HELP SHAPE THE FUTURE OF RESPIRATORY SCIENCE AND MEDICINE

EUROPEAN RESPIRATORY SOCIETY
INTERNATIONAL CONGRESS 2016
LONDON united kingdom, 3–7 september

CONGRESS GUIDE
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GET the most FROM YOUR membership

For more information, visit ERSNET.ORG
It is a true pleasure to be hosting the 26th International Congress of the European Respiratory Society in London.

The ERS International Congress has grown to be the largest meeting in the world in the respiratory field and this year’s event will not disappoint. The Chairs of the Scientific and Educational Councils, together with all ERS Officers, are busy preparing a programme that will challenge our thinking minds, encourage debate and offer new insights across the spectrum of respiratory health and disease. The ERS International Congress has grown to be the largest meeting in the world in the respiratory field and this year’s true pleasure to be hosting the 26th International Congress of the European Respiratory Society in London.

We extend a special welcome to our existing and new members as we have seen our numbers rise this year with more partnerships developed with national and international societies. The Congress is the pinnacle of the year for our growing respiratory community, and others who attend our Congress, and represents a key opportunity to share knowledge across borders and professional disciplines as we work towards a common goal of improving respiratory health.

This year will see the most interactive Congress experience available. Alongside our official Congress app, we will partner with SpotMe, a highly effective networking app available for free for all delegates. The app will allow you to navigate the programme, network, access session materials, use the interactive floor plan and exhibition map, interact with faculty, access CME points, collect Congress materials, watch missed sessions and much more. More information on this will be shared on the website and in our newsletter.

Also, the venue is spectacular. It offers lots of space, also for sitting down with colleagues and collaborators for networking – one of the main attractions for coming to an ERS International Congress.

I look forward to welcoming you to London for the most exciting event in the respiratory calendar.
Welcome to London 2016!

The European Respiratory Society will come to London for the first time in 2016 to host the world's largest and most influential meeting for respiratory physicians, scientists and allied health professionals. London is a fitting choice for the 26th ERS International Congress.

Hosted in our home city of London, the Congress will be located in one of the best connected cities in Europe, boasting a proud history of scientific innovation and medical discoveries. Many of the world's most famous innovative thinkers have lived and worked in London including Sir Tim Berners-Lee, the inventor of the world-wide-web, Sir Alexander Fleming who discovered penicillin and many famous chest physicians.

The Congress scientific programme will present the best in science and educational sessions from distinguished researchers from across the globe. Covering key topics in respiratory medicine from across the spectrum of disease areas including TB, lung cancer, pneumonia, cystic fibrosis, COPD, and asthma, the Congress is the best place to build skills and knowledge through hearing the latest topics in the field. The Congress venue, ExCeL London, is located on the banks of the River Thames in the bustling East London, the location of the 2012 Olympic Games.

It is the perfect site to explore many of London's famous landmarks when there is space in between busy congress schedules. Travel around London is very easy with the extensive underground system, Docklands Light Railway and buses. We look forward to welcoming you to the ERS International Congress where we will continue our mission to promote lung health and drive standards in respiratory medicine.
Abstracts on USB keys
Supported by AstraZeneca

With the support of AstraZeneca, ERS is offering delegates an electronic copy of the ERS Congress Abstracts on USB keys, which they can collect free of charge from the AstraZeneca exhibition stand D.04 (located in the Exhibition Hall) in exchange for a voucher in the Programme-at-a-Glance. The USB keys will be distributed on a first come, first served basis.

App
Supported by:

The new app for the ERS International Congress is now available for download. New features this year include a digital business card exchange, an interactive map, and opportunities to engage in interactive sessions or to watch missed sessions. Download in advance to help you prepare your congress.

Business Services
A Business Services shop is available for printing services and foreign currency exchange on S4/N4 - underground level (Level 0). The opening times are from 08:30 to 17:30. The services are at the delegates’ own expense.

Cash dispensers
Many cash dispensers are located inside the Congress venue London ExCeL.

Childcare
A childcare facility is available onsite at Congress so that children can be looked after whilst parents attend sessions. Please note that children can be left for a maximum of four hours at any time and food will not be available. If parents wish to attend a full day of sessions, they are required to collect their children for at least a one hour lunch break before returning for an additional four hours. Drop off and collection times are flexible, providing they do not exceed the four hour maximum and are within the opening times.

To utilise the childcare facility, please purchase vouchers at the Registration Desk. Once the voucher is purchased it can be handed to the staff at the time of drop off.
- Four hours - £30
- Eight hours (split by a one hour break) - £50
The childcare facility is located in the Capital Hall, close to the East Entrance and open from 07:30 to 17:30 from Saturday 3 September to Tuesday 6 September and from 07:30 to 12:00 on Wednesday 7 September. See further conditions on site.

Children and members of the public
Children and members of the public are not permitted to participate in the Congress programme or to enter the exhibition. A childcare service is available for parents use and children will only be allowed access to the registration area and the childcare service area.

Cloakroom
A cloakroom service for coats and reasonably sized luggage is available during the opening hours of the Congress on S4/N4 underground level (Level 0) - approximately 450 m away from the registration area towards the West Entrance.

Congress resources
Supported by CSL Behring

This year the you can find the Congress guide, publication abstracts and all E-Posters within the Congress Resource Areas, which will be available in eight areas throughout the Congress centre.

Dates and opening hours

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* No afternoon sessions / ** Postgraduate Courses only. All timings are subject to change.
Data scanning system
Congress badges will contain a barcode (acting as an electronic business card) to enable visitors to leave their contact details for exhibitors quickly and easily.

Dress code
Dress will be informal throughout the Congress. ERS reserves the right to refuse access when deemed necessary for the comfort and safety of all delegates.

ERS Central
Supported by the Menarini group

ERS Central is a serviced lounge and meeting area that will be located in the centre of the ERS World Village. This area includes seating and will provide delegates with the opportunity to network, meet up, or simply recuperate with refreshments. The area will also house an information desk where delegates will be able to charge their electronic devices.

Exhibition access
Access to the exhibition will be limited to participants over the age of 16 years who are respiratory professionals.

Hotel Desk
A Hotel Desk will be available in the ERS Registration Area during Congress opening hours from 3 to 7 September, 2016.

Insurance and disclaimer
ERS accepts no liability for injuries and/or losses of whatever nature incurred by participants, nor for loss or damage to their luggage and/or personal belongings. Please check the validity of your own insurance.

Language
The official language of the Congress is English. No translation will be provided outside of the designated language day sessions which are noted in the programme. Information regarding special programmes will be given at a later date.

Lost and Found
During the Congress dates, all lost and found items will be taken to the Cloakroom. Once the Congress is over, please contact the ExCeL security team on +44 207 069 4445 for any lost and found queries.

Lunch and refreshments
No official meals will be provided. Meal facilities at the Congress centre include cafeterias and restaurants. A number of bars and coffee/snack points serve sandwiches and snacks.

Mobile phone policy
Please respect your fellow colleagues and friends by switching off your mobile phone in all meeting and poster rooms.

Members’ Lounge
The new ERS Members’ Lounge has been provided to thank our members for their continued support of the society. It offers a quiet area to allow you to briefly escape the hustle and bustle of the Congress, catch up on commitments outside the Congress, conduct meetings and telephone calls that require a quieter environment, or to simply consider your path through the Congress programme. Power points, WiFi, and internet drops are available.
This service is provided exclusively for ERS members. If you are not currently a member of ERS, pass by the World Village and visit your national respiratory society’s booth to take advantage of their ERS institutional membership agreement or meet us at the ERS booth to sign up directly.

Parking
Delegate car parking is available and is £15.00 (flat rate) for 24hrs on a pay and display system.

Patient involvement
Patients are welcome at the Congress as professional representatives of patient organisations or to participate in sessions for which they have been invited to contribute. Due to international law and industry self-regulation patients are not permitted to enter the exhibition.

Security
Please pay special attention to your personal belongings, especially when walking around the city centre and on the public transportation system.
Any security problems or concerns within the Congress centre should be reported to a uniformed member of staff. The London ExCeL security staff will handle any emergency situation and everyone is asked to follow the instructions announced on the loudspeaker. Emergency exits are marked with exit signs.

Smoking
London ExCeL is a smoke free venue, the smoking ban applies to all buildings, including the catering locations and loading areas. As smoking is a major cause of lung disease, ERS further asks Congress participants and exhibitors not to smoke in the ExCeL or any area within 100 meters of the building.

Special accessibility needs
It is possible to acquire a wheelchair on site. Kindly contact the West or East Information Desk ExCeL staff and they will be able to help you. Wheelchairs are free of charge, but a fully refundable deposit is taken.
**Taxis**
Taxis will be available outside the entrance of ExCeL during Congress days and opening times. When in London, please note that you can ask any restaurant or hotel to call a taxi for you.
Please visit the travel section of the website for further information on travel from and to the London airports.

**Tourist information**
The London City Desk, located in the ERS main entrance area, will be available to provide further information about the city and your visit. For additional tourist information, please visit www.visitlondon.com
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WORLD VILLAGE MAP

ERS CENTRAL

ERS BOOKSHOP

EU PROJECTS

CHEST APSR PATS ATS

WORLD VILLAGE THEATRE

ERS LONDON 2016
## ERS WORLD VILLAGE SOCIETIES LIST

### National / Affiliated Societies

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<thead>
<tr>
<th>Pod Nb</th>
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<th>Country</th>
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### Regional/International Societies

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CSL Behring
Biotherapies for Life™
**Aims**

The aim of this session is to discuss key issues in respiratory medicine, providing the opportunity to hear about the latest scientific developments.

Note that the presentations will be conducted in Spanish, Portuguese and English with dual projection of slides in all three languages.

**08:30–10:30**

**Spanish and Portuguese Session I**

Chairs: Renato Maciel (Brazil), Inmaculada Alfageme Michavila (Spain)

08:30  Introduction by the Presidents
       Alfageme Michavila Inmaculada (Spain),
       Maciel Renato (Brazil)
08:40  Pulmonary amyloidosis: case review
       Irion Klaus Loureiro (United Kingdom)
09:10  Obstructive sleep apnoea and arterial hypertension
       Barbe Illa Fernando Eduardo (Spain)
09:40  Introduction to Keynote Lecture
       Migliori Giovanni Battista (Italy)
09:45  Accelerated ageing in COPD and its comorbidities: novel therapies for the future
       Barnes Peter J. (United Kingdom)

**10:45–12:45**

**Spanish and Portuguese Session II**

Chairs: Andrés Palomar Lever (Mexico), Venceslau José Coelho Pinto Hespanhol (Portugal)

10:45  Introduction by the Presidents
       Palomar Lever Andrés (Mexico),
       Coelho Pinto Hespanhol Venceslau José (Portugal)
10:55  Lung cancer, noninvasive molecular treatment and monitoring
       Machado José Carlos (Portugal)
11:15  Pulmonary arterial hypertension case
       Cáneva Jorge Osvaldo (Argentina)
11:35  RELAP (Latin-American Registry of Pulmonary Hypertension): methods
       Gomez Gonzalez Arturo (Mexico)
11:50  RELAP (Latin-American Registry of Pulmonary Hypertension): results
       Pulido Zamudio Tomás (Mexico)
12:05  Introduction to Gustavo Zabert
       Soriano Joan B. (Spain)
12:15  Marijuana health outcomes and legislation in Latin America
       Zabert Gustavo (Argentina)

**Target Audience**

ERS International Congress participants from Spanish and Portuguese speaking countries. All others welcome.
ERS-SPLF Joint Session
Saturday 3 September, 2016
Room A  13:00–17:30
GAIN NEW SCIENTIFIC KNOWLEDGE IN your own language
FROM DEDICATED SESSIONS IN FRENCH.

Note that the presentations will be conducted in French with dual projection of slides in French and English.

**Target audience**
Clinicians

**Aims**
The aim of this session is to provide an updated overview of new therapeutics in various fields of respiratory medicine. Future drugs and strategies that might develop within the next 5 years will also be presented and discussed by internationally recognised experts.

**13:00–15:00 ERS/French Programme I**

Innovative treatments and new concepts in respiratory medicine: the future looks bright indeed!

Chairs: Elisabeth H.D. Bel (Netherlands), Philippe Delaval (France)

13:00 Lung reduction coil treatment in severe emphysema
Deslee Gaëtan (France)

13:30 Personalised medicine and COPD: where are we now?
Roche Nicolas (France)

14:00 In search of asthma fingerprints
Chung Kian Fan (United Kingdom)

14:30 Obesity hypoventilation: from pathophysiology to treatment
Janssens Jean-Paul (Switzerland)

**Aims**
This session will focus on new diagnostic tools and therapeutic approaches that will help pulmonologists to treat or prevent respiratory disorders. It will also cover therapeutic aspects in pulmonary hypertension and intensive care medicine.

**15:30–17:30 ERS/French Programme II**

Guidelines, new diagnostic and therapeutic tools to help pulmonologists: all the reasons why we cannot ignore them anymore

Chairs: François Chabot (France), Guy F Joos (Belgium)

15:30 ERS/ESC European guidelines for the diagnosis and treatment of pulmonary hypertension
Humbert Marc (France)

16:00 Lung transfer of Nitric Oxide (DLNO): from practical guidelines to clinical applications
Dinh-Xuan Anh Tuan (France)

16:30 Idiopathic pulmonary fibrosis: from early detection to treatment
Cottin Vincent (France)

17:00 New perspectives in the treatment of MDR-TB
Migliori Giovanni Battista (Italy)
ERS-RRS Joint Session

Saturday 3 September, 2016
Room L  13:15–17:30

GAIN NEW SCIENTIFIC KNOWLEDGE IN your own language FROM DEDICATED SESSIONS IN RUSSIAN.

Aims
The objective of this programme is to discuss epidemiology, pathology, diagnosis and management of idiopathic pulmonary fibrosis.
Note that the presentations will be conducted in Russian with dual projection of slides in Russian and English.

Idiopathic pulmonary fibrosis
Chairs: Alexander G. Chuchalin (Russian Federation), Katerina Antoniou (Greece)
13:15  Idiopathic pulmonary fibrosis: classification, epidemiology, course and prognosis
Antoniou Katerina (Greece)
13:45  Pathology of idiopathic interstitial pneumonias
Kogan Evgenia (Russian Federation)
14:15  Approach to diagnosis of idiopathic pulmonary fibrosis
Costabel Ulrich (Germany)
14:45  Imaging of idiopathic pulmonary fibrosis
Tyurin Igor (Russian Federation)
15:15  Break

Target Audience
Pulmonologists, GPs, thoracic surgeons, morphologists, imaging-specialists.

15:30  Medication therapy of idiopathic pulmonary fibrosis
Richeldi Luca (United Kingdom)
16:00  Lung transplantation in idiopathic pulmonary fibrosis
Chuchalin Alexander G. (Russian Federation), Tarabrin Evgeny (Russian Federation)
16:30  Exacerbation of idiopathic pulmonary fibrosis
Avdeev Sergey (Russian Federation)
17:00  Registry of idiopathic pulmonary fibrosis patients
Vašíková Martina (Czech Republic)
ERS-CTS Joint Session
Saturday 3 September, 2016
Room L 09:00–12:45
GAIN NEW SCIENTIFIC KNOWLEDGE IN your own language FROM DEDICATED SESSIONS IN CHINESE.

Aims
The session will discuss the new advances in respiratory medicine presented by ERS leaders and experienced speakers from China. The session will offer participants an overview of pulmonary vascular medicine, sleep disorders, interventional respiratory medicine, COPD and tuberculosis, and will facilitate discussion about the similarities and differences in both languages.

Note that the presentations will be conducted in Chinese and English with dual projection of slides in English and Chinese.

09:00–10:45 China Session I
New perspectives in respiratory medicine
Chairs: Guy F. Joos (Belgium), NanShan Zhong (China)
09:00 The diagnose and intervention of early-stage COPD
NanShan Zhong (China)
09:25 Asthma control: how can it be improved
Guy F. Joos (Belgium)
09:50 The research progress on pulmonary vascular diseases in China
Zhenguo Zhai (China)
10:15 2016 China Guideline of Asthma Diagnosis and Management
Huahao Shen (China)
10:40 Break

Target Audience
Clinicians and public health practitioners working in different fields of respiratory medicine, and policy makers responsible for implementing policies in respiratory medicine.

11:05–12:45 China Session II
New perspectives in respiratory medicine
Chairs: Jørgen Vestbo (United Kingdom), Chen Wang (China)
11:05 The prevalence of COPD in China: data from the latest national survey
Chen Wang (China)
11:30 Prevention and management of COPD exacerbations
Jørgen Vestbo (United Kingdom)
11:55 Establish the standardised diagnose and treatment system of sleeping apnoea in China
Fang Han (China)
12:20 New perspectives in MDR-TB management
Giovanni Battista Migliori (Italy)
**PROGRAMME**
- Pathological and mechanistic disease similarities
- Shared pathways of repair
- Intersecting immunity and inflammation
- Stromal similarities and synergies
- Dovetailing drugs and targets

**LSC ORGANISING COMMITTEE**
- Rachel Chambers - ERS Conferences and Seminars Director
- Adam Giangreco - LSC 2017 Programme Coordinator
- Reinoud Gosens - LSC 2017 Programme Coordinator
- Erik Sahai - LSC 2017 Programme Coordinator

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## OUTLINE PROGRAMME

**SATURDAY 03 SEPTEMBER, 2016**

### ROOM

<table>
<thead>
<tr>
<th>ROOM</th>
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<th>SESSION</th>
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<td>16 Skills workshop SW1 Inhaler techniques:</td>
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<td>33 Skills workshop SW2 Inhaler techniques:</td>
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<td>62 Skills workshop SW3 Inhaler techniques:</td>
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<tr>
<td>Room ICC Capital Suite 14</td>
<td>09:30-17:30</td>
<td>31 Professional development workshop PD1 Spirometry: Train the trainer: ERS spirometry training programme</td>
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<tr>
<td>Room G</td>
<td>09:30-17:30</td>
<td>24 Postgraduate Course PG1 Asthma and chronic obstructive pulmonary disease: An update in assessment and treatment</td>
<td>€ 220</td>
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<td>Room C</td>
<td>09:30-17:30</td>
<td>23 Postgraduate Course PG2 Advanced thoracic ultrasound: Enhance your sonography practice beyond identification of pleural fluid</td>
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<td>Platinum Room 1+2</td>
<td>09:30-13:00</td>
<td>21 Postgraduate Course PG3 Advanced respiratory and cardiovascular exercise testing: In health and respiratory disease</td>
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<td>Platinum Room 3+4</td>
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<td>22 Postgraduate Course PG4 How to improve the success of noninvasive ventilation</td>
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<td>27 Postgraduate Course PG6 Lung fibrosis and sarcoidosis: Different diagnostic approaches and treatment modalities</td>
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<td>Room ICC Capital Suite 10</td>
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<td>28 Postgraduate Course PG10 Tuberculosis management: a personalised clinical approach</td>
<td>€ 140</td>
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<tr>
<td>Room ICC Capital Suite 8</td>
<td>14:00-17:30</td>
<td>53 Postgraduate Course PG11 Assessing respiratory system resistance in children and adults: A focus on young children and older adults</td>
<td>€ 140</td>
<td>Basic science</td>
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<tr>
<td>Room ICC Capital Suite 11</td>
<td>14:00-17:30</td>
<td>51 Postgraduate Course PG12 Breathlessness over the life course</td>
<td>€ 140</td>
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<td>Room M</td>
<td>14:00-17:30</td>
<td>49 Postgraduate Course PG13 Inhaled antibiotics in respiratory infections</td>
<td>€ 140</td>
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<td>Platinum Room 1+2</td>
<td>14:00-17:30</td>
<td>47 Postgraduate Course PG14 Interventional pulmonology</td>
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<tr>
<td>Platinum Room 3+4</td>
<td>14:00-17:30</td>
<td>48 Postgraduate Course PG15 Muscle weakness and wasting in chronic obstructive pulmonary disease: Assessment and treatment</td>
<td>€ 140</td>
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<td>Room ICC Capital Suite 9</td>
<td>14:00-17:30</td>
<td>55 Postgraduate Course PG16 Infection control in epidemics: strengthening the evidence base for healthcare workers and the public: Joint PREPARE/ECDC course</td>
<td>€ 40</td>
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<td>Room J</td>
<td>14:00-17:30</td>
<td>50 Postgraduate Course PG17 Pulmonary haemodynamics during exercise</td>
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<td>Room ICC Capital Suite 12</td>
<td>14:00-17:30</td>
<td>52 Postgraduate Course PG18 Sleep apnoea and comorbidities</td>
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<td>Room ICC Capital Suite 10</td>
<td>14:00-17:30</td>
<td>54 Postgraduate Course PG19 The lung in the septic critically-ill patient</td>
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<td>Room H</td>
<td>14:00-17:30</td>
<td>56 Postgraduate Course PG20 Thymic tumours</td>
<td>€ 140</td>
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<tr>
<td>Room L</td>
<td>09:00-11:05</td>
<td>19 Session China Session I: New perspectives in respiratory medicine</td>
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<td>Room L</td>
<td>11:05-12:45</td>
<td>37 Session China Session II: New perspectives in respiratory medicine</td>
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<td>Room</td>
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<tr>
<td>Room P</td>
<td>09:00</td>
<td>20 Session</td>
<td>Primary Care Day: challenging times I: Clinical challenges in day-to-day primary care</td>
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<td>Room P</td>
<td>11:00</td>
<td>34 Session</td>
<td>Primary Care Day: challenging times II: Taking up the challenge</td>
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<td>Room P</td>
<td>13:30</td>
<td>44 Session</td>
<td>Primary Care Day: challenging times III: Meeting tomorrow's challenge</td>
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<td>Room P</td>
<td>15:00</td>
<td>64 Session</td>
<td>Primary Care Day: challenging times IV: Grand Round</td>
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<tr>
<td>Room A</td>
<td>13:00</td>
<td>41 Session</td>
<td>ERS/French Programme I: Innovative treatments and new concepts in respiratory medicine: the future looks bright indeed!</td>
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<tr>
<td>Room A</td>
<td>15:30</td>
<td>67 Session</td>
<td>ERS/French Programme II: Guidelines, new diagnostic and therapeutic tools to help pulmonologists: all the reasons why we cannot ignore them anymore</td>
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<td>Room L</td>
<td>13:15</td>
<td>43 Session</td>
<td>Russia Session: Idiopathic pulmonary fibrosis</td>
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<tr>
<td>Prince Regent Room</td>
<td>14:00</td>
<td>46 HERMES examination</td>
<td>HERMES Examination</td>
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<tr>
<td>Room ICC Capital Suite 6</td>
<td>17:00</td>
<td>69 Group members’ meeting</td>
<td>7.1 Paediatric respiratory physiology</td>
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<td>ROOM</td>
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<td>CATEGORY</td>
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</table>
| Room ICC Capital Suite 7 | 07:00 - 08:15 | 90 Challenging clinical cases  
CC1 Breathless cases | € 100 | Clinical |
| Room C | 07:00 - 08:15 | 83 Challenging clinical cases  
CC2 Children’s interstitial lung disease: Working through clinical conundrums with the CHILD-EU team | € 100 | Clinical |
| Room J | 07:30 - 08:20 | 98 Group members’ meeting  
6.2 Occupational and environmental health | | |
| Room ICC Capital Suite 11 | 07:30 - 08:20 | 99 Group members’ meeting  
3.1 Molecular pathology and functional genomics | | |
| Room ICC Capital Suite 8 | 07:30 - 08:20 | 100 Group members’ meeting  
1.1 Clinical Problems | | |
| Room ICC Capital Suite 10 | 07:30 - 08:20 | 101 Group members’ meeting  
1.5 Diffuse parenchymal lung disease | | |
| Room ICC Capital Suite 9 | 07:30 - 08:20 | 102 Group members’ meeting  
1.3 Imaging | | |
| Room H | 07:30 - 08:20 | 103 Group members’ meeting  
6.3 Tobacco, smoking control and health education | | |
| Room ICC Capital Suite 13 | 07:30 - 08:20 | 104 Group members’ meeting  
5.2 Monitoring airway disease | | |
| Room ICC Capital Suite 15 | 07:30 - 08:20 | 105 Group members’ meeting  
5.3 Allergy and immunology | | |
| Room ICC Capital Suite 17 | 08:00 - 10:20 | 107 Skills workshop  
SW4 Difficult airway management in an intensive care unit: Difficult intubation | € 100 | Clinical |
| Room ICC Capital Suite 4 | 08:00 - 10:20 | 108 Skills workshop  
SW5 Thoracic ultrasound | € 100 | Clinical |
| Room ICC Capital Suite 17 | 10:40 - 13:00 | 137 Skills workshop  
SW6 Difficult airway management in an intensive care unit: Difficult intubation | € 100 | Clinical |
| Room ICC Capital Suite 4 | 10:40 - 13:00 | 138 Skills workshop  
SW7 Thoracic ultrasound | € 100 | Clinical |
| ICC Auditorium | 08:30 - 10:30 | 109 Year in review  
Scientific Year in Review 2016: preceded by Ceremony for the ERS Romain Pauwels Research Award | | Translational |
| Room E | 08:30 - 10:30 | 110 Symposium  
COPD case-finding: how can we find the missing millions? | | Clinical |
| Prince Regent Room | 08:30 - 10:30 | 111 Symposium  
Lung involvement in systemic disorders: an update to this neglected field | | Clinical |
| Room L | 08:30 - 10:30 | 112 Session  
ERS-ALAT-SBPT-SEPAR-SPP joint session: Spanish and Portuguese Session I | | |
| Room A | 08:30 - 10:30 | 113 Symposium  
Nerves in airway disease: genotype, phenotype and endotype | | Translational |
| Room B | 08:30 - 10:30 | 114 Symposium  
Immunotherapy: the lethal weapon against thoracic malignancies? | | Clinical |
| Platinum Room 1+2 | 08:30 - 10:30 | 115 Session  
ERS publications: a focus on recent guidelines and task forces | | |
| Platinum Room 3+4 | 08:30 - 10:30 | 116 Oral Presentation  
Origins of infant pulmonary disease: early pointers for identifying infants at risk and ways to improve their care | | |
| Room C | 08:30 - 10:30 | 117 Oral Presentation  
Best abstracts in asthma and COPD | | |
| Room G | 08:30 - 10:30 | 118 Oral Presentation  
Clinic of pulmonary hypertension | | |
| Room D | 08:30 | 10:30 | 119 Oral Presentation  
Best abstracts in pulmonary rehabilitation and chronic care |
| Room M | 08:30 | 10:30 | 120 Oral Presentation  
Clinical update on bronchiectasis |
| Room P | 08:30 | 10:30 | 121 Oral Presentation  
The best is yet to come in terms of lung function |
| Room K | 08:30 | 10:30 | 122 Oral Presentation  
Respiratory nursing research: opening new perspectives on patient experiences |
| Room ICC Capital Suite 11 | 08:30 | 10:30 | 123 Poster Discussion  
Pharmacological management of COPD |
| Room ICC Capital Suite 12 | 08:30 | 10:30 | 124 Poster Discussion  
Paediatric asthma: lessons learned from studies with large sample sizes and multi-centre drug studies |
| Room ICC Capital Suite 7 | 08:30 | 10:30 | 125 Poster Discussion  
Epidemiological aspects of obstructive sleep apnoea |
| Room ICC Capital Suite 8 | 08:30 | 10:30 | 126 Poster Discussion  
Infections, sepsis, and pulmonary embolism |
| Room ICC Capital Suite 10 | 08:30 | 10:30 | 127 Poster Discussion  
Advanced lung function testing in childhood respiratory and sleep disease |
| Room ICC Capital Suite 9 | 08:30 | 10:30 | 128 Poster Discussion  
Human responses to exposure, including physiological and biomarker outcomes |
| Room ICC Capital Suite 14 | 09:00 | 16:00 | 130 Professional development workshop  
PD2 EBUS train the trainer: Part 3 Supervised training and portfolio |
| ICC Auditorium | 10:45 | 12:45 | 139 Grand round  
GR1 Paediatric Grand Round: an interactive session |
| Room E | 10:45 | 12:45 | 140 Symposium  
ERS and tuberculosis: 2016 highlights (followed by WHO/ERS Document ceremony) |
| Prince Regent Room | 10:45 | 12:45 | 141 Symposium  
New statement on pulmonary rehabilitation |
| Room L | 10:45 | 12:45 | 142 Session  
ERS-ALAT-SBPT-SEPAR-SPP joint session: Spanish and Portuguese Session II |
| Room A | 10:45 | 12:45 | 143 Session  
State-of-the-art research techniques in Royal Brompton Hospital and Imperial College London I |
| Room B | 10:45 | 12:45 | 144 Symposium  
Telemonitoring of ventilator-dependent patients: Looking into the future |
| Platinum Room 1+2 | 10:45 | 12:45 | 145 Symposium  
New insights into the genetics of asthma |
| Platinum Room 3+4 | 10:45 | 12:45 | 146 Oral Presentation  
Population-based insights into occupational and environmental lung disease |
| Room C | 10:45 | 12:45 | 147 Oral Presentation  
New therapies and therapeutic targets |
| Room G | 10:45 | 12:45 | 148 Oral Presentation  
Endoscopic lung volume reduction I |
| Room D | 10:45 | 12:45 | 149 Oral Presentation  
IPF pathogenesis |
| Room M | 10:45 | 12:45 | 150 Oral Presentation  
Inflammatory biomarkers in airway diseases |
| Room P | 10:45 | 12:45 | 151 Oral Presentation  
Mesothelioma and pleural disease: from the bench to the bedside |
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
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<tbody>
<tr>
<td>10:45</td>
<td>Room K</td>
<td>152 Oral Presentation</td>
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<tr>
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<td>Repair pathways: from lung development to ageing of the lung</td>
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<td>Lung cancer and immune cells: friends or foes?</td>
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<td>10:45</td>
<td>Room ICC Capital Suite 12</td>
<td>154 Poster Discussion</td>
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<td>Effects of exercise training interventions in chronic respiratory disease</td>
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<td>10:45</td>
<td>Room ICC Capital Suite 7</td>
<td>155 Poster Discussion</td>
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<td>In-patient and out-patient COPD management</td>
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<td>10:45</td>
<td>Room ICC Capital Suite 8</td>
<td>156 Poster Discussion</td>
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<td>Asthma: mechanisms and biomarkers that promote clinical understanding</td>
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<tr>
<td>10:45</td>
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<td>157 Poster Discussion</td>
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<td>Special issues in thoracic surgery</td>
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<tr>
<td>10:45</td>
<td>Room ICC Capital Suite 9</td>
<td>158 Poster Discussion</td>
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<td>Community-acquired pneumonia: from prevention to treatment</td>
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**THEMATIC POSTER SESSIONS**

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<thead>
<tr>
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<tbody>
<tr>
<td>12:50</td>
<td>T-01</td>
<td>Clinical characteristics of asthma</td>
</tr>
<tr>
<td>12:50</td>
<td>T-02</td>
<td>Features and impact of comorbidities in COPD</td>
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<td>12:50</td>
<td>T-03</td>
<td>From pleura to bronchi: new insights</td>
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<tr>
<td>12:50</td>
<td>T-04</td>
<td>Latest insights into pulmonary rehabilitation</td>
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<tr>
<td>12:50</td>
<td>T-05</td>
<td>Latest insights into functional capacity and muscle weakness in chronic lung diseases</td>
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<tr>
<td>12:50</td>
<td>T-06</td>
<td>Best abstracts in COPD management</td>
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<tr>
<td>12:50</td>
<td>T-07</td>
<td>Imaging of COPD and Airways: structural and functional assessments</td>
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<td>12:50</td>
<td>T-08</td>
<td>Bronchoscopy: from diagnostic to treating air leaks</td>
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<td>12:50</td>
<td>T-09</td>
<td>IPF: from pathogenesis to treatment I</td>
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<td>12:50</td>
<td>T-10</td>
<td>Clinical aspects of ILD</td>
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<td>12:50</td>
<td>T-11</td>
<td>Sarcoïdosis</td>
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<td>12:50</td>
<td>T-12</td>
<td>Asthma management in primary care</td>
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<td>12:50</td>
<td>T-13</td>
<td>Managing multimorbidity and lifestyle change in primary care</td>
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<td>12:50</td>
<td>T-14</td>
<td>Molecular targets in pulmonary disease</td>
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<td>12:50</td>
<td>T-15</td>
<td>What’s new in biomarker analysis?</td>
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<td>12:50</td>
<td>T-16</td>
<td>Translational studies in lung disease</td>
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<td>12:50</td>
<td>T-17</td>
<td>Novel insights into alveolar and bronchial epithelial cell injury and repair</td>
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<td>12:50</td>
<td>T-18</td>
<td>Pulmonary drug delivery</td>
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<td>12:50</td>
<td>T-19</td>
<td>Pharmacological treatment of COPD: focus on LABA/LAMA combinations</td>
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<td>12:50</td>
<td>T-20</td>
<td>Systemic biomarkers</td>
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<td>T-21</td>
<td>Non-inflammatory assessment of airway disorders</td>
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<td>T-22</td>
<td>Monitoring airway diseases with clinical tools</td>
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<td>T-23</td>
<td>Airway biomarkers</td>
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<td>T-24</td>
<td>Laboratory tests and cell biology in allergy and immunology</td>
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<td>12:50</td>
<td>T-25</td>
<td>Pharmacological intervention in humans and murine models of asthma</td>
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<td>T-26</td>
<td>Comorbidities and exacerbations in COPD</td>
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<td>12:50</td>
<td>T-27</td>
<td>Asthma, COPD, and ACOS: physical activity, dietary aspects, and diseases burden</td>
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<td>12:50</td>
<td>T-28</td>
<td>Occupational epidemiology</td>
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<td>T-29</td>
<td>Public health related concerns and epidemiology of smoking and smoking-related products</td>
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<td>12:50</td>
<td>T-30</td>
<td>Role of genetics and exposures in COPD and asthma</td>
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<td>12:50</td>
<td>T-31</td>
<td>What’s new in paediatric respiratory physiology?</td>
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<td>12:50</td>
<td>T-32</td>
<td>Drugs, bugs, BMI, and other problems in paediatric asthma</td>
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<tr>
<td>12:50</td>
<td>T-33</td>
<td>Cystic fibrosis: various aspects</td>
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<td>12:50</td>
<td>T-34</td>
<td>Paediatric respiratory infections</td>
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<td>12:50</td>
<td>T-35</td>
<td>Neonatal and paediatric multiorgan manifestations of acute and chronic pulmonary disease and use of treatments</td>
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<td>T-36</td>
<td>Asthma, bronchiectasis, and the risk factors for respiratory morbidity</td>
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<td>12:50</td>
<td>T-37</td>
<td>Quality and quantity in lung function</td>
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<td>12:50</td>
<td>T-38</td>
<td>Postural balance, respiratory muscles, and comorbidities in chronic respiratory disease</td>
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<tr>
<td>12:50</td>
<td>T-39</td>
<td>Physiotherapy management of the ill but spontaneously-breathing adult patient</td>
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<tr>
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<tr>
<td>Prince Regent Room</td>
<td>13:00-14:30</td>
<td>206 Lunchtime session Climate change and respiratory health: New perspectives</td>
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<tr>
<td>Room L</td>
<td>13:00-14:30</td>
<td>207 Lunchtime session AJRCCM Blue Journal in 2016: a joint ERS lunchtime session</td>
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<tr>
<td>Room A</td>
<td>13:00-14:30</td>
<td>208 Lunchtime session Vitamin D and asthma prevention, COPD screening, and bronchoscopic lung volume reduction in emphysema: A joint ERS-JAMA lunchtime session</td>
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<tr>
<td>Room B</td>
<td>13:00-14:30</td>
<td>209 Championship 2016 Respiratory Championship: Become a champion in respiratory medicine</td>
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<tr>
<td>Room E</td>
<td>13:00-14:15</td>
<td>205 Assembly members’ meeting Assembly 10 Respiratory Infections: Incl. Groups 10.1 Respiratory infections and 10.2 Tuberculosis</td>
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<tr>
<td>Platinum Room 1+2</td>
<td>13:00-14:15</td>
<td>210 Assembly members’ meeting Assembly 4 Clinical physiology, sleep and pulmonary circulation: Incl. Groups 4.1 Clinical respiratory physiology, exercise and functional imaging, 4.2 Sleep and control of breathing and 4.3 Pulmonary circulation and pulmonary vascular disease</td>
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<tr>
<td>Room K</td>
<td>13:00-14:15</td>
<td>211 Assembly members’ meeting Assembly 11 Thoracic oncology: Incl. Groups 11.1 Lung cancer and 11.2 Pleural and mediastinal malignancies</td>
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<tr>
<td>Room ICC Capital Suite 12</td>
<td>13:00-14:15</td>
<td>212 Assembly members’ meeting Assembly 8 Thoracic surgery and transplantation: Incl. Groups 8.1 Thoracic surgery and 8.2 Transplantation</td>
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<tr>
<td>Room ICC Capital Suite 7</td>
<td>13:00-14:15</td>
<td>213 Assembly members’ meeting Assembly 2 Respiratory intensive care: Incl. Groups 2.1 Acute critical care and 2.2 Non-invasive ventilatory support</td>
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<tr>
<td>Room ICC Capital Suite 6</td>
<td>13:00-14:00</td>
<td>217 Meet the expert ME1 Biomarkers for interstitial lung disease</td>
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<tr>
<td>Room ICC Capital Suite 13</td>
<td>13:00-14:00</td>
<td>216 Meet the expert ME2 New treatment approaches for idiopathic pulmonary fibrosis</td>
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<tr>
<td>Room ICC Capital Suite 15</td>
<td>13:00-14:00</td>
<td>218 Meet the expert ME3 Fiberoptic bronchoscopy in children</td>
</tr>
<tr>
<td>Room ICC Capital Suite 10</td>
<td>13:00-14:00</td>
<td>215 Meet the expert ME4 Pulmonary arteriovenous malformations: Including hereditary haemorrhagic telangiectasia</td>
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<tr>
<td>Room ICC Capital Suite 17</td>
<td>14:30-16:50</td>
<td>231 Skills workshop SW8 Difficult airway management in an intensive care unit: Difficult intubation</td>
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<tr>
<td>Room ICC Capital Suite 4</td>
<td>14:30-16:50</td>
<td>232 Skills workshop SW9 Thoracic ultrasound</td>
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<tr>
<td>ICC Auditorium</td>
<td>14:45-16:45</td>
<td>234 Grand round GR2 Radiology: an interactive session</td>
</tr>
<tr>
<td>Room E</td>
<td>14:45-16:45</td>
<td>235 Hot topics Is sleep apnoea causing cancer? the evidence, limitations, and clinical perspectives</td>
</tr>
<tr>
<td>Prince Regent Room</td>
<td>14:45-16:45</td>
<td>236 Hot topics Traffic air pollution in urban areas: a continued cause for concern</td>
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<tr>
<td>Room L</td>
<td>14:45-16:45</td>
<td>237 Symposium Childhood asthma causation: Is it the air they breathe or the food they eat?</td>
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<tr>
<td>Room A</td>
<td>14:45-16:45</td>
<td>238 Symposium New tools for the early diagnosis of acute respiratory distress syndrome</td>
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<tr>
<td>Room B</td>
<td>14:45-16:45</td>
<td>239 Symposium Implementation of collaborative lung function testing</td>
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<tr>
<td>Platinum Room 1+2</td>
<td>14:45-16:45</td>
<td>240 Symposium Complications and comorbidities in idiopathic pulmonary fibrosis</td>
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OUTLINE PROGRAMME
SUNDAY 04 SEPTEMBER, 2016

Platinum Room 3+4
14:45 16:45 241 Oral Presentation
Molecular pathways of smoking-induced diseases

Room C
14:45 16:45 242 Oral Presentation
Cystic fibrosis: monitoring and management

Room G
14:45 16:45 243 Oral Presentation
Paediatric bronchology I

Room D
14:45 16:45 244 Oral Presentation
Highlights in the management of COPD and beyond

Room M
14:45 16:45 245 Oral Presentation
Advances in tuberculosis diagnosis and monitoring of treatment

Room P
14:45 16:45 246 Oral Presentation
Best abstracts on the role of exercise and physical activity in chronic respiratory disease

Room K
14:45 16:45 247 Oral Presentation
Late-breaking translational research in lung cancer

Room ICC Capital Suite 11
14:45 16:45 248 Poster Discussion
How the increasing complexity of chronic care management challenges ethics and costs in our healthcare system

Room ICC Capital Suite 12
14:45 16:45 249 Poster Discussion
Possible phenotypes of bronchiectasis and exacerbations

Room ICC Capital Suite 7
14:45 16:45 250 Poster Discussion
Best abstracts in exercise capacity and testing in chronic lung diseases

Room ICC Capital Suite 8
14:45 16:45 251 Poster Discussion
Unmasking the mechanisms of symptoms and exercise limitation in disease

Room ICC Capital Suite 10
14:45 16:45 252 Poster Discussion
Paediatric respiratory infection

Room ICC Capital Suite 9
14:45 16:45 253 Poster Discussion
Kaleidoscope of respiratory nursing

Room J
16:00 17:30 259 ERS Meeting
ERS Council meeting

Room ICC Capital Suite 8
17:00 17:50 263 Group members’ meeting
1.2 Rehabilitation and chronic care

Room ICC Capital Suite 10
17:00 17:50 264 Group members’ meeting
3.2 Airway cell biology and immunopathology

Room ICC Capital Suite 9
17:00 17:50 265 Group members’ meeting
1.6 General practice and primary care

Room H
17:00 17:50 266 Group members’ meeting
6.1 Epidemiology and 6.4 Genes and environment

Room ICC Capital Suite 13
17:00 17:50 267 Group members’ meeting
9.2 Physiotherapists

Room ICC Capital Suite 6
17:00 17:50 268 Group members’ meeting
9.1 Respiratory function technologists/scientists

Room ICC Capital Suite 15
17:00 17:50 269 Group members’ meeting
9.3 Nurses

Room ICC Capital Suite 8
18:00 18:50 284 Group members’ meeting
1.4 Interventional pulmonology

Room ICC Capital Suite 10
18:00 18:50 285 Group members’ meeting
7.5 Neonatology and Paediatric Intensive Care; 7.6 Paediatric Respiratory Epidemiology; 7.7 Paediatric Bronchology

Room ICC Capital Suite 9
18:00 18:50 286 Group members’ meeting
3.3 Mechanisms of lung injury and repair

Room H
18:00 18:50 287 Group members’ meeting
5.1 Airway pharmacology and treatment

Room ICC Capital Suite 13
18:00 18:50 288 Group members’ meeting
7.3 Cystic fibrosis; 7.4 Paediatric respiratory infection and immunology

Room ICC Capital Suite 6
18:00 18:50 289 Group members’ meeting
7.2 Paediatric asthma and allergy

Consult the Industry Sponsored Sessions programme at the end of this Congress Guide
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<thead>
<tr>
<th>ROOM</th>
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<th>SESSION</th>
<th>PRICE</th>
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<td>07:00 - 08:15</td>
<td>310 Challenging clinical cases</td>
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<td>317 Professional development workshop</td>
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<td>The history of respiratory public health in Britain: air pollution, tobacco control, and occupational lung disease</td>
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**Legend:**
- **ERS:** European Respiratory Society
- **IC:** International Congress
- **K:** Room K
- **ICC:** ICC Capital
- **L:** Room L
- **A:** Room A
- **B:** Room B
- **P:** Platinum Room
- **C:** Room C
- **G:** Room G
- **D:** Room D
- **M:** Room M
- **P:** Room P
- **N:** Room N
- **O:** Room O
- **P:** Room P
- **Q:** Room Q
- **R:** Room R
- **S:** Room S
- **T:** Room T
- **U:** Room U
- **V:** Room V
- **W:** Room W
- **X:** Room X
- **Y:** Room Y
- **Z:** Room Z
- **PD:** Professional Development
- **SW:** Skills Workshop
- **CC:** Challenging Clinical Cases
- **PD:** Professional Development
- **SW:** Skills Workshop
- **IP:** Infection Prevention
- **MH:** Management of HIV
- **BR:** Basic Science
- **TL:** Translational Science
- **CL:** Clinical Science
- **PL:** Pulmonology
- **PS:** Pulmonary Science
- **PS:** Paediatric Science
- **PB:** Paediatric Basic Science
- **PP:** Paediatric Pulmonology
- **TH:** Thoracic Surgery
- **OC:** Oncology
- **PA:** Paediatrics
- **PH:** Physiology
- **SL:** Sleep
- **IN:** Infection
- **EN:** Epidemiology
- **EV:** Environment
- **IC:** Intensive Care
- **OC:** Oncology
- **PA:** Paediatrics
- **PH:** Physiology
- **SL:** Sleep
- **IC:** Industry
- **FB:** Faculty of Basic Sciences
- **FC:** Faculty of Clinical Sciences
- **FD:** Faculty of Didactics
- **FP:** Faculty of Preventive Medicine
- **FT:** Faculty of Thoracic Surgery
- **FP:** Faculty of Pulmonology
- **FP:** Faculty of Paediatrics
- **FP:** Faculty of Physiology
- **FP:** Faculty of Sleep
- **FP:** Faculty of Industry
- **FB:** Faculty of Basic Sciences
- **FC:** Faculty of Clinical Sciences
- **FD:** Faculty of Didactics
- **FP:** Faculty of Preventive Medicine
- **FT:** Faculty of Thoracic Surgery
- **FP:** Faculty of Pulmonology
- **FP:** Faculty of Paediatrics
- **FP:** Faculty of Physiology
- **FP:** Faculty of Sleep
- **FP:** Faculty of Industry
### OUTLINE PROGRAMME

**MONDAY 05 SEPTEMBER, 2016**

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<th>Session</th>
<th>Topic</th>
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<tr>
<td>10:40</td>
<td>Room ICC Capital</td>
<td>347 Skills workshop</td>
<td>SW13 The new frontiers in exercise training in chronic obstructive pulmonary disease patients: technical aspects</td>
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<td>ICC Auditorium</td>
<td>349 Hot topics</td>
<td>Pulmonary arterial hypertension: future therapeutic approaches: preceded by Ceremony for the ERS Award for Lifetime Achievement in Pulmonary Arterial Hypertension</td>
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<td>10:45</td>
<td>Room E</td>
<td>350 Symposium</td>
<td>Respiratory syncytial virus: new therapies, but what impact?</td>
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<td>Prince Regent Room</td>
<td>351 Symposium</td>
<td>Influenza and respiratory physicians: A joint ERS/ESWI symposium</td>
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<td>10:45</td>
<td>Room L</td>
<td>352 Symposium</td>
<td>Molecular footprints in lung cancer diagnosis and management</td>
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<tr>
<td>10:45</td>
<td>Room A</td>
<td>353 Session</td>
<td>State-of-the-art research techniques in Royal Brompton Hospital and Imperial College London II</td>
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<tr>
<td>10:45</td>
<td>Room B</td>
<td>354 Symposium</td>
<td>Chronic graft-versus-host disease and chronic allograft dysfunction after lung transplantation: similarities and dissimilarities</td>
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<td>355 Session</td>
<td>ERS Statements and Technical Standards: Recent outcomes</td>
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<td>Platinum Room 3+4</td>
<td>356 Session</td>
<td>Working together to drive investment and innovation in asthma research: an ERS/The European Asthma Research &amp; Innovation Partnership (EARIP) joint session</td>
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<td>Room C</td>
<td>357 Oral Presentation</td>
<td>Late-breaking topics in airways disease</td>
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<td>Room G</td>
<td>358 Oral Presentation</td>
<td>Clinical and molecular studies in asthma</td>
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<td>Room D</td>
<td>359 Oral Presentation</td>
<td>Current challenges in thoracic surgery</td>
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<td>Room M</td>
<td>360 Oral Presentation</td>
<td>Management of asthma and COPD in primary care</td>
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<td>361 Oral Presentation</td>
<td>COPD and asthma COPD overlap syndrome (ACOS): novelties in terms of prevalence, risk factors, and prognosis in COPD</td>
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<td>Dyspnoea and respiratory muscle/mechanics anomalies in disease</td>
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<td>363 Poster Discussion</td>
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<td>Active and latent tuberculosis: biomarkers</td>
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<td>369 Professional development workshop</td>
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### THEMATIC POSTER SESSIONS

**08:30-17:00 Poster Display**

**12:50-14:40 Poster Session (with authors and coordinators’ presence)**

**T-01** 12:50-14:40 374 TP Dealing with the complexity of critically-ill patients

**T-02** 12:50-14:40 375 TP New horizons for noninvasive ventilation in acute and chronic settings

**T-03** 12:50-14:40 376 TP Noninvasive ventilation and beyond: novelties and real-life applications

**T-04** 12:50-14:40 377 TP Multidimensional and multidisciplinary approaches to respiratory problems

**T-05** 12:50-14:40 378 TP Pathophysiological mechanisms at different levels: lung, airways, muscles and symptom perception

**T-06** 12:50-14:40 379 TP Lung function and imaging: new findings and new approaches
### OUTLINE PROGRAMME

**MONDAY 05 SEPTEMBER, 2016**

**Prince Regent Room**

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<td>415 Lunchtime session Interstitial lung disease registry: New and useful insights from prospective registries across the world</td>
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**Room L**

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<td>13:00</td>
<td>416 Lunchtime session Lung cancer: latest developments in screening and patient management: ERS/Lancet joint lunchtime</td>
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**Room A**

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<td>417 Lunchtime session When respiratory disease come to an end: An ethical session</td>
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**Room E**

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**Platinum Room 1+2**

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**Platinum Room 3+4**

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<td>421 Assembly members’ meeting Assembly 6 Occupation and epidemiology</td>
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**Room K**

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**Room ICC Capital Suite 10**

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<td>Room ICC Capital Suite 6</td>
<td>13:00 - 14:00</td>
<td>427 Meet the expert ME6 Dealing with air leaks during noninvasive ventilation</td>
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<td>Room ICC Capital Suite 13</td>
<td>13:00 - 14:00</td>
<td>426 Meet the expert ME7 Surgery for lung cancer</td>
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<td>13:00 - 14:00</td>
<td>428 Meet the expert ME8 Acute and chronic infection in chronic obstructive pulmonary disease</td>
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<td>Room ICC Capital Suite 7</td>
<td>13:00 - 14:00</td>
<td>423 Meet the expert ME13 Smoking cessation in difficult population groups</td>
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<td>13:00 - 14:00</td>
<td>424 Meet the expert ME14 What is sleep apnoea anyway? Why metrics and definitions matter</td>
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<td>Room ICC Capital Suite 14</td>
<td>13:00 - 14:30</td>
<td>433 Professional development workshop PD5 Establishing core facilities for measuring clinical trial outcomes: Experience from the European Cystic Fibrosis Society (ECFS) Clinical Trials Network (CTN)</td>
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<td>Room ICC Capital Suite 4</td>
<td>14:30 - 16:50</td>
<td>447 Skills workshop SW14 Interventional pulmonology</td>
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<tr>
<td>Room ICC Capital Suite 17</td>
<td>14:30 - 16:50</td>
<td>446 Skills workshop SW15 The new frontiers in exercise training in chronic obstructive pulmonary disease patients: technical aspects</td>
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<td>ICC Auditorium</td>
<td>14:45 - 16:45</td>
<td>448 Grand round GR3 Scientific Grand Round: precision medicine: an interactive session</td>
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<td>Room E</td>
<td>14:45 - 16:45</td>
<td>449 Hot topics Air pollution and effects on lung health</td>
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<td>Prince Regent Room</td>
<td>14:45 - 16:45</td>
<td>450 Symposium Updating on electronic nicotine delivery systems (ENDS) or e-cigarettes</td>
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<td>Room L</td>
<td>14:45 - 16:45</td>
<td>451 Symposium Driving and sleepiness: ERS/ERS joint symposium</td>
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<td>Room A</td>
<td>14:45 - 16:45</td>
<td>452 Symposium Historical landmarks in respiratory medicine: contributions from the UK: Insights from the United Kingdom</td>
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<td>14:45 - 16:45</td>
<td>453 Symposium New therapies for chronic respiratory infections</td>
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<td>Platinum Room 1+2</td>
<td>14:45 - 16:45</td>
<td>454 Symposium Deep phenotyping to improve treatment outcomes in paediatric asthma: Bringing -OMICS to the clinic</td>
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<td>Platinum Room 3+4</td>
<td>14:45 - 16:45</td>
<td>455 Oral Presentation Recent high impact findings regarding COPD comorbidities</td>
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<td>14:45 - 16:45</td>
<td>456 Oral Presentation Pulmonary hypertension: novel insights</td>
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<td>14:45 - 16:45</td>
<td>457 Oral Presentation Advancements in bronchoscopy</td>
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<td>458 Oral Presentation Sepsis and ARDS: looking forward</td>
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<td>459 Oral Presentation Phenotyping asthma</td>
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<td>460 Oral Presentation Latent tuberculosis infection</td>
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<td>14:45 - 16:45</td>
<td>461 Oral Presentation Novel approaches for pulmonary rehabilitation in chronic lung diseases</td>
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<td>Room ICC Capital Suite 11</td>
<td>14:45 - 16:45</td>
<td>462 Poster Discussion New insights into noninvasive ventilation: between the dream and reality</td>
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<td>Room ICC Capital Suite 12</td>
<td>14:45 - 16:45</td>
<td>463 Poster Discussion Quality management and quality of life in lung cancer</td>
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<td>14:45 - 16:45</td>
<td>464 Poster Discussion ILD pathogenesis</td>
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<td>Room ICC Capital Suite 8</td>
<td>14:45 - 16:45</td>
<td>465 Poster Discussion Prevalence, prognosis, and risk factors of COPD</td>
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### Room ICC Capital Suite 10

**14:45 - 16:45**
- **466 Poster Discussion**
  - Highlights in primary ciliary dyskinesia and asthma in childhood

### Room ICC Capital Suite 9

**14:45 - 16:45**
- **467 Poster Discussion**
  - Paediatric bronchology II

Consult the Industry Sponsored Sessions programme at the end of this Congress Guide.
<table>
<thead>
<tr>
<th>ROOM</th>
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<td>511 Challenging clinical cases</td>
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<td>CC6 New treatment approaches in non-small cell lung cancer</td>
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<td>Prince Regent Room</td>
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<td>Obesity and respiratory diseases</td>
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<td>Urban air pollution and human health</td>
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<td>What can respiratory medicine learn from cystic fibrosis research?</td>
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<td>Treatment options for obstructive sleep apnoea and obesity hypoventilation</td>
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**TUESDAY 6 SEPTEMBER**
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<td>537 Poster Discussion Exploring mechanisms in health and disease</td>
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<td>550 Year in review Pulmonary endoscopy 2016: to freeze, heat, block or dig</td>
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<td>Room E</td>
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<td>551 Symposium The management of acute exacerbations of COPD</td>
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<td>Prince Regent Room</td>
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<td>552 Symposium Oligometastasis: postmodern multimodality concepts</td>
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<td>553 Symposium Endotyping: the means to personalised medicine in lung disease</td>
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<td>554 Symposium Childhood wheeze: are we making any progress?</td>
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<td>555 Symposium Microbiome in health and in disease</td>
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<td>556 Symposium Hypoxia, the carotid body, and the brain</td>
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<td>557 Hot topics The future is now: the challenge of ageing in respiratory medicine</td>
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<td>Room C</td>
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<td>558 Oral Presentation New approaches and finding in smoking cessation</td>
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<td>559 Oral Presentation From microimaging to functional evaluation of the lung</td>
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<td>560 Oral Presentation Drug-resistant tuberculosis and experiences with delamanid and bedaquiline</td>
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<td>561 Oral Presentation Non-inflammatory COPD monitoring</td>
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<td>562 Oral Presentation How to choose the best strategy with noninvasive ventilation?</td>
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<td>563 Oral Presentation Novel mechanisms and therapeutic targets in acute and chronic inflammatory disease</td>
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<td>564 Poster Discussion Epidemiological and clinical data regarding the modern management of chronic lung diseases</td>
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<td>565 Poster Discussion Diagnostic and therapeutic challenges in acute respiratory failure</td>
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<td>566 Poster Discussion New insights into pulmonary rehabilitation for chronic lung diseases</td>
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<td>567 Poster Discussion Pulmonary hypertension and chronic thromboembolic pulmonary hypertension</td>
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<td>568 Poster Discussion Man versus machine: waves, frequency, and more in lung function</td>
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<td>569 Poster Discussion Immune responses in the lung</td>
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<td>Room ICC Capital Suite 14</td>
<td>11:00 - 12:30</td>
<td>572 Professional development workshop PD8 Navigate your publishing process € 40</td>
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**THEMATIC POSTER SESSIONS**

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<td>Poster Display</td>
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<td>Poster Session (with authors and coordinators’ presence)</td>
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<td>578 TP  Biomarkers and phenotypes of COPD</td>
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<td>T-02 12:50-14:40</td>
<td>579 TP  COPD diagnosis and management</td>
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<td>T-03 12:50-14:40</td>
<td>580 TP  Long-term oxygen therapy, noninvasive ventilation, and other clinical variables in chronic lung diseases</td>
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<td>581 TP  The best clinical approach to lung diseases</td>
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<td>619 Lunchtime session Early life origins of asthma and COPD: ERS/NEJM Lunchtime session</td>
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<td>Prince Regent Room</td>
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<td>620 Lunchtime session Should we start screening programmes in Europe? Review of current scientific evidence</td>
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<td>621 Lunchtime session GOLD: novel approaches to COPD assessment and management</td>
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<td>622 Lunchtime session Do we really need PD1/PD-L1 status and next generation sequencing to treat lung cancer? Pro/con discussions</td>
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<td>623 ERS Meeting ERS General Assembly Meeting</td>
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<td>624 Educational forum Recertification of respiratory professionals: current practice and the future</td>
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<td>625 Patient forum: Communicating the impact and risk of air pollution to respiratory patients: A joint ELF/ERS session</td>
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<td>627 Meet the expert: Detecting and correcting patient-ventilator asynchronies €100 Clinical</td>
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<td>628 Meet the expert: Asthma and sleep-disordered breathing in children and adults €100 Translational</td>
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<td>640 Session: Respiratory infectious disease control in Europe: ERS/ECDC joint session Clinical</td>
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<td>641 Symposium: The future of tyrosin kinase inhibitors Clinical</td>
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<td>Prince Regent Room</td>
<td>14:45-16:45</td>
<td>642 Symposium: Future challenges in pulmonary arterial hypertension: An ERS/ESC, and Patient Organisation PAH Europe joint symposium: preceded by Ceremony for the ERS Research Award in Pulmonary Hypertension Clinical</td>
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<td>643 Symposium: Living and dying with lung disease: Communication and palliative care in end-stage lung disease Clinical</td>
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<td>Room A</td>
<td>14:45-16:45</td>
<td>644 Hot topics: Genetics, epigenetics and the exposome: How to integrate different layers of biological information Translational</td>
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<tr>
<td>Room B</td>
<td>14:45-16:45</td>
<td>645 Symposium: Transition to adult care: what we can learn from cystic fibrosis? Clinical</td>
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<tr>
<td>Platinum Room 1+2</td>
<td>14:45-16:45</td>
<td>646 Hot topics: Molecular phenotyping of severe asthma: the role of consortia in driving personalised medicine Translational</td>
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<tr>
<td>Platinum Room 3+4</td>
<td>14:45-16:45</td>
<td>647 Hot topics: Noninvasive ventilation versus high-flow nasal therapy for hypoxemic patients Clinical</td>
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<tr>
<td>Room C</td>
<td>14:45-16:45</td>
<td>648 Oral Presentation: Therapeutic horizons: novel targets and pharmacological models</td>
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<tr>
<td>Room G</td>
<td>14:45-16:45</td>
<td>649 Oral Presentation: Mechanisms of symptoms and exercise limitation in health and disease</td>
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<tr>
<td>Room D</td>
<td>14:45-16:45</td>
<td>650 Oral Presentation: Insights into the pathophysiology of childhood lung disease</td>
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<tr>
<td>Room M</td>
<td>14:45-16:45</td>
<td>651 Oral Presentation: Central sleep apnoea and the central regulation of obstructive and central sleep apnoea</td>
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<tr>
<td>Room P</td>
<td>14:45-16:45</td>
<td>652 Oral Presentation: IPF clinical</td>
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<tr>
<td>Room K</td>
<td>14:45-16:00</td>
<td>653 Session: Becoming a successful young researcher in an era of opportunities: Session organised by the ERS Early Career Member Committee</td>
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<tr>
<td>Room ICC Capital Suite 11</td>
<td>14:45-16:45</td>
<td>654 Poster Discussion: Asthma and allergy in infancy: from risk factors to mortality</td>
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<td>655 Poster Discussion: Emerging issues in smoking cessation and tobacco products</td>
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<td>Room ICC Capital Suite 7</td>
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<td>656 Poster Discussion: Biomarkers and phenotypes of COPD and comorbidities</td>
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<tr>
<td>Room ICC Capital Suite 8</td>
<td>14:45-16:45</td>
<td>657 Poster Discussion: Post-transplant complications: from animal models to the bedside</td>
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<tr>
<td>Room ICC Capital Suite 10</td>
<td>14:45 – 16:45</td>
<td>658 Poster Discussion</td>
<td>Mechanisms of disease</td>
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<tr>
<td>Room ICC Capital Suite 9</td>
<td>14:45 – 16:45</td>
<td>659 Poster Discussion</td>
<td>Transbronchial diagnostics: from ILD to peripheral lesions</td>
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<td>Room ICC Capital Suite 14</td>
<td>15:00 – 17:00</td>
<td>660 Professional development workshop</td>
<td>PD10 Writing multiple choice questions: Practical guidelines for the development and assessment of multiple choice questions (MCQs)</td>
</tr>
<tr>
<td>Room K</td>
<td>16:00 – 17:15</td>
<td>664 Session</td>
<td>ERS Fellowship Career Development session</td>
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Consult the Industry Sponsored Sessions programme at the end of this Congress Guide
## WEDNESDAY 7 SEPTEMBER

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<td>684 Session</td>
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<td>Room L</td>
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<td>685 Symposium</td>
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<tr>
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<tr>
<td>Platinum Room 1+2</td>
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<td>688 Hot topics</td>
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<td>Platinum Room 3+4</td>
<td>08:30</td>
<td>689 Hot topics</td>
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<td>Room C</td>
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<td>690 Oral Presentation</td>
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<td>Room G</td>
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<td>691 Oral Presentation</td>
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<td>Room P</td>
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<td>Room K</td>
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<td>695 Oral Presentation</td>
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<tr>
<td>Room ICC Capital Suite 11</td>
<td>08:30</td>
<td>696 Poster Discussion</td>
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<td>Room ICC Capital Suite 12</td>
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<td>697 Poster Discussion</td>
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<td>Room ICC Capital Suite 8</td>
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<td>699 Poster Discussion</td>
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<tr>
<td>Room ICC Capital Suite 9</td>
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<td>700 Poster Discussion</td>
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<tr>
<td>Room E</td>
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<td>Room L</td>
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<td>Room A</td>
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<tr>
<td>Platinum Room 3+4</td>
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<td>709 Oral Presentation</td>
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<td>Room C</td>
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<td>710 Oral Presentation</td>
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<td>Room</td>
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<tr>
<td>Room G</td>
<td>10:45</td>
<td>711 Oral Presentation Monitoring airway diseases with different tools</td>
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<tr>
<td>Room D</td>
<td>10:45</td>
<td>712 Oral Presentation Emerging concepts in lung disease pathogenesis</td>
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<td>Room M</td>
<td>10:45</td>
<td>713 Oral Presentation Paediatric respiratory infection and immunology</td>
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<tr>
<td>Room P</td>
<td>10:45</td>
<td>714 Oral Presentation Translational research in respiratory infections</td>
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<td>Room K</td>
<td>10:45</td>
<td>715 Oral Presentation Important factors, besides smoking, that relate to lung function and decline in lung function</td>
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<tr>
<td>Room ICC Capital Suite 11</td>
<td>10:45</td>
<td>716 Poster Discussion Notable abstracts on clinical problems related to asthma</td>
</tr>
<tr>
<td>Room ICC Capital Suite 12</td>
<td>10:45</td>
<td>717 Poster Discussion From cardiopulmonary interaction to locomotor muscles and dyspnoea in health and disease</td>
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<tr>
<td>Room ICC Capital Suite 7</td>
<td>10:45</td>
<td>718 Poster Discussion Pleural diseases</td>
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<td>Room ICC Capital Suite 8</td>
<td>10:45</td>
<td>719 Poster Discussion Airway pharmacology: drug targets and mode of action</td>
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<tr>
<td>Room ICC Capital Suite 10</td>
<td>10:45</td>
<td>720 Poster Discussion Mesothelioma and malignant pleural disease</td>
</tr>
<tr>
<td>Room ICC Capital Suite 9</td>
<td>10:45</td>
<td>721 Poster Discussion The nature of pulmonary hypertension</td>
</tr>
</tbody>
</table>
ERS WORLD VILLAGE

An interactive hub for the world’s respiratory community
All World Village presentations will take place in the theatre in the centre of the World Village, in the exhibition.

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<thead>
<tr>
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<th>Session</th>
<th>Organised by</th>
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<tr>
<td></td>
<td><strong>SUNDAY 4 SEPTEMBER</strong></td>
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</tr>
<tr>
<td>09:00-09:30</td>
<td>Opening Ceremony</td>
<td>European Respiratory Society (ERS)</td>
</tr>
<tr>
<td>09:45-10:15</td>
<td>From the past to the Future</td>
<td>World Immunopathology Organization (WIPO)</td>
</tr>
<tr>
<td>12:00-12:30</td>
<td>Patient and professional integration - Dutch paediatric conference</td>
<td>Longfonds</td>
</tr>
<tr>
<td>12:45-13:00</td>
<td>Campaign to improve legislation on driving licenses for sleep apnoea patients</td>
<td>Apneuvereniging</td>
</tr>
<tr>
<td>13:30-14:00</td>
<td>APSR; Respiratory medicine in Asia-Pacific invites global collaboration</td>
<td>Asian Pacific Society of Respirology (APSR)</td>
</tr>
<tr>
<td>14:15-14:45</td>
<td>Contribution of the Romanian Society of Pneumology to the new antitobacco law</td>
<td>Romanian Society of Pneumology (SRP)</td>
</tr>
<tr>
<td>15:45-16:15</td>
<td>Resurgence of artificial stone induced in Israeli exposed workers</td>
<td>Israeli Medical Association (IMA)</td>
</tr>
<tr>
<td>16:30-17:00</td>
<td>How we moved ahead in the last year?</td>
<td>Indian Chest Society (ICS)</td>
</tr>
</tbody>
</table>

|             | **MONDAY 5 SEPTEMBER**                                                  |                                                   |
| 10:30-11:00 | New Developments and Supporting Early Career Researchers               | British Association for Lung Research (BALR)     |
| 11:15-11:45 | The Russian experience in respiratory education                        | Russian Respiratory Society (RRS)                 |
| 12:00-12:30 | How to organise a HLFL event in your country                           | European Lung Foundation (ELF)                    |
| 15:30-16:00 | Outline of the work of the Irish Thoracic Society and Irish Lung Health Alliance: research, advocacy and education | Irish Thoracic Society (ITS)                      |
| 16:15-16:45 | Egyptian Society of Chest Diseases and Tuberculosis - History of National, Regional & International Achievements | Egyptian Society of Chest Diseases and Tuberculosis (ESCDT) |

|             | **TUESDAY 6 SEPTEMBER**                                                  |                                                   |
| 09:00-09:30 | The Polish Respiratory Society up to date                               | Polish Respiratory Society (PTChP)                |
| 09:45-10:15 | Current activities of the Austrian Society of Pneumology                | Austrian Society of Pneumology (ÖGP)              |
| 10:30-11:00 | Engaging the Entire Team in Chest Medicine                              | CHEST                                             |
| 11:15-11:45 | Ten years’ experience of a chronic respiratory diseases programme in Chile | Sociedad Chilena de Enfermedades Respiratorias (SERCHILE) |
| 12:00-12:30 | Activities of the Tunisian Society of Respiratory Diseases and Allergology | Tunisian Society of Respiratory Diseases and Allergology (STRMA) |
| 13:00-13:15 | Respiratory patient education, the importance of patient organisation support | La Fédération française des associations et amicales de malades insufsants ou handicapés respiratoires (FFAAIR) |
| 13:15-13:30 | Presenting the organisation’s key public initiatives over the last 12 months and new patient survey | Action for Pulmonary Fibrosis                     |
| 13:45-14:00 | Priority setting                                                        | Asthma UK                                         |
| 14:15-14:45 | Presentation of the Associação Respiratória de Língua Portuguesa - ARELP | Associação Respiratória de Língua Portuguesa (ARELP) |
| 15:00-15:30 | Introduction of the Japanese Respiratory Society (JRS) and the official Journal “Respiratory Investigation" | Japanese Respiratory Society (JRS)               |
| 15:45-16:15 | Educating children and young people - a social commitment from ASSOBRAFIR | Associação Brasileira de Fisioterapia Cardiorrespiratória e Fisioterapia em Terapia Intensiva (ASSOBRAFIR) |
| 16:30-17:00 | Non-governmental organizations & Activities for patients & Patient organizations | Turkish Thoracic Society (TTS)                   |

<p>|             | <strong>WEDNESDAY 7 SEPTEMBER</strong>                                                |                                                   |
| 09:00-09:30 | Inhalation Aerosols, the Foundation of Respiratory Care                  | International Society of Aerosols in Medicine (ISAM) |</p>
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<tr>
<th>Session 7</th>
<th>Session 8</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aims:</strong> To test the lung health of people in London and educate them about the importance of clean air</td>
<td><strong>Public:</strong> Opening of the public event on Trafalgar Square</td>
</tr>
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</table>
### Session 16 (Room ICC Capital Suite 17) 08:00 - 10:20

Registration for this session is additional to the congress registration fee and is €100 on site, €90 standard or €70 for early bird registration.

**Skills workshop: SW1 Inhaler techniques**

**Aims:** Access educational materials here
To provide participants with the knowledge, skills, and tools needed to demonstrate the use of inhalation devices, and to coach and teach patients effectively; to provide an overview of the different types of models and how they function; to provide participants with the skills and knowledge needed to guide and train a patient to successfully use an inhaler; to give an overview on how inhalers perform in real-life scenarios; to teach participants how to successfully administer medication and how to avoid common mistakes.

**Track(s):** Physiology

**Tag(s):** Clinical

**Target audience:** Nurse, Sleep specialist/technologist, Clinician, Fellow, Physiologist

**Chairs:** Daniel Schuermans (Brussels, Belgium)

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<tbody>
<tr>
<td><strong>Workstation 1: Inhalation devices</strong></td>
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</tr>
<tr>
<td>Eric Derom (Gent, Belgium)</td>
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<tr>
<td><strong>Workstation 2: How to train a patient</strong></td>
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<tr>
<td>Job van der Palen (Enschede, Netherlands)</td>
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<tr>
<td><strong>Workstation 3: Inhaler techniques</strong></td>
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<td>Sibylla Bos (Deventer, Netherlands)</td>
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<td><strong>Workstation 4: Medication</strong></td>
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<tr>
<td>Frans H.C. de Jongh (Enschede, Netherlands)</td>
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### Session 33 (Room ICC Capital Suite 17) 10:40 - 13:00

Registration for this session is additional to the congress registration fee and is €100 on site, €90 standard or €70 for early bird registration.

**Skills workshop: SW2 Inhaler techniques**

**Aims:** Access educational materials here
To provide participants with the knowledge, skills, and tools needed to demonstrate the use of inhalation devices, and to coach and teach patients effectively; to provide an overview of the different types of models and how they function; to provide participants with the skills and knowledge needed to guide and train a patient to successfully use an inhaler; to give an overview on how inhalers perform in real-life scenarios; to teach participants how to successfully administer medication and how to avoid common mistakes.

**Track(s):** Physiology

**Tag(s):** Clinical

**Target audience:** Fellow, Clinician, Sleep specialist/technologist, Nurse, Physiologist

**Chairs:** Sven Verschraegen (Merelbeke, Belgium)

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<td><strong>Workstation 2: How to train a patient</strong></td>
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<tr>
<td>Georgia Narsavage (Columbia, United States of America)</td>
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<td><strong>Workstation 3: Inhaler techniques</strong></td>
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<tr>
<td>Titia Klemmeier-Boekhout (Bedum, Netherlands)</td>
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<tr>
<td><strong>Workstation 4: Medication</strong></td>
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</tbody>
</table>
**Skills workshop: SW3 Inhaler techniques**

**Aims**: Access educational materials here

To provide participants with the knowledge, skills, and tools needed to demonstrate the use of inhalation devices, and to coach and teach patients effectively; to provide an overview of the different types of models and how they function; to provide participants with the skills and knowledge needed to guide and train a patient to successfully use an inhaler; to give an overview on how inhalers perform in real-life scenarios; to teach participants how to successfully administer medication and how to avoid common mistakes.

**Track(s)**: Physiology

**Tag(s)**: Clinical

**Target audience**: Clinician, Nurse, Physiologist, Sleep specialist/technologist, Fellow

**Chairs**: Eric Derom (Ghent, Belgium)

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<td>Workstation 2: How to train a patient</td>
<td>Job van der Palen (Enschede, Netherlands)</td>
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<tr>
<td>Workstation 3: Inhaler techniques</td>
<td>Titia Klemmeier-Boekhout (Bedum, Netherlands)</td>
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<tr>
<td>Workstation 4: Medication</td>
<td>Frans H.C. de Jongh (Enschede, Netherlands)</td>
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**Room ICC Capital Suite**

**Session 31**

**09:30 - 17:30**

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<th>Room ICC Capital Suite</th>
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Registration for this session is additional to the congress registration fee and is €100 (including a lunch box). Please register your interest by 19 June 2016. All accepted participants will be informed by the end of June.

**Professional development workshop: PD1 Spirometry: Train the trainer**

**ERS spirometry training programme**

**Aims**: Access educational materials here

To provide participants with the knowledge and tools to teach high quality spirometry, and provide the necessary training for those who would like to train and certify participants for the European Spirometry Driving Licence Parts 1 and 2 within Europe.

**Track(s)**: Physiology

**Tag(s)**: Clinical

**Target audience**: Pulmonologist, Respiratory physician, Nurse, Lung function technician, Allied health professional, General practitioner

**Chairs**: Irene Steenbruggen (Zwolle, Netherlands), Brendan Cooper (Birmingham, United Kingdom)

| 09:30 | Welcome and introduction to the course | Odile Van Eck (Waalre, Netherlands), Vera Habes (Utrecht, Netherlands) | 83 |
| 10:00 | Overview of the European Spirometry Driving Licence training programmes | Brendan Cooper (Birmingham, United Kingdom), Irene Steenbruggen (Zwolle, Netherlands) | 84 |
| 10:10 | Principles of teaching and learning | Walther N. K. A. van Mook (Maastricht, Netherlands) | 85 |
| 10:50 | Break | 86 |
| 11:20 | European Spirometry Driving Licence-specific teaching and training | Felip Burgos (Barcelona, Spain) | 87 |
| 11:50 | Practical session on presentation and facilitation skills | Vera Habes (Utrecht, Netherlands), Odile Van Eck (Waalre, Netherlands) | 88 |
| 12:20 | Presentation from participants | 89 |
13:00  Lunch  90

14:00  Providing effective feedback  
       Walther N. K. A. van Mook (Maastricht, Netherlands)  91

14:45  Discussion and feedback regarding the practical session  
       Vera Habes (Utrecht, Netherlands), Odile Van Eck (Waalre, Netherlands)  92

15:30  Break  93

16:00  Principles of assessment  
       Walther N. K. A. van Mook (Maastricht, Netherlands)  94

16:40  Assessment of the European Spirometry Driving Licence programme  
       Julie Lloyd (Birmingham, United Kingdom)  95

17:10  Evaluation  
       Vera Habes (Utrecht, Netherlands), Odile Van Eck (Waalre, Netherlands)  96

Room G  Session 24  09:30 - 17:30

Registration for this session is additional to the congress registration fee and is €220 on site, €200 standard or €155 for early bird registration.

Postgraduate Course: PG1 Asthma and chronic obstructive pulmonary disease - FULLY BOOKED

An update in assessment and treatment

Aims: Access educational materials here
To discuss the burden of chronic obstructive lung diseases; to explain the approaches used to assess airways function in these diseases, to provide an update on the mechanisms and treatment of exacerbations, to describe how deeper phenotyping of asthma and COPD will lead to more effective treatment of these diseases.

Track(s): Infection, Paediatric, Epidemiology / Environment
Tag(s): Clinical, Translational

Target audience: Allergologist, Allied health professional, Clinician, Epidemiologist, General practitioner, Immunologist, Paediatrician, Pulmonologist, Trainee, Student

Chairs: Ian Douglas Pavord (Oxford, United Kingdom), Gaetano Caramori (Ferrara, Italy)

09:30  The burden of obstructive lung diseases  
       Anne Lindberg (Boden, Sweden)  39

10:00  Monitoring asthma: state-of-the-art physiological, imaging, and biomarker assessments  
       Omar Usmani (London, United Kingdom)  40

10:30  Group assignment  41

11:00  Break  42

11:30  Asthma phenotypes  
       Sally Wenzel (Pittsburgh, United States of America)  43

12:00  COPD phenotypes  
       Christopher E. Brightling (Leicester, United Kingdom)  48

12:30  Group assignment  45

13:00  Lunch  46

14:00  Monitoring COPD: state-of-the-art physiological, imaging, and biomarker assessments  
       Roland Buhl (Mainz, Germany)  47

14:30  The future: treating specific endotypes  
       Peter J. Barnes (London, United Kingdom)  52

15:00  Group assignment  49

15:30  Break  50
Exacerbations of obstructive lung disease
Norbert Krug (Hannover, Germany)

Asthma exacerbations in children: the paediatrician’s view
Bart Rottier (Groningen, Netherlands)

Group assignment

Room C  Session 23  09:30 - 17:30

Postgraduate Course: PG2 Advanced thoracic ultrasound - FULLY BOOKED
Enhance your sonography practice beyond identification of pleural fluid

Aims: Access educational materials here
To provide a solid theoretical framework for physicians wishing to develop their ultrasound skills; to encourage evidence-based practice, where possible; to highlight the utility of thoracic ultrasound beyond identification of pleural fluid, to include assessment of other thoracic structures; to demonstrate that, after suitable training, physicians may safely perform thoracic interventions (including image-guided pleural biopsies); and to complement the Thoracic Ultrasound Educational Skills Workshop.

Track(s): Physiology
Tag(s): Clinical
Target audience: Clinician, Respiratory physician, Trainee, Pulmonologist, Fellow, Radiologist, Resident, Respiratory therapist, Thoracic surgeon, Cardiologist, Oncologist
Chairs: John Wrightson (Oxford, United Kingdom), Jouke T. Annema (Amsterdam, Netherlands)

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<thead>
<tr>
<th>09:30</th>
<th>Physics of ultrasound</th>
<th>Emma J. Helm (Coventry, United Kingdom)</th>
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<tr>
<td>10:15</td>
<td>Artefacts</td>
<td>Rachel Benamore (Oxford, United Kingdom)</td>
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<td>11:00</td>
<td>Break</td>
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<tr>
<td>11:30</td>
<td>Pleural effusions and thickening</td>
<td>Ionnas Psallidas (Oxford, United Kingdom)</td>
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<td>12:15</td>
<td>Assessment of parenchymal abnormalities</td>
<td>Christian B. Laursen (Odense, Denmark)</td>
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<td>13:00</td>
<td>Lunch</td>
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<tr>
<td>14:00</td>
<td>Pneumothorax</td>
<td>John Corcoran (Oxford, United Kingdom)</td>
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<tr>
<td>14:45</td>
<td>Vascular structures</td>
<td>Anton Vonk Noordegraaf (Amsterdam, Netherlands)</td>
</tr>
<tr>
<td>15:30</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>16:00</td>
<td>Diaphragm assessment</td>
<td>John Wrightson (Oxford, United Kingdom)</td>
</tr>
<tr>
<td>16:45</td>
<td>Advanced intervention</td>
<td>Coenraad Frederik Nicolaas Koegelenberg (Cape Town, South Africa)</td>
</tr>
</tbody>
</table>

Platinum Room 1+2  Session 21  09:30 - 13:00

Postgraduate Course: PG3 Advanced respiratory and cardiovascular exercise testing
In health and respiratory disease

Aims: Access educational materials here
To understand the physiological constraints of exercise tolerance and its application in clinical practice; to appreciate the optimal methods for testing lung mechanics and spirometry; to understand the different formats of exercise tests, their advantages and disadvantages, and their different prognostic values in adults and children; and to appreciate the usefulness of exercise testing for evaluating pharmacological and non-pharmacological interventions in clinical practice.
**Track(s):** Physiology

**Tag(s):** Clinical

**Target audience:** Allied health professional, Cardiologist, Clinician, Fellow, Junior member, Lung function technician, Nurse, Paediatrician, Physiologist, Physiotherapist, Pulmonologist, Researcher, Respiratory physician, Respiratory therapist, Trainee

**Chairs:** Susan Ward (Crickhowell, United Kingdom), Enrico Lombardi (Florence, Italy)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s) and Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:30</td>
<td>Respiratory mechanics: changes in disease</td>
<td>Pierantonio Laveneziana (Paris, France)</td>
</tr>
<tr>
<td>10:00</td>
<td>Measuring exertional dyspnoea in health and disease</td>
<td>Denis O'Donnell (Kingston, Canada)</td>
</tr>
<tr>
<td>10:30</td>
<td>Group assignment</td>
<td></td>
</tr>
<tr>
<td>11:00</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>11:30</td>
<td>Cardiopulmonary exercise testing for evaluating muscle strength, endurance and pulmonary rehabilitation</td>
<td>Rik Gosselink (Leuven, Belgium)</td>
</tr>
<tr>
<td>12:00</td>
<td>Lung function and exercise testing in preschool children</td>
<td>Kai-Håkon Carlsen (Oslo, Norway)</td>
</tr>
<tr>
<td>12:30</td>
<td>Group assignment</td>
<td></td>
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</tbody>
</table>

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**Platinum Room 3+4: Session 22**

Registration for this session is additional to the congress registration fee and is €140 on site, €125 standard or €95 for early bird registration.

**Postgraduate Course: PG4 How to improve the success of noninvasive ventilation**

**Aims:** Access educational materials here
To review the physiological rationale for giving patients with hypercapnia and hypoxaemic failure non-invasive ventilation (NIV) support; to provide an overview on the use of NIV in specific patient categories including those with chronic obstructive pulmonary disease (COPD), those who are being weaned from invasive ventilation, and those with congestive heart failure; to discuss the limitations of NIV; to describe new developments in NIV support; and to incorporate the patient perspective for a successful NIV.

**Track(s):** Intensive care

**Tag(s):** Clinical

**Target audience:** Clinician, Emergency medicine doctor, Fellow, Intensivist/critical care physician, Junior member, Nurse, Patient, Pharmaceutical industry representative, Physiologist, Physiotherapist, Pulmonologist, Resident, Respiratory physician, Respiratory therapist, Student, Trainee

**Chairs:** Antonio M. Esquinas (Murcia, Spain), Mark W. Elliott (Leeds, United Kingdom)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s) and Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:30</td>
<td>Non-invasive ventilatory support: physiology and interfaces</td>
<td>Stefano Nava (Bologna, BO, Italy)</td>
</tr>
<tr>
<td>10:00</td>
<td>Long-term application of NIV: success in obstructive and restrictive lung diseases</td>
<td>Michael Dreher (Aachen, Germany)</td>
</tr>
<tr>
<td>10:30</td>
<td>Group assignment</td>
<td></td>
</tr>
<tr>
<td>11:00</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>11:30</td>
<td>NIV in the intensive care unit: how to improve the success rate in hypoxemic and hypercapnic patients</td>
<td>Paolo Navalesi (Vercelli, Italy)</td>
</tr>
<tr>
<td>12:00</td>
<td>Developments in NIV: unusual applications and new modes</td>
<td>Leo M.A. Heunks (Amsterdam, Netherlands)</td>
</tr>
<tr>
<td>12:30</td>
<td>Group assignment</td>
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</tbody>
</table>

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**Room H: Session 30**

Registration for this session is additional to the congress registration fee and is €140 on site, €125 standard or €95 for early bird registration.

**Postgraduate Course: PG5 How to reach peripheral solitary nodules**
Aims: Access educational materials here
To learn about the epidemiology of peripheral solitary nodules and the different techniques available to reach them.

Track(s): Oncology
Tag(s): Clinical
Target audience: Clinician, Fellow, General practitioner, Junior member, Oncologist, Pathologist, Pulmonologist, Radiologist, Respiratory physician, Thoracic endoscopist, Thoracic surgeon, Trainee

Chairs: Christophe Dooms (Leuven, Belgium), Gilbert Massard (Strasbourg, France)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:30</td>
<td><strong>Peripheral solitary nodules: the epidemiology</strong> Mathias Prokop (Nijmegen, Netherlands)</td>
</tr>
<tr>
<td>10:15</td>
<td><strong>CT-guided needle approaches</strong> Mark Wielpütz (Heidelberg, Germany)</td>
</tr>
<tr>
<td>11:00</td>
<td><strong>Break</strong></td>
</tr>
<tr>
<td>11:30</td>
<td><strong>The endoscopic solutions</strong> Ralf Eberhardt (Heidelberg, Germany)</td>
</tr>
<tr>
<td>12:15</td>
<td><strong>Minimally-invasive surgery</strong> Laureano Molins Lopez-Rodo (Barcelona, Spain)</td>
</tr>
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</table>

Room ICC Capital Suite 8  Session 27  09:30 - 13:00

Registration for this session is additional to the congress registration fee and is €140 on site, €125 standard or €95 for early bird registration.

Postgraduate Course: PG6 Lung fibrosis and sarcoidosis
Different diagnostic approaches and treatment modalities

Aims: Access educational materials here
To describe the different diagnostic approaches and treatment modalities in adult and paediatric interstitial lung disease.

Track(s): Paediatric  Epidemiology / Environment
Tag(s): Clinical
Target audience: Clinician, Paediatrician, Pulmonologist, Thoracic surgeon, Pathologist, Trainee, Student, Respiratory physician

Chairs: Joachim Muller-Quernheim (Freiburg, Germany), Venerino Poletti (Forlì, Italy)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</thead>
<tbody>
<tr>
<td>09:30</td>
<td><strong>The pathomechanism of lung fibrosis and sarcoidosis</strong> Manuela Funke-Chambour (Bern, Switzerland)</td>
</tr>
<tr>
<td>10:15</td>
<td><strong>Diagnostic and therapeutic standards in lung fibrosis and sarcoidosis</strong> Katerina Antoniou (Heraklion, Crete, Greece)</td>
</tr>
<tr>
<td>11:00</td>
<td><strong>Break</strong></td>
</tr>
<tr>
<td>11:30</td>
<td><strong>Chronic interstitial lung disease in children: diagnosis and treatment</strong> Annick Clement (Paris, France)</td>
</tr>
<tr>
<td>12:15</td>
<td><strong>Lung transplantation: the pros and cons</strong> Geert Verleden (Leuven, Belgium)</td>
</tr>
</tbody>
</table>

Room ICC Capital Suite 12  Session 26  09:30 - 13:00

Registration for this session is additional to the congress registration fee and is €140 on site, €125 standard or €95 for early bird registration.

Postgraduate Course: PG7 New guidelines for the classification and staging of lung cancer

Aims: Access educational materials here
To present and disseminate the new guidelines concerning the pathological classification of lung cancer and the 9th American Joint Committee on Cancer staging guidelines; to analyse the molecular-pathological correlations in lung cancer; and to describe the staging techniques needed to implement the new guidelines.

Track(s): Oncology
Tag(s): Clinical
Target audience: Clinician, Epidemiologist, General practitioner, Junior member, Oncologist, Pathologist, Pulmonologist, Resident, Respiratory physician, Scientist, Student, Thoracic surgeon, Trainee
### Session 25

**Chair:** Bogdan Dragos Grigoriu (Iasi, Romania), Françoise Galateau-Salle (CAEN, France)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker, Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:30</td>
<td>The new World Health Organisation classification of lung cancer</td>
<td>Philipp A. Schnabel (Homburg/Saar, Germany)</td>
</tr>
<tr>
<td>10:15</td>
<td>Molecular-pathological correlations in lung cancer</td>
<td>Elisabeth Brambilla (Grenoble, France)</td>
</tr>
<tr>
<td>11:00</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>11:30</td>
<td>TNM descriptor and classification changes in the 8th edition</td>
<td>Peter Goldstraw (London, United Kingdom)</td>
</tr>
<tr>
<td>12:15</td>
<td>Staging techniques needed for implementing the new staging recommendations</td>
<td>Torsten Gerriet Blum (Berlin, Germany)</td>
</tr>
</tbody>
</table>

### Session 29

**Room:** ICC Capital Suite 9

**Chair:** Alexander Möller (Zurich, Switzerland), Giorgio Piacentini (Verona, Italy)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker, Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:30</td>
<td>Viruses and bacteria in paediatric asthma</td>
<td>Peter D. Sly (South Brisbane, QLD, Australia)</td>
</tr>
<tr>
<td>10:15</td>
<td>Epidemiology of asthma and wheezing disorders</td>
<td>Erika von Mutius (Munich, Germany)</td>
</tr>
<tr>
<td>11:00</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>11:30</td>
<td>Personalised medicine in paediatric asthma, including from the patient's perspective</td>
<td>Marielle Pijnenburg (Rotterdam, Netherlands), David Supple (Shrewsbury, United Kingdom)</td>
</tr>
<tr>
<td>12:15</td>
<td>Severe therapy-resistant asthma</td>
<td>Urs Frey (Basel, Switzerland)</td>
</tr>
</tbody>
</table>

### Session 29

**Chair:** Martin Witzenrath (Berlin, Germany), Mark Everard (Perth, Australia)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker, Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:30</td>
<td>Challenges in diagnosing recurrent respiratory infections and immunological evaluation</td>
<td>Robin Deterding (Aurora, United States of America)</td>
</tr>
<tr>
<td>10:15</td>
<td>Clinical management of children with recurrent respiratory infections</td>
<td>Anne Bernadette Chang (Brisbane, Australia)</td>
</tr>
<tr>
<td>Time</td>
<td>Session 28</td>
<td>Room ICC Capital Suite 10</td>
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<tr>
<td>11:00</td>
<td>Clinical management of adults with recurrent respiratory infections</td>
<td>Michael Tamm (Basel, Switzerland)</td>
</tr>
<tr>
<td>12:15</td>
<td>Primary and secondary prevention of recurrent respiratory infections</td>
<td>James D. Chalmers (Perth, United Kingdom)</td>
</tr>
</tbody>
</table>

**Postgraduate Course: PG10 Tuberculosis management: a personalised clinical approach**

**Aims:** Access educational materials here
To update the knowledge and clinical skills of healthcare workers in the management of drug-susceptible tuberculosis; to improve the effectiveness of diagnosis, particularly in low-income areas; and to throw light on the necessary infection control activities.

**Track(s):** Infection

**Tag(s):** Clinical

**Target audience:** Clinician, Pulmonologist, TB specialist, Public health official, Nurse

**Chairs:** Marc Lipman (London, United Kingdom), Ali Zumla (London, United Kingdom)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 28</th>
<th>Room ICC Capital Suite 10</th>
<th>09:30 - 13:00</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:30</td>
<td>Diagnostic opportunities in low-income countries</td>
<td>Keertan Dheda (Cape Town, South Africa)</td>
<td>69</td>
</tr>
<tr>
<td>10:15</td>
<td>When, where, and how to treat tuberculosis in multiple drug resistant patients</td>
<td>Payam Nahid (San Francisco, United States of America)</td>
<td>70</td>
</tr>
<tr>
<td>11:00</td>
<td>Break</td>
<td></td>
<td>71</td>
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<tr>
<td>11:30</td>
<td>In and outpatient infection control activities</td>
<td>Riitta Dlodlo (Bulawayo, Zimbabwe)</td>
<td>72</td>
</tr>
<tr>
<td>12:15</td>
<td>Contact tracing to detect new patients and new infected cases</td>
<td>Connie G.M. Erkens (The Hague, Netherlands)</td>
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<thead>
<tr>
<th>Time</th>
<th>Session 53</th>
<th>Room ICC Capital Suite 8</th>
<th>14:00 - 17:30</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00</td>
<td>Introduction to airway resistance measurements</td>
<td>David Kaminsky (Burlington, United States of America)</td>
<td>163</td>
</tr>
<tr>
<td>14:45</td>
<td>Plethysmographic assessment of airway resistance</td>
<td>Jane Kirkby (London, United Kingdom)</td>
<td>164</td>
</tr>
<tr>
<td>15:30</td>
<td>Break</td>
<td></td>
<td>165</td>
</tr>
<tr>
<td>16:00</td>
<td>Oscillometry (FOT and IOS): definition and application</td>
<td>Waldemar Tomalak (Rabka-Zdroj, Poland)</td>
<td>166</td>
</tr>
<tr>
<td>16:45</td>
<td>Interrupter resistance</td>
<td>Peter J. F. M. Merkus (Nijmegen, Netherlands)</td>
<td>167</td>
</tr>
</tbody>
</table>
Room ICC Capital Suite  Session 51  14:00 - 17:30

Registration for this session is additional to the congress registration fee and is €140 on site, €125 standard or €95 for early bird registration.

**Postgraduate Course: PG12 Breathlessness over the life course**

**Aims:** Access educational materials here
To describe the different causes of breathlessness and how the prevalence of these causes varies depending on the age of the patient; and to incorporate the breathless patient’s perspective.

**Track(s):** Paediatric, Physiology

**Tag(s):** Clinical

**Target audience:** Allergologist, Allied health professional, Clinician, Epidemiologist, General practitioner, Junior member, Nurse, Paediatrician, Patient, Physiotherapist, Psychologist, Pulmonologist, Researcher, Respiratory physician, Respiratory therapist

**Chairs:** Bjorn Stallberg (Uppsala, Sweden), Deborah Jarvis (London, United Kingdom)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00</td>
<td>Assessment of breathlessness over the life course</td>
<td>Christer Janson (Uppsala, Sweden)</td>
</tr>
<tr>
<td>14:20</td>
<td>The breathless infant</td>
<td>Fabio Midulla (ROMA, RM, Italy)</td>
</tr>
<tr>
<td>15:00</td>
<td>The breathless teenager</td>
<td>Vibeke Backer (Copenhagen, Denmark)</td>
</tr>
<tr>
<td>15:40</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>16:00</td>
<td>The breathless adult</td>
<td>Miriam Johnson (Hull, United Kingdom)</td>
</tr>
<tr>
<td>16:40</td>
<td>Patient testimonial</td>
<td>Frankie Gibson (London, United Kingdom)</td>
</tr>
<tr>
<td>16:50</td>
<td>Breathlessness in the elderly</td>
<td>Hilary Pinnock (Edinburgh, United Kingdom)</td>
</tr>
</tbody>
</table>

Room M  Session 49  14:00 - 17:30

Registration for this session is additional to the congress registration fee and is €140 on site, €125 standard or €95 for early bird registration.

**Postgraduate Course: PG13 Inhaled antibiotics in respiratory infections**

**Aims:** Access educational materials here
To provide an update on the use of inhaled antibiotics focusing on the evidence regarding their use in both acute and chronic respiratory infections; to delineate the areas of ongoing uncertainty and areas that require additional research.

**Track(s):** Infection, Intensive care

**Tag(s):** Translational

**Target audience:** Anaesthesiologist, Clinician, Emergency medicine doctor, Fellow, General practitioner, Intensivist/critical care physician, Junior member, Microbiologist, Nurse, Paediatrician, Patient, Pharmaceutical industry representative, Physiotherapist, Pulmonologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Student, TB specialist, Trainee

**Chairs:** Aran Singanayagam (London, United Kingdom), Eva Polverino (Barcelona, Spain)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00</td>
<td>Inhaled antibiotics: strengths and fears</td>
<td>Lucy B. Palmer (New York, United States of America)</td>
</tr>
<tr>
<td>14:45</td>
<td>Inhaled antibiotics in cystic fibrosis: what we should do and what we still do not know</td>
<td>Tobias Welle (Hannover, Germany)</td>
</tr>
<tr>
<td>15:30</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>16:00</td>
<td>Inhaled antibiotics in non-cystic fibrosis bronchiectasis: better than oral antibiotics?</td>
<td>Wim G. Boersma (Alkmaar, Netherlands)</td>
</tr>
<tr>
<td>16:45</td>
<td>Inhaled antibiotics in ventilator-associated pneumonia: treatment or prophylaxis?</td>
<td>Marcos I. Restrepo (San Antonio, United States of America)</td>
</tr>
</tbody>
</table>
### Platinum Room 1+2  
**Session 47**  
14:00 - 17:30

Registration for this session is additional to the congress registration fee and is €140 on site, €125 standard or €95 for early bird registration.

**Postgraduate Course: PG14 Interventional pulmonology**

**Aims:** Access educational materials here  
To describe the major indications and therapeutic modalities in interventional pulmonology.

**Track(s):** Intensive care

**Tag(s):** Clinical

**Target audience:** Pulmonologist, Thoracic surgeon, Respiratory therapist, Respiratory physician, Clinician, Radiologist, Fellow, Resident, Oncologist, Thoracic endoscopist

**Chairs:** Michela Bezzi (Brescia, Italy), Pallav L. Shah (London, United Kingdom)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>14:00</td>
<td>Central airway obstruction: laser, APC, stents and other techniques</td>
<td>Christophe Dooms (Leuven, Belgium)</td>
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<tr>
<td>14:30</td>
<td>Haemoptysis: the endoscopic options</td>
<td>Arschang Valipour (WIEN, Austria)</td>
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<tr>
<td>15:00</td>
<td>Group assignment</td>
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<tr>
<td>15:30</td>
<td>Break</td>
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<td>131</td>
</tr>
<tr>
<td>16:00</td>
<td>Interventions for obstruction: endoscopic lung volume reduction/thermoplasty</td>
<td>Daniela Gompelmann (Heidelberg, Germany)</td>
<td>132</td>
</tr>
<tr>
<td>16:30</td>
<td>Solitary pulmonary nodules: approach options</td>
<td>Stefano Gasparini (Ancona, Italy)</td>
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<tr>
<td>17:00</td>
<td>Group assignment</td>
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### Platinum Room 3+4  
**Session 48**  
14:00 - 17:30

Registration for this session is additional to the congress registration fee and is €140 on site, €125 standard or €95 for early bird registration.

**Postgraduate Course: PG15 Muscle weakness and wasting in chronic obstructive pulmonary disease**

**Assessment and treatment**

**Aims:** Access educational materials here  
To describe the clinical importance of chronic obstructive pulmonary disease (COPD) muscle dysfunction, the risk factors, and the underlying mechanisms; to discuss the potential relationships and differences between exercise capacity and physical activity in COPD patients; to describe to what extent pulmonary rehabilitation and nutritional support may benefit patients with advanced COPD and severe comorbidities such as poor muscle function and muscle loss; to explore the mechanisms that underlie the impairment of skeletal muscle function and mass loss during acute exacerbations in COPD patients; and to describe the available strategies for treating acute exacerbation-induced muscle dysfunction and loss.

**Track(s):** Physiology

**Tag(s):** Translational

**Target audience:** Allied health professional, Clinician, Educationalist, Engineer, Fellow, General practitioner, Junior member, Lung function technician, Pharmaceutical industry representative, Physiologist, Physiotherapist, Pulmonologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Student, Trainee

**Chairs:** Pierantonio Laveneziana (Paris, France), François Maltais (Quebec, Canada)

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
<th>Page</th>
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</thead>
<tbody>
<tr>
<td>14:00</td>
<td>Clinical relevance of COPD muscle dysfunction and body composition alterations, and their risk factors and underlying mechanisms</td>
<td>Esther Barreiro Portela (Barcelona, Spain)</td>
<td>135</td>
</tr>
<tr>
<td>14:30</td>
<td>Differences between exercise capacity and physical activity in COPD: from the lungs to the periphery</td>
<td>Roberto A. Rabinovich (Edinburgh, United Kingdom)</td>
<td>136</td>
</tr>
<tr>
<td>15:00</td>
<td>Pulmonary rehabilitation and nutritional support in COPD patients with altered body composition and poor exercise capacity</td>
<td>Ioannis Vogiatzis (Athens, Greece)</td>
<td>137</td>
</tr>
<tr>
<td>15:30</td>
<td>Break</td>
<td></td>
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</tr>
</tbody>
</table>
Mechanisms underlying muscle dysfunction in COPD exacerbations
Annemie Schols (Maastricht, Netherlands)

Group assignment

Postgraduate Course: PG16 Infection control in epidemics: strengthening the evidence base for healthcare workers and the public
Joint PREPARE/ECDC course
Aims: Access educational materials here
To provide an overview of the essential evidence to prevent and manage infectious disease epidemics, incorporating new information from influenza, Ebola and MERS epidemics.

Track(s): Infection
Tag(s): Clinical
Target audience: Respiratory physician, Intensivist/critical care physician, Microbiologist, Allied health professional, Public health official, Scientist, General practitioner, Physiotherapist, Emergency medicine doctor, Epidemiologist, Immunologist, Nurse, Pulmonologist

Chairs: Anita Simonds (London, United Kingdom), Pasi Penttinen (Stockholm, Sweden)

Protecting healthcare workers in epidemics and pandemics: the experience from MERS and Ebola
Pieter Fraaij (Rotterdam, Netherlands)

The role of epidemic intelligence and surveillance in predicting and managing epidemics
Thomas Mollet (Solna, Sweden)

Break

Fusing ICU clinical care and clinical research in severe community acquired pneumonia
Jean-Daniel Chiche (Paris, France)

Fast track trials for drug and vaccine development
Laura Fregonese (London, United Kingdom)

Postgraduate Course: PG17 Pulmonary haemodynamics during exercise

Aims: Access educational materials here
To describe the pathophysiological background of right heart catheterisation (RHC) and provide a full comprehensive update on the use of RHC for studying the pulmonary circulation; to describe practical issues regarding the assessment and interpretation of exercise pulmonary haemodynamics with a focus on the reliability and correct interpretation of measurements taken during exercise, zeroing, respiratory swings, normal responses, and different pathological patterns; to discuss from a practical point of view the role of non-invasive methods in assessing exercise pulmonary haemodynamics; and to incorporate the pulmonary arterial hypertension patient's perspective.

Track(s): Physiology
Tag(s): Clinical
Target audience: Cardiologist, Fellow, Junior member, Pulmonologist, Student, Trainee

Chairs: Marion Delcroix (Leuven, Belgium), Irene Lang (Vienna, Austria)

Pathophysiology of the pulmonary circulation
Robert Naeije (Beersel, Belgium)

Right heart catheterisation: how to avoid the most common mistakes
Michele D'Alto (Naples, Italy)

Break

Right heart catheterisation for assessing pulmonary exercise haemodynamics
Gabor Kovacs (Graz, Austria), Pisana Ferrari (Milan, Italy)

Non-invasive methods for assessing pulmonary exercise haemodynamics
Andrew Peacock (Glasgow, United Kingdom)
Registration for this session is additional to the congress registration fee and is €140 on site, €125 standard or €95 for early bird registration.

**Postgraduate Course: PG18 Sleep apnoea and comorbidities**

**Aims**: Access educational materials here  
To provide an update on the interaction of common comorbidities in sleep apnoea patients and the clinical consequences of the association.

**Track(s)**: [Sleep](#)  
**Tag(s)**: Clinical  
**Target audience**: Clinician, Educationalist, General practitioner, Junior member, Nurse, Public health official, Pulmonologist, Resident, Respiratory physician, Sleep specialist/technologist, Trainee  
**Chairs**: Maria Bonsignore (Palermo, Italy), Sophia E. Schiza (Heraklion, Greece)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Location</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00</td>
<td>Obstructive sleep apnoea and heart failure</td>
<td>Olaf Oldenburg (Bad Oeynhausen, Germany)</td>
<td>Room ICC Capital Suite</td>
<td>158</td>
</tr>
<tr>
<td>14:45</td>
<td>Sleep apnoea and diabetes: a complex relationship</td>
<td>Mary Ip (Hong Kong, Hong Kong)</td>
<td>Room ICC Capital Suite</td>
<td>159</td>
</tr>
<tr>
<td>15:30</td>
<td>Break</td>
<td></td>
<td></td>
<td>160</td>
</tr>
<tr>
<td>16:00</td>
<td>Obstructive sleep apnoea and coronary artery disease</td>
<td>Yuksel Peker (Istanbul, Turkey)</td>
<td>Room ICC Capital Suite</td>
<td>161</td>
</tr>
<tr>
<td>16:45</td>
<td>Obstructive sleep apnoea and COPD: can we use autotitrating ventilatory devices?</td>
<td>Patrick B. Murphy (Oxted, United Kingdom)</td>
<td>Room ICC Capital Suite</td>
<td>162</td>
</tr>
</tbody>
</table>

Registration for this session is additional to the congress registration fee and is €140 on site, €125 standard or €95 for early bird registration.

**Postgraduate Course: PG19 The lung in the septic critically-ill patient**

**Aims**: Access educational materials here  
To provide an update on the pathobiology of sepsis and the septic lung and how to support and treat septic critically-ill patients.

**Track(s)**: [Intensive care](#)  
**Tag(s)**: Clinical  
**Target audience**: Clinician, Fellow, Intensivist/critical care physician, Nurse, Physiotherapist, Pulmonologist, Resident, Respiratory physician, Respiratory therapist, Trainee  
**Chairs**: Anastasia Kotanidou (Marousi, Greece), Antonio Artigas (Sabadell, Spain)

<table>
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<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Location</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>14:00</td>
<td>The phenomenon of sepsis and the lung</td>
<td>Stylianos Orfanos (Athens, Greece)</td>
<td>Room ICC Capital Suite</td>
<td>168</td>
</tr>
<tr>
<td>15:30</td>
<td>Break</td>
<td></td>
<td></td>
<td>170</td>
</tr>
<tr>
<td>16:00</td>
<td>How to treat the septic lung in critically-ill patients</td>
<td>Antoni Torres Marti (Barcelona, Spain)</td>
<td>Room ICC Capital Suite</td>
<td>169</td>
</tr>
<tr>
<td>16:45</td>
<td>Fungal lung infections in critically-ill patients</td>
<td>Stijn Blot (Ghent, Belgium)</td>
<td>Room ICC Capital Suite</td>
<td>171</td>
</tr>
</tbody>
</table>

Registration for this session is additional to the congress registration fee and is €140 on site, €125 standard or €95 for early bird registration.

**Postgraduate Course: PG20 Thymic tumours**
**Aims**: Access educational materials here
To highlight the most important aspects of thymic tumours, namely, their classification, staging, the treatment options, and the assessment of treatment response; to address the role of surgery given the increasing availability of minimally-invasive video-assisted procedures for treating thymic tumours; and to learn how to apply in practice the structured approach to these patients, starting with the first contact with them.

**Track(s)**: Oncology

**Tag(s)**: Clinical

**Target audience**: Clinician, Junior member, Pathologist, Pulmonologist, Radiologist, Thoracic surgeon, Trainee

**Chairs**: Marco Lucchi (Pisa, Italy), Dragan R. Subotic (Belgrade, Republic of Serbia)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker/Institution</th>
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</thead>
<tbody>
<tr>
<td>14:00</td>
<td>Modern definition of mediastinal compartments and the current approach to patients with an anterior mediastinal mass</td>
<td>Pier Luigi Filosso (Castellamonte, Italy)</td>
</tr>
<tr>
<td>14:45</td>
<td>Current histological classification and staging of thymomas</td>
<td>Thomas Tousseyn (Leuven, Belgium)</td>
</tr>
<tr>
<td>15:30</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>16:00</td>
<td>Treatment for thymic epithelial</td>
<td>Nicolas Girard (Bron, France)</td>
</tr>
<tr>
<td>16:45</td>
<td>Surgery in thymic tumours</td>
<td>Walter Klepetko (WIEN, Austria)</td>
</tr>
</tbody>
</table>

**Room L**

Session 19 09:00 - 11:05

**Session: China Session I**

**New perspectives in respiratory medicine**

**Aims**: The session will present and discuss the new advances in respiratory medicine presented by experienced speakers from the ERS leadership and China. The session will offer participants an overview on pulmonary vascular medicine, sleep disorders, interventional respiratory medicine, COPD and tuberculosis, and the possibility to discuss similarities and differences in Europe and China.

**Chairs**: Guy F Joos (Ghent, Belgium), NanShan Zhong (Guangzhou, China)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker/Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00</td>
<td>The diagnose and intervention of early-stage COPD</td>
<td>NanShan Zhong (Guangzhou, China)</td>
</tr>
<tr>
<td>09:25</td>
<td>Asthma control: how can it be improved</td>
<td>Guy F Joos (Ghent, Belgium)</td>
</tr>
<tr>
<td>09:50</td>
<td>The research progress on pulmonary vascular diseases in China</td>
<td>Zhenguo Zhai (Beijing, China)</td>
</tr>
<tr>
<td>10:15</td>
<td>2016 China Guideline of Asthma Diagnosis and Management</td>
<td>Huahao Shen (Hangzhou, China)</td>
</tr>
<tr>
<td>10:40</td>
<td>Break</td>
<td></td>
</tr>
</tbody>
</table>

**Room P**

Session 20 09:00 - 10:30

**Session: Primary Care Day: challenging times I**

**Clinical challenges in day-to-day primary care**

**Aims**: The following challenges in primary care will be discussed: getting the right diagnosis; assessing the whole patient, especially in cases of multiple morbidities; changing patient behaviour (adherence, smoking); dealing with changing systems/organisations; and getting our head around the future (particularly with regard to personalised medicine). This first session of the ERS Primary Care day addresses three common challenge that we face in daily practice.

**Chairs**: Esther Metting (Groningen, Netherlands), Andrew Whittamore (Southampton, United Kingdom)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker/Institution</th>
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</thead>
<tbody>
<tr>
<td>09:00</td>
<td>The challenge of getting the right diagnosis: asthma and COPD, new diagnostic possibilities</td>
<td>Thys Van Der Molen (Groningen, Netherlands)</td>
</tr>
<tr>
<td>09:30</td>
<td>The challenge of multi-morbidity: assessing and managing the whole patient</td>
<td>Ioanna Tsiglianni (Heraklion, Crete, Greece)</td>
</tr>
<tr>
<td>10:00</td>
<td>The challenge of adherence: recognising and addressing poor adherence (in time limited consultations)</td>
<td>Rob Horne (London, United Kingdom)</td>
</tr>
</tbody>
</table>
No Room  
**Session 13**  
10:00 - 18:00

**Public: Healthy Lungs for life public lung function testing on Trafalger Square**

**Aims:** To test the lung health of the people of London and educate them about the importance of clean air.

---

Room P  
**Session 34**  
11:00 - 12:20

**Session: Primary Care Day: challenging times II**

**Taking up the challenge**

**Aims:** The following challenges in primary care will be discussed: getting the right diagnosis; assessing the whole patient, especially in cases of multiple morbidities; changing patient behaviour (adherence, smoking); dealing with changing systems/organisations; and getting our head around the future (particularly with regard to personalised medicine). The second session of the day addresses four approaches to addressing challenges.

**Tag(s):** Healthy Lungs for Life (HLfL)

**Chairs:** Jaime Correia de Sousa (Porto, Portugal), Jacqui Cooper (Nottingham, United Kingdom)

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00</td>
<td>Leading quality in primary care: GPwSIs in the Netherlands</td>
<td>Erik Bischoff (Nijmegen, Netherlands)</td>
</tr>
<tr>
<td>11:20</td>
<td>Promoting Fresh Air: addressing smoking cessation and indoor pollution</td>
<td>Niels H. Chavannes (Leiden, Netherlands)</td>
</tr>
<tr>
<td>11:40</td>
<td>Evaluating implementation: a framework for implementation science</td>
<td>Hilary Pinnock (Edinburgh, United Kingdom)</td>
</tr>
<tr>
<td>12:00</td>
<td>Developing a primary healthcare service: improving quality and status of family medicine</td>
<td>Jo Buchanan (Sheffield, United Kingdom)</td>
</tr>
</tbody>
</table>

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Room K  
**Session 35**  
11:00 - 17:00

**Patient: ELF Patient organisation network day**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:30</td>
<td>WELCOME</td>
<td>Dan Smyth (Dundalk, Ireland), Speaker to be confirmed</td>
</tr>
</tbody>
</table>

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Room L  
**Session 37**  
11:05 - 12:45

**Session: China Session II**

**New perspectives in respiratory medicine**

**Aims:** The session will present and discuss the new advances in respiratory medicine presented by experienced speakers from the ERS leadership and China. The session will offer participants an overview on pulmonary vascular medicine, sleep disorders, interventional respiratory medicine, COPD and tuberculosis, and the possibility to discuss similarities and differences in Europe and China.

**Chairs:** Jørgen Vestbo (Manchester, United Kingdom), Chen Wang (Beijing, China)

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker(s)</th>
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</thead>
<tbody>
<tr>
<td>11:05</td>
<td>The prevalence of COPD in China: data from the latest national survey</td>
<td>Chen Wang (Beijing, China)</td>
</tr>
<tr>
<td>11:30</td>
<td>Prevention and management of COPD exacerbations</td>
<td>Jørgen Vestbo (Manchester, United Kingdom)</td>
</tr>
<tr>
<td>11:55</td>
<td>Establish the standardised diagnose and treatment system of sleeping apnoea in China</td>
<td>Fang Han (Beijing, China)</td>
</tr>
<tr>
<td>12:20</td>
<td>New perspectives in MDR-TB management</td>
<td>Giovanni Battista Migliori (Varese, Italy)</td>
</tr>
</tbody>
</table>

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Room K  
**Session**  
12:30 - 13:00

**Patient: Networking lunch for the ELF Patient Organisation Networking Day**

**Aims:** An informal opportunity to chat and meet with European Patient organisations - this is completely optional to attend.

---

Room A  
**Session 41**  
13:00 - 15:00

**Session: ERS/French Programme I**

**Innovative treatments and new concepts in respiratory medicine: the future looks bright indeed!**
### Aims
The aim of this session is to provide an updated overview of new therapeutics in various fields of respiratory medicine. Future drugs and strategies that might develop within the next 5 years will also be presented and discussed by internationally recognised experts. Note that the presentations will be conducted in French with dual projection of slides in French and English.

**Target audience:** Clinician

**Chairs:** Elisabeth H.D. Bel (Amsterdam, Netherlands), Philippe Delaval (Cesson-Sevigne, France)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter</th>
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</thead>
<tbody>
<tr>
<td>13:00</td>
<td>Réduction volumique par spirales dans le traitement de l’emphysème sévère</td>
<td>Gaëtan Deslee (REIMS, France)</td>
</tr>
<tr>
<td>13:30</td>
<td>Médecine personnalisée et BPCO : où en sommes-nous ?</td>
<td>Nicolas Roche (Paris, France)</td>
</tr>
<tr>
<td>14:00</td>
<td>A la recherche des empreintes digitales de l’asthme</td>
<td>Kian Fan Chung (London, United Kingdom)</td>
</tr>
<tr>
<td>14:30</td>
<td>Syndrome obésité-hypoventilation : de la physiologie au traitement</td>
<td>Jean-Paul Janssens (Genève, Switzerland)</td>
</tr>
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<thead>
<tr>
<th>Room</th>
<th>Session 43</th>
<th>13:15 - 17:30</th>
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<tbody>
<tr>
<td>Room L</td>
<td>Session: Russian Session</td>
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<tr>
<td></td>
<td>Idiopathic pulmonary fibrosis</td>
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</tr>
<tr>
<td>Aims</td>
<td>The objective of this programme is to discuss epidemiology, pathology, diagnosis and management of idiopathic pulmonary fibrosis. Note that presentations will be presented also in Russian. Dual projection of the slides will be available in English and Russian.</td>
<td></td>
</tr>
<tr>
<td>Chairs</td>
<td>Alexander G. Chuchalin (Moscow, Russian Federation), Katerina Antoniou (Heraklion, Crete, Greece)</td>
<td></td>
</tr>
<tr>
<td>13:15</td>
<td>Idiopathic pulmonary fibrosis: classification, epidemiology, course and prognosis</td>
<td>Katerina Antoniou (Heraklion, Crete, Greece)</td>
</tr>
<tr>
<td>13:45</td>
<td>Pathology of idiopathic interstitial pneumonias</td>
<td>Evgenia Kogan (Moscow, Russian Federation)</td>
</tr>
<tr>
<td>14:15</td>
<td>Approach to diagnosis of idiopathic pulmonary fibrosis</td>
<td>Ulrich Costabel (ESSEN, Germany)</td>
</tr>
<tr>
<td>14:45</td>
<td>Imaging of idiopathic pulmonary fibrosis</td>
<td>Igor Tyurin (Moscow, Russian Federation)</td>
</tr>
<tr>
<td>15:15</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>15:30</td>
<td>Medication therapy of idiopathic pulmonary fibrosis</td>
<td>Luca Richeldi (Southampton, United Kingdom)</td>
</tr>
<tr>
<td>16:00</td>
<td>Lung transplantation in idiopathic pulmonary fibrosis</td>
<td>Alexander G. Chuchalin (Moscow, Russian Federation), Evgeny Tarabrin (Moscow, Russian Federation)</td>
</tr>
<tr>
<td>16:30</td>
<td>Exacerbation of idiopathic pulmonary fibrosis</td>
<td>Sergey Avdeev (Moscow, Russian Federation)</td>
</tr>
<tr>
<td>17:00</td>
<td>Registry of idiopathic pulmonary fibrosis patients</td>
<td>Martina Vašáková (Prague, Czech Republic)</td>
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<table>
<thead>
<tr>
<th>Room P</th>
<th>Session 44</th>
<th>13:30 - 14:30</th>
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<tbody>
<tr>
<td>Room P</td>
<td>Session: Primary Care Day: challenging times III</td>
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<tr>
<td>Aims</td>
<td>The following challenges in primary care will be discussed: getting the right diagnosis; assessing the whole patient, especially in cases of multiple morbidities; changing patient behaviour (adherence, smoking); dealing with changing systems/organisations; and getting our head around the future (particularly with regard to personalised medicine). The third session of the day highlights three innovative approaches for the future.</td>
<td></td>
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<tr>
<td>Chairs</td>
<td>Janwillem Kocks (Groningen, Netherlands), Karin Lisspers (Gagnef, Sweden)</td>
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<tr>
<td>13:30</td>
<td>Developing tomorrow's leaders: UK respiratory leaders programme</td>
<td>Noel Baxter (London, United Kingdom)</td>
</tr>
</tbody>
</table>
13:50 Using big data to change healthcare: improving quality of care with routine data
Brendan Delaney (London, United Kingdom)

14:10 Tomorrow’s medicine today: overview of personalised medicine and insights into tomorrow’s world
Alvar Agusti Garcia-Navarro (Barcelona, Spain)

Prince Regent Room  Session 46  14:00 - 17:00

HERMES examination: HERMES Examinations in Adult and Paediatric Medicine
Chairs: Silvia Ulrich (Zürich, Switzerland), Robert Primhak (Sheffield, United Kingdom)

Room P  Session 64  15:00 - 16:30

Session: Primary Care Day: challenging times IV
Grand Round
Aims: The following challenges in primary care will be discussed: getting the right diagnosis; assessing the whole patient, especially in cases of multiple morbidities; changing patient behaviour (adherence, smoking); dealing with changing systems/organisations; and getting our head around the future (particularly with regard to personalised medicine). The final session of the day builds on the insights of the day to consider solutions for familiar clinical challenges.

15:00 Challenges and solutions from primary care clinical practice: interactive case presentations
Iain Small (Peterhead, United Kingdom), Miguel Roman-Rodriguez (Palma de Mallorca, Spain)

Room A  Session 67  15:30 - 17:30

Session: ERS/French Programme II
Guidelines, new diagnostic & therapeutic tools to help pulmonologists: all the reasons why we cannot ignore them anymore
Aims: This session will focus on new diagnostic tools and therapeutic approaches that will help pulmonologists to treat or prevent respiratory disorders. It will also cover therapeutic aspects in pulmonary hypertension and intensive care medicine. Note that the presentations will be conducted in French with dual projection of slides in French and English.
Target audience: Clinician
Chairs: François Chabot (Vandoeuvre-les-Nancy, France), Guy F Joos (Ghent, Belgium)

15:30 Recommandations européennes ERS/ESC pour le diagnostic et la prise en charge de l’hypertension pulmonaire
Marc Humbert (Paris, France)

16:00 La diffusion pulmonaire du monoxyde d’azote (DLNO): des recommandations pratiques aux applications cliniques
Anh Tuan Dinh-Xuan (Paris, France)

16:30 Fibrose pulmonaire idiopathique: de la détection précoce au traitement
Vincent Cottin (Lyon, France)

17:00 Nouvelles perspectives thérapeutiques dans la tuberculose multi-résistante
Giovanni Battista Migliori (Varese, Italy)

Room ICC Capital Suite 6  Session 69  17:00 - 17:50

Group members' meeting: 7.1 Paediatric respiratory physiology
Chairs: Graham Hall (West Perth, Australia), Refika Hamutcu Ersu (Istanbul, Turkey)
Room ICC Capital Suite 7  Session 90  07:00 - 08:15
Registration for this session is additional to the congress registration fee and is €100 on site, €90 standard or €70 for early bird registration.

Challenging clinical cases: CC1 Breathless cases

**Aims:** Access educational materials here
To describe the mechanisms by which hypoxia is sensed in the body, the many effects of hypoxia or abnormal hypoxia sensing on the body and its clinical consequences; to provide a diagnostic strategy that is based on physiological reasoning; to discuss therapeutic approaches and the important role of iron; to show whether breathlessness is due to hypoxia or abnormal hypoxia sensing.

**Track(s):** Physiology

**Tag(s):** Clinical

**Target audience:** Cardiologist, Fellow, General practitioner, Intensivist/critical care physician, Physiologist, Pulmonologist, Resident, Respiratory physician, Scientist, Student, Trainee

**Chairs:** Sean Gaine (Dublin, Ireland)

| Living at high altitude in the Netherlands  
Anton Vonk Noordegraaf (Amsterdam, Netherlands) |
|------------------------------------------------|
| How low can you go  
Luke Howard (London, United Kingdom) |

Room C  Session 83  07:00 - 08:15
Registration for this session is additional to the congress registration fee and is €100 on site, €90 standard or €70 for early bird registration.

Challenging clinical cases: CC2 Children’s interstitial lung disease

**Working through clinical conundrums with the ChILD-EU team**

**Aims:** Access educational materials here
To demonstrate and promote the benefits of proactive interactions between specialists in rare lung diseases in children; to help clinicians from countries that are not currently linked to ChILD-EU; to present difficult cases for expert review; and to increase understanding of ChILD conditions and how interactions between clinical, genetic, radiological, and histopathological specialists can help to reach a diagnosis; to provide a patient's perspective on the ChILD project.

**Track(s):** Paediatric

**Tag(s):** Clinical

**Target audience:** Allied health professional, Clinician, Junior member, Lung function technician, Neonatologist, Nurse, Paediatrician, Pathologist, Patient, Pharmaceutical industry representative, Physiologist, Pulmonologist, Radiologist, Researcher, Trainee

**Chairs:** Matthias Griese (Munich, Germany), Martin Rosewich (Bad Homburg, Germany)

| Introduction by chairman  
Matthias Griese (Munich, Germany) |
|-------------------------------|
| How radiology can help to diagnose ChILD  
Alistair Calder (London, United Kingdom) |
|-------------------------------------------|
| A logical approach to the histology of ChILD  
Aurore Coulomb L'Hermine (Paris, France) |

Room ICC Capital Suite 17  Session 107  08:00 - 10:20
Registration for this session is additional to the congress registration fee and is €100 on site, €90 standard or €70 for early bird registration.

Skills workshop: SW4 Difficult airway management in an intensive care unit

**Difficult intubation**

**Aims:** Access educational materials here
To provide an opportunity to receive hand-on training for managing difficult airways with supraglottic devices, fiberoptic techniques, and video-assisted intubation.

**Track(s):** Intensive care

**Tag(s):** Clinical

**Target audience:** Anaesthesiologist, Clinician, Emergency medicine doctor, Fellow, Intensivist/critical care physician, Pulmonologist, Resident, Respiratory physician, Respiratory therapist, Thoracic surgeon

**Chairs:** Mohamed El Tahan (Dammam, Saudi Arabia)
### Introduction

#### Workstation 1: Supraglottic devices in difficult airways: tricks and traps
Laszlo Szegedi (Brussels, Belgium)

#### Workstation 2: Nasal and oral fiberoptic intubation for elective intubation
Marcelo Gama da Abreu (Dresden, Germany)

#### Workstation 3: Video-assisted intubation (1)

#### Workstation 4: Video-assisted intubation (2)

---

### Skills workshop: SW5 Thoracic ultrasound - FULLY BOOKED

**Aims:** Access educational materials here
To provide participants with an update on thoracic ultrasound knowledge and an opportunity to practise basic hands-on skills using training models, simulators, volunteers and patients.

**Tag(s):** Clinical

**Target audience:** Fellow, Pulmonologist, Radiologist, Resident, Respiratory physician, Respiratory therapist, Thoracic surgeon

**Chairs:** Nick Maskell (Bristol, United Kingdom)

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### Introduction

#### Workstation 1: The normal human thoracic cavity
Valentina Pinelli (Brescia, Italy), Ioannis Psallidas (Oxford, United Kingdom)

#### Workstation 2: Pleural effusion and/or pleural thickening
Liju Ahmed (London, United Kingdom), Kevin Blyth (GLASGOW, United Kingdom)

#### Workstation 3: Case studies
John Wrightson (Oxford, United Kingdom)

#### Workstation 4: Guided pleural aspiration and lymph node biopsy using models
Rahul Bhatnagar (Bristol, United Kingdom), Nick Maskell (Bristol, United Kingdom), Duneesha De Fonseka (Bristol, United Kingdom)

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### Room ICC Capital Suite 4 Session 108 08:00 - 10:20

Registration for this session is additional to the congress registration fee and is €100 on site, €90 standard or €70 for early bird registration.

**Skills workshop: SW6 Difficult airway management in an intensive care unit**

**Difficult intubation**

**Aims:** Access educational materials here
To provide an opportunity to receive hand-on training for managing difficult airways with supraglottic devices, fiberoptic techniques, and video-assisted intubation.

**Track(s):** Intensive care

**Tag(s):** Clinical

**Chairs:** Cesare Gregoretti (TORINO, TO, Italy)

---

### Introduction

#### Workstation 1: Supraglottic devices in difficult airways: tricks and traps
Christian Bruells (Aachen, Germany)

#### Workstation 2: Nasal and oral fiberoptic intubation for elective intubation
Nandor Marczin (Harefield, United Kingdom)

#### Workstation 3: Video-assisted intubation (1)
Mohamed El Tahan (Dammam, Saudi Arabia)

#### Workstation 4: Video-assisted intubation (2)
**Room ICC Capital Suite 4  Session 138  10:40 - 13:00**

Registration for this session is additional to the congress registration fee and is €100 on site, €90 standard or €70 for early bird registration.

**Skills workshop: SW7 Thoracic ultrasound - FULLY BOOKED**

**Aims:** Access educational materials here

To provide participants with an update on thoracic ultrasound knowledge and an opportunity to practise basic hands-on skills using training models, simulators, volunteers and patients.

**Tag(s):** Clinical

**Target audience:** Fellow, Pulmonologist, Radiologist, Resident, Respiratory physician, Respiratory therapist, Thoracic surgeon

**Chairs:** Nick Maskell (Bristol, United Kingdom)

<table>
<thead>
<tr>
<th>Introduction</th>
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<tbody>
<tr>
<td>Workstation 1: The normal human thoracic cavity</td>
</tr>
<tr>
<td>Kevin Blyth (GLASGOW, United Kingdom), Fergus Gleeson (Oxford, United Kingdom)</td>
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<tr>
<td>Workstation 2: Pleural effusion and/or pleural thickening</td>
</tr>
<tr>
<td>Liju Ahmed (London, United Kingdom), Horiana Grosu (Houston, United States of America)</td>
</tr>
<tr>
<td>Workstation 3: Case studies</td>
</tr>
<tr>
<td>Najib M. Rahman (Oxford, United Kingdom)</td>
</tr>
<tr>
<td>Workstation 4: Guided pleural aspiration and lymph node biopsy using models</td>
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<tr>
<td>Rahul Bhatnagar (Bristol, United Kingdom), Coenraad Frederik Nicolaas Koegelenberg (Cape Town, South Africa), Nick Maskell (Bristol, United Kingdom)</td>
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</table>

**Room ICC Capital Suite 17  Session 231  14:30 - 16:50**

Registration for this session is additional to the congress registration fee and is €100 on site, €90 standard or €70 for early bird registration.

**Skills workshop: SW8 Difficult airway management in an intensive care unit**

**Difficult intubation**

**Aims:** Access educational materials here

To provide an opportunity to receive hand-on training for managing difficult airways with supraglottic devices, fiberoptic techniques, and video-assisted intubation.

**Track(s):** Intensive care

**Tag(s):** Clinical

**Chairs:** Nandor Marczin (Harefield, United Kingdom)

<table>
<thead>
<tr>
<th>Introduction</th>
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<tbody>
<tr>
<td>Workstation 1: Supraglottic devices in difficult airways: tricks and traps</td>
</tr>
<tr>
<td>Laszlo Szegedi (Brussels, Belgium)</td>
</tr>
<tr>
<td>Workstation 2: Nasal and oral fiberoptic intubation for elective intubation</td>
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<tr>
<td>Marcelo Gama de Abreu (Dresden, Germany)</td>
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<tr>
<td>Workstation 3: Video-assisted intubation (1)</td>
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<tr>
<td>Christian Bruells (Aachen, Germany)</td>
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<td>Workstation 4: Video-assisted intubation (2)</td>
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**Room ICC Capital Suite 4  Session 232  14:30 - 16:50**

Registration for this session is additional to the congress registration fee and is €100 on site, €90 standard or €70 for early bird registration.

**Skills workshop: SW9 Thoracic ultrasound - FULLY BOOKED**

**Aims:** Access educational materials here

To provide participants with an update on thoracic ultrasound knowledge and an opportunity to practise basic hands-on skills using training models, simulators, volunteers and patients.

**Tag(s):** Clinical

**Target audience:** Fellow, Pulmonologist, Radiologist, Resident, Respiratory physician, Respiratory therapist, Thoracic surgeon

**Chairs:** Najib M. Rahman (Oxford, United Kingdom)
### Workstation 1: The normal human thoracic cavity
Fergus Gleeson (Oxford, United Kingdom), Konstantina Kontogianni (Heidelberg, Germany)

### Workstation 2: Pleural effusion and/or pleural thickening
Ioannis Psallidas (Oxford, United Kingdom), Horiana Grosu (Houston, United States of America)

### Workstation 3: Case studies
John Wrightson (Oxford, United Kingdom)

### Workstation 4: Guided pleural aspiration and lymph node biopsy using models
Coenraad Frederik Nicolaas Koegelenberg (Cape Town, South Africa), Duneesha De Fonseka (Bristol, United Kingdom), Najib M. Rahman (Oxford, United Kingdom)

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### Room ICC Capital Suite 6  Session 217  13:00 - 14:00

**Meet the expert: ME1 Biomarkers for interstitial lung disease - FULLY BOOKED**

**Aims:** Access educational materials here
To critically review the most recent findings in interstitial lung disease (ILD) biomarker research including discovery tools; and to understand how biomarkers could be used to clinically manage specific forms of ILD such as idiopathic pulmonary fibrosis (IPF) or connective tissue disease (CTD)-ILD.

**Tag(s):** Translational

**Target audience:** Immunologist, Pharmaceutical industry representative, Pulmonologist, Researcher, Resident, Scientist

**13:00  Biomarkers for interstitial lung disease**
Martin Kolb (Hamilton, Canada)

### Room ICC Capital Suite 13  Session 216  13:00 - 14:00

**Meet the expert: ME2 New treatment approaches for idiopathic pulmonary fibrosis - FULLY BOOKED**

**Aims:** Access educational materials here
To review the drug development landscape for idiopathic pulmonary fibrosis (IPF) in the light of the newly approved anti-fibrotic drugs pirfenidone and nintedanib; and to discuss the preclinical, methodological, and clinical challenges in IPF drug development.

**Tag(s):** Translational

**Target audience:** Clinician, Pulmonologist, Researcher, Respiratory physician, Scientist, Trainee

**13:00  New treatment approaches for IPF**
Luca Richeldi (Southampton, United Kingdom)

### Room ICC Capital Suite 15  Session 218  13:00 - 14:00

**Meet the expert: ME3 Fiberoptic bronchoscopy in children**

**Aims:** Access educational materials here
To describe the more common indications for fiberoptic bronchoscopy in children; to review the risks and benefits of fiberoptic bronchoscopy for the patient.

**Track(s):** Paediatric

**Tag(s):** Clinical

**Target audience:** Otolaryngologist, Paediatrician, Pulmonologist, Student, Junior member, Fellow

**13:00  Fiberoptic bronchoscopy in children**
Angelo Barbato (Padova, PD, Italy)
**Meet the expert: ME4 Pulmonary arteriovenous malformations**  
**Including hereditary haemorrhagic telangiectasia**  

**Aims:** Access educational materials here  
To understand the risks posed by pulmonary arteriovenous malformations (PAVMs); to know how to initiate the appropriate management for patients with PAVMs when they present with symptoms or when the PAVM is found incidentally by chest radiography or thoracic computer tomography scanning; to be able to apply the different management principles for hypoxaemia and polycythemia in PAVMs compared to other respiratory diseases and be able to recognise the additional challenges that are posed by hereditary haemorrhagic telangiectasia (HHT), which frequently associates with PAVM. A patient participant will be included in the session.

**Track(s):** Pediatric  
**Tag(s):** Clinical  

**Target audience:** Clinician, Emergency medicine doctor, Fellow, General practitioner, Lung function technician, Otolaryngologist, Paediatrician, Patient, Physiologist, Pulmonologist, Radiologist, Resident, Respiratory physician, Student, Thoracic surgeon

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<th>Time</th>
<th>Session</th>
<th>Room ICC Capital Suite</th>
<th>13:00 - 14:00</th>
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<tr>
<td>13:00</td>
<td>Session 215</td>
<td>Room ICC Capital Suite</td>
<td>13:00 - 14:00</td>
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Registration for this session is additional to the congress registration fee and is €100 on site, €90 standard or €70 for early bird registration.

Meet the expert: ME4 Pulmonary arteriovenous malformations  
Including hereditary haemorrhagic telangiectasia

**Aims:** Access educational materials here  
To understand the risks posed by pulmonary arteriovenous malformations (PAVMs); to know how to initiate the appropriate management for patients with PAVMs when they present with symptoms or when the PAVM is found incidentally by chest radiography or thoracic computer tomography scanning; to be able to apply the different management principles for hypoxaemia and polycythemia in PAVMs compared to other respiratory diseases and be able to recognise the additional challenges that are posed by hereditary haemorrhagic telangiectasia (HHT), which frequently associates with PAVM. A patient participant will be included in the session.

**Track(s):** Pediatric  
**Tag(s):** Clinical  

**Target audience:** Clinician, Emergency medicine doctor, Fellow, General practitioner, Lung function technician, Otolaryngologist, Paediatrician, Patient, Physiologist, Pulmonologist, Radiologist, Resident, Respiratory physician, Student, Thoracic surgeon

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<tr>
<th>Time</th>
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<th>Room ICC Capital Suite</th>
<th>13:00 - 14:00</th>
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<tbody>
<tr>
<td>13:00</td>
<td>Pulmonary arteriovenous malformations</td>
<td>Claire Shovlin (London, United Kingdom)</td>
<td>1420</td>
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</tbody>
</table>

Room J  
Session 98  
07:30 - 08:20  

**Group members' meeting: 6.2 Occupational and environmental health**  
**Chairs:** Paul Blanc (San Francisco, United States of America), Paul Cullinan (London, United Kingdom)

Room ICC Capital Suite 8  
Session 100  
07:30 - 08:20  

**Group members' meeting: 1.1 Clinical Problems**  
**Chairs:** Mohankumar Thekkinkattil (COIMBATORE (TAMIL NADU), India), Laura Fregonese (London, United Kingdom)

Room ICC Capital Suite 9  
Session 102  
07:30 - 08:20  

**Group members' meeting: 1.3 Imaging**  
**Chairs:** Aleksandar Grgic (Homburg/Saar, Germany), Johan Coolen (Leuven, Belgium)

Room H  
Session 103  
07:30 - 08:20  

**Group members’ meeting: 6.3 Tobacco, smoking control and health education**  
**Chairs:** Paraskevi Katsaounou (Athens, Greece), Sofia Ravara (Covilhã, Portugal)

Room ICC Capital Suite 13  
Session 104  
07:30 - 08:20  

**Group members' meeting: 5.2 Monitoring airway disease**  
**Chairs:** Stylianos Loukides (Voula, Athens, Greece), Jose Luis Lopez-Campos Bodineau (Seville, Spain)

Room ICC Capital Suite 15  
Session 105  
07:30 - 08:20  

**Group members’ meeting: 5.3 Allergy and immunology**
### ICC Auditorium  
**Session 109**  
**08:30 - 10:30**  
**Year in review: Scientific Year in Review 2016**  
**Aims:** This session will provide a state-of-the-art update on key scientific topics in the respiratory field.  
**Tag(s):** Translational  
**Chairs:** Christian M. Kähler (Wangen im Allgäu, Germany), Stefano Aliberti (Milano, MI, Italy)

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<thead>
<tr>
<th>Time</th>
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<th>Speaker/Institution</th>
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<tbody>
<tr>
<td>08:30</td>
<td>Ceremony for the ERS Romain Pauwels Research Award</td>
<td>Soni Savai Pullamsetti (Bad Nauheim, Germany), Stefano Aliberti (Milano, MI, Italy)</td>
</tr>
<tr>
<td>08:40</td>
<td>From the bench: promising new targets and molecules</td>
<td>Ian M. Adcock (London, United Kingdom)</td>
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<tr>
<td>09:07</td>
<td>From the bedside: upcoming new clinical strategies</td>
<td>Oliver Eickelberg (Munich, Germany)</td>
</tr>
<tr>
<td>09:34</td>
<td>Drug development: news from &quot;hot&quot; phase II trials</td>
<td>Bruno Crestani (Paris, France)</td>
</tr>
<tr>
<td>10:01</td>
<td>What the scientific world is talking about in 2016: &quot;The Lung Microbiome&quot;</td>
<td>Robert Dickson (Ann Arbor, United States of America)</td>
</tr>
</tbody>
</table>

### Room E  
**Session 110**  
**08:30 - 10:30**  
**Symposium: COPD case-finding: how can we find the missing millions?**  
**Aims:** The aim of this session is to summarise and discuss the latest findings regarding the identification of patients with undiagnosed but symptomatic COPD. The session will include a review of studies evaluating the clinical- and cost-effectiveness of different COPD case-finding approaches; an overview of the algorithms that have been derived from primary care records and that aim to improve the efficiency of COPD case-finding; a discussion of the views of GPs, healthcare professionals, and patients on COPD case-finding; and an overview of the pros and cons of a structured screening programme and the gaps in the evidence.  
**Tag(s):** Clinical  
**Target audience:** Clinician, Epidemiologist, General practitioner, Patient, Public health official, Researcher  
**Chairs:** Peymane Adab (Birmingham, United Kingdom), Chair to be confirmed

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<tr>
<th>Time</th>
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<th>Speaker/Institution</th>
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<tbody>
<tr>
<td>08:30</td>
<td>What is the most clinically- and cost-effective approach for identifying undiagnosed COPD?</td>
<td>Rachel Jordan (Birmingham, United Kingdom)</td>
</tr>
<tr>
<td>09:00</td>
<td>Can we use GP databases to improve the efficiency of screening for undiagnosed COPD?</td>
<td>Jennifer Quint (London, United Kingdom)</td>
</tr>
<tr>
<td>09:30</td>
<td>Screening for COPD in non-smokers</td>
<td>Sundeepr Santosh Salvi (PUNE (MAHARASHTRA), India)</td>
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<tr>
<td>10:00</td>
<td>What do patients and GP's think about identifying undiagnosed COPD?</td>
<td>Mike Thomas (Southampton, United Kingdom)</td>
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### Prince Regent Room  
**Session 111**  
**08:30 - 10:30**  
**Symposium: Lung involvement in systemic disorders**  
**an update to this neglected field**  
**Aims:** Many systemic disorders have lung involvement that is often neglected. The modern pulmonologist must follow a holistic approach. Recently, chest physicians have realised that several diseases, including IgG4 disease, transfusion-related acute lung injury (TRALI), and diabetes, have significant lung involvement. An update in this field is needed.  
**Tag(s):** Clinical  
**Target audience:** Clinician, Intensivist/critical care physician, Pulmonologist, Radiologist, Trainee  
**Chairs:** Vincent Cottin (Lyon, France), Maurizio Marvisi (Cremona, Italy)

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<tr>
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<tbody>
<tr>
<td>08:30</td>
<td>Autoimmune disease and the lung</td>
<td>Michael Kreuter (Heidelberg, Germany)</td>
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<tr>
<td>09:00</td>
<td>IgG4 disease and the lung</td>
<td>Jay Ryu (Rochester, United States of America)</td>
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ERS International Congress 2016
DETAILED PROGRAMME
SUNDAY 04 SEPTEMBER, 2016

Room L  Session 112  08:30 - 10:30

Session: ERS-ALAT-SBPT-SEPAR-SPP joint session: Spanish and Portuguese Session I

Aims: The aims of this session is to discuss key issues in respiratory medicine, providing the opportunity to hear about the latest scientific developments. Note that the presentations will be conducted in Spanish, Portuguese or English with dual projection of slides in Spanish/Portuguese and English.

Chairs: Renato Maciel (Belo Horizonte, Brazil), Inmaculada Alfageme Michavila (Seville, Spain)

08:30  Introduction by the Presidents
Inmaculada Alfageme Michavila (Seville, Spain), Renato Maciel (Belo Horizonte, Brazil)

08:40  Pulmonary amyloidosis: case review
Klaus Loureiro Irion (Salford, United Kingdom)

09:10  Obstructive sleep apnoea and arterial hypertension
Fernando Eduardo Barbe Illa (Lleida, Spain)

09:40  Introduction to Keynote Lecture
Giovanni Battista Migliori (Varese, Italy)

09:45  Accelerated ageing in COPD and its comorbidities: novel therapies for the future
Peter J. Barnes (London, United Kingdom)

Room A  Session 113  08:30 - 10:30

Symposium: Nerves in airway disease: genotype, phenotype and endotype

Aims: This session will describe how airway nerves may be involved in the pathophysiology and symptomatology of chronic lung disease, highlight how neuronal responses may be exaggerated in respiratory diseases, describe the mechanisms involved in these exaggerated responses and how studies in translational models of disease may lead to new therapeutic strategies.

Track(s): Physiology
Tag(s): Translational

Target audience: Clinician, Fellow, General practitioner, Pharmaceutical industry representative, Physiologist, Pulmonologist, Researcher, Respiratory physician, Student

Chairs: Alyn Hugh Morice (Cottingham, United Kingdom), Jeroen Vanoirbeek (Leuven, Belgium)

08:30  Feel the pain: lessons learnt from other sensory systems
Stephen McMahon (London, United Kingdom)

09:00  Translational challenge models: identifying disease phenotypes
Maria Gabriela Belvisi (London, United Kingdom)

09:30  Central neuronal phenotypes in lung disease
Stuart Mazzone (Brisbane, Australia)

10:00  Emerging therapies for neuronal dysfunction and cough
Jaclyn Smith (Manchester, United Kingdom)

Room B  Session 114  08:30 - 10:30

Symposium: Immunotherapy: the lethal weapon against thoracic malignancies?

Aims: To focus on the principles of immunotherapy and various clinical treatment strategies as immunotherapy will most likely change current practice in the treatment of thoracic malignancies; to highlight the most relevant clinical data regarding lung cancer and malignant pleural mesothelioma.

Track(s): Oncology
Tag(s): Clinical

Target audience: Clinician, Fellow, Immunologist, Oncologist, Pathologist, Patient, Pharmaceutical industry representative, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Scientist, Student, Thoracic endoscopist, Thoracic surgeon

Chairs: Rainer G. Wiewrodt (Münster, Germany), Maha Zohra Ladjemi (Brussels, Belgium)
Rationale and targets of immunotherapy in thoracic malignancies
Arnaud Scherpereel (Lille, France)

Current place and future of immunotherapy in lung cancer
Thierry Berghmans (Brussels, Belgium)

Immunotherapy for malignant pleural mesothelioma: ready for clinical practice?
Steven Albelda (Philadelphia, United States of America)

How to select good candidates for immunotherapy against thoracic malignancies
Sylvie Lantuejoul (Lyon, France)

Platinum Room 1+2  Session 115  08:30 - 10:30
Session: ERS publications: a focus on recent guidelines and task forces

Aims: The aim of this session is to highlight recent guidelines in ERS publications and to describe the ERS task forces.

Chairs: Anita Simonds (London, United Kingdom), Sergio Alfonso Harari (Milano, MI, Italy), Anh Tuan Dinh-Xuan (Paris, France)

08:30  Pulmonary hypertension
Marc Humbert (Paris, France)

09:00  Chronic pulmonary aspergillosis
Christoph Lange (Borstel, Germany)

09:30  Care of adults with cystic fibrosis
Stuart Elborn (Belfast, United Kingdom)

10:00  Management of latent Mycobacterium tuberculosis infection: WHO guidelines for countries with a low tuberculosis burden
Haileyesus Getahun (Genève, Switzerland)

Platinum Room 3+4  Session 116  08:30 - 10:30
Oral Presentation: Origins of infant pulmonary disease: early pointers for identifying infants at risk and ways to improve their care

Chairs: Charles Christoph Roehr (Oxford, United Kingdom), Suzanne Terheggen-Lagro (Rotterdam, Netherlands)

OA241  LATE-BREAKING ABSTRACT: Evaluation of lung function in BPD survivors from infancy to adulthood: The Padova BPD study
Laura Moschino (Padova, PD, Italy), Laura Moschino, Silvia Carraro, Stefania Zanconato, Marco Filippone, Eugenio Baraldi

OA242  A randomized trial of oropharyngeal airways to assist stabilization of preterm infants in the delivery room (DR)
C. Omar Kamlin (Melbourne, VIC, Australia), C. Omar Kamlin, Georg Schmoelzer, Jennifer Dawson, Lorraine McGrory, Joyce O’Shea, Peter Davis

OA243  Exhaled breath condensate: Measuring inflammation and oxidative stress in preterm infants
Rhea Urs (Perth, Australia), Rhea Urs, Shannon Simpson, Jane Pillow, Graham Mallory, Michael Clarke

OA244  Plasma pro-endothelin-1 and pro-atrial natriuretic peptide are associated with bronchopulmonary dysplasia in very preterm infants
Roland Neumann (Basel, Switzerland), Roland Neumann, Roland Gerull, Mathias Nelle, Sven Schulzeke, Sven Wellmann

OA245  The role of monocyte derived growth factors in BPD development
Ismé de Kleer (Rotterdam, Netherlands), Esther van Mastrigt, Irwin Reiss, Johan de Jongste, Caroline Cheng, Chris van Dijk, Janneke Samsom, Heleen Kool, Robbert Rottier, Rudi Hendriks, Marielle Pijnenburg, Ismé de Kleer

OA246  Impact of mouth leak on oropharyngeal gas conditioning during neonatal CPAP: A bench study
Hendrik Fischer (Berlin, Germany), Hendrik Fischer, Tim Ullrich, Christoph Bührer, Christoph Czernik, Gerd Schmalisch

OA247  Postnatal corticosteroids and lung function at school age in very prematurely born infants
Christopher Harris (London, United Kingdom), Christopher Harris, Sanja Zivanovic, Mireia Alcazar-Paris, Jessica Lo, Alan Lunt, Neil Marlow, Sandra Calvert, Janet Peacock, Anne Greenough

OA248  Mechanical ventilation in children with life-limiting conditions
Mirella Gaboli (Seville, Spain), Mirella Gaboli, Isabel Delgado Pecellín, Marcos Madruga Garrido, Eduardo Quiroga Cantero, Carmen Cabrera Carro, Luis Manuel Reyes Rodriguez, Juan Pedro González Valencia
Room C  
Session 117  
08:30 - 10:30

Oral Presentation: Best abstracts in asthma and COPD  
Chairs: Mohankumar Thekkinkattil (COIMBATORE (TAMIL NADU), India), Asger Sverrild (Copenhagen, Denmark)

**OA250**  
**The experiences of a rapid access respiratory clinic in Northern Ireland**  
Diarmaid McNicholl (Craigavon, United Kingdom), Diarmuid McNicholl, Royanne Dickson, Elaine Mulligan, Claire Creaney, Liam Polley, David Rodgers

**OA251**  
**Dupilumab improves patient-reported outcomes in chronic sinusitis with nasal polyps patients with comorbid asthma: Results from a phase 2a trial**  
Claus Bachert (Ghent, Belgium), Claus Bachert, Peter Hellings, Joaquin Mullol, Daniel Hamilos, Robert Naclerio, Vijay N. Joish, Leda Mannent, Robert E. Evans, Annette Grabher, Adeline Abbe, Caroline Amand, Christine Taniou, Donghui Zhang, Chunpeng Fan, Gianluca Pirozzi, Neil Graham, Vera Mastey, Puneet Mahajan, Heribert Staudinger, Laurent Eckert, Asif Khan

**OA253**  
**Asthma-COPD overlap syndrome (ACOS) versus ‘pure’ COPD: A distinct phenotype?**  
Denis Caillaud (Clermont-Ferrand, France), Denis Caillaud, Pascal Chanez, Roger Escamilla, Pierre-Régis Burgel, Isabelle Court-Fortune, Pascale Nesme-Meyer, Gaetan Deslee, Thierry Perez, Jean-Louis Paillasseur, Christophe Pinet, Gilles Jebrak, Nicolas Jebrak

**OA254**  
**Incidence and severity of acute exacerbations among women enrolled in an asthma management program during pregnancy: A prospective study of 1,283 pregnancies**  
Charlotte Suppli Ulrik (Virum, Denmark), Zarqa Ali, Charlotte Suppli Ulrik

**OA255**  
**Asthma and COPD in patients with coronary artery disease - The unmet demands**  
Marta Kolacinska-Flont (ód , Poland), Marta Kolacinska-Flont, Jaroslaw Drozdz, Marzenna Zielinska, Izabela Kuprys-Lipinska, Piotr Kuna

**OA249**  
**LATE-BREAKING ABSTRACT: Effect of fluticasone furoate (FF)/vilanterol (VI) on the rate of COPD exacerbations in everyday clinical practice: Results of the COPD Salford lung study (SLS)**  
Jørgen Vestbo (Manchester, United Kingdom), Jørgen Vestbo, David Leather, John P. New, Nawar Diar Bakerly, Jodie Crawford, Sue Collier, Martin Gibson, Sheila McCorkindale, Catherine Harvey, Louisa Yates, Ashley Woodcock

**OA6003**  
**Conclusion talk: " Best abstracts session: A review "**  
Mohankumar Thekkinkattil (COIMBATORE (TAMIL NADU), India)

Room G  
Session 118  
08:30 - 10:30

Oral Presentation: Clinic of pulmonary hypertension  
Chairs: Harm Jan H.J. Bogaard (Amsterdam, Netherlands), Olivier Sitbon (Le Kremlin-Bicêtre, France)

**OA257**  
**LATE-BREAKING ABSTRACT: Vascular endothelial cells in pulmonary arterial hypertension express a unique spectrum of volatile organic compounds**  
Morad Nakhleh (Le Plessis Robinson, France), Morad Nakhleh, Raneen Jeries, David Montani, Barbara Girerd, Frédéric Perros, Gilles Garcia, Gérald Simonneau, Elie Fadel, Marc Humbert, Hossam Haick, Sylvia Cohen-Kaminsky

**OA258**  
**Diffusion capacity as predictor for survival in patients with pulmonary hypertension due to heart failure with preserved ejection fraction**  
Karen Olsson (HANNOVER, Germany), Karen Olsson, Katrin Meyer, Jessica Rademacher, Jan Fuge, Tobias Welte, Marius Hoepner

**OA259**  
**Illicit drug use and severe acute pulmonary arterial hypertension: Not so frequent**  
Anne Roche (PARIS, France), Anne Roche, Marie Camille Chaumais, Swanny Perrin, Xavier Jaïs, Laurent Savale, Philippe Camus, Nicolas Favrot, Julie Traclet, Vincent Cottin, Olivier Sitbon, Gerald Simmoneau, Marc Humbert, Philippe Bonniaud, David Montani

**OA260**  
**Changes in red blood cell membrane structure in pulmonary arterial hypertension**  
Alice Huertas (Paris, France), Alice Huertas, Ly Tu, Raphael Thuillet, Carole Phan, Jennifer Bordenave, Morane Le Hiress, Roland Jovan, Florence Parent, Gérald Simonneau, David Montani, Marc Humbert, Christophe Guignabert

**OA261**  
**Pulmonary hypertension complicating fibrosing mediastinitis**  
Andrei Seferian (Le Plessis Robinson, France), Andrei Seferian, Alexandru Steriade, Xavier Jaïs, Olivier Planché, Laurent Savale, Florence Parent, David Amar, Roland Jovan, Elie Fadel, Olivier Sitbon, Gérald Simonneau, Marc Humbert, David Montani
Dasatinib induces lung vascular toxicity and predisposes to pulmonary hypertension
Carole Phan (Le Plessis-Robinson, France), Carole Phan, Andrei Seferian, Alice Huertas, Ly Tu, Raphael Thuillet, Caroline Sattler, Morane Le Hiriess, Yuichi Tamura, Etienne-Marie Jutant, Marie-Camille Chaumais, Stéphane Bouchet, Benjamin Manéglier, Mathieu Molimard, Philippe Rousselot, Olivier Sitbon, Gérald Simonneau, David Montani, Marc Humbert, Christophe Guignabert

RESPITE: Riociguat in pulmonary arterial hypertension patients with an inadequate response to phosphodiesterase type 5 inhibitors
Marius M. Hoeper (Hannover, Germany), Marius M. Hoeper, Paul A. Corris, James R. Klinger, David Langleben, Robert Naeije, Gérald Simonneau, Raymond L. Benza

Hyperoxia enhances exercise performance in PAH and CTEPH: Randomized trial
Silvia Ulrich (Zürich, Switzerland), Silvia Ulrich, Elisabeth Hasler, Stéphanie Saxer, Michael Furian, Séverine Müller-Mottet, Stephan Keusch, Konrad Bloch

Oral Presentation: Best abstracts in pulmonary rehabilitation and chronic care
Aims: Five selected abstracts are in competition and will be presented first. The outcome results will be presented at the end of the session. The prizes are financially supported by Invacare.
Chairs: Ioannis Vogiatzis (Athens, Greece), Frits M.E. Franssen (Horn, Netherlands)

Skeletal muscle function and structure in patients with non-cystic fibrosis bronchiectasis
Diego Augustin Rodriguez (Barcelona, Spain), Ana Balañá, Juana Martínez-Llorens, Diego Agustin Rodriguez, Mireia Admetlló, Anna Salazar, Pilar Ausin, Esther Barreiro, Joaquín Gea

Physiological effects of nutritional supplementation as adjunct to exercise training in COPD patients with low muscle mass. The double blind, placebo controlled multi-centre NUTRAIN-trial
Coby van de Bool (Neer, Netherlands), Coby Van de Bool, Erica Rutten, Ardy van Helvoort, Frits Franssen, Emiel Wouters, Annemie Schols

Exercise training improves peak oxygen consumption and hemodynamics in patients with pulmonary hypertension - A prospective, randomized, controlled trial
Nicola Benjamin (Heidelberg, Germany), Nicola Benjamin, Hans Klose, Mona Lichtblaufl, Johannes Weidenhammer, Christine Fischer, Robert Nechwatal, Sören Uikel, Michael Halank, Karen Olsson, Werner Seeger, Henning Gall, Stephan Rosenkranz, Heinrike Wilkins, Dirk Mertens, Hans-Jürgen Seyfarth, Christian Opitz, Silvia Ulrich, Benjamin Egenlauf, Ekkehard Grüning

Home telerehabilitation maintenance program for patients affected by COPD and CHF
Mara Paneroni (Mazzano, Italy), Mara Paneroni, Simonetta Scalvini, Palmira Bernocchi, Tiziana Galli, Doriana Baratti, Maria Teresa La Rovere, Maurizio Volterrani, Michele Vitacca

Animal versus specialist equipment for the delivery of pulmonary rehabilitation in COPD
Melanie Palmer (Uxbridge, United Kingdom), Melanie Palmer, Sarah Jones, Claire Nolan, Jane Canavan, Alex Labey, Matthew Maddocks, Samantha Kon, William Man

Early diaphragm pacing to delay non-invasive ventilation in patients with amyotrophic lateral sclerosis (RespiStim ALS): A multicenter, triple-blind, randomized controlled trial
Jesus Gonzalez Bermejo (Montlignon, France), Jesus Gonzalez Bermejo, Capucine Morelot-Panizini, Tanguy Marie Laure, Vincent Meininger, Philippe Courratier, Nathalie Guy, Claude Desnuelle, Hélène Prigent, Christophe Perrin, Valérie Attali, Nierat Marie-Cécile, Francois Salachas, Thomas Similowski

Sarcopenia and associated factors in older adults with COPD: Results from the SABE-Bogota cohort study
Carlos Andrés Celis Preciado (Bogota, Cundinamarca, Colombia), Carlos Andrés Celis Preciado, Miguel Borda, Mario Pérez-Cepeda, Carlos Cano

Ceremony: announcement of the ranking for the 5 Best abstracts in pulmonary rehabilitation and chronic care
Richard Casaburi (Rancho Palos Verdes, United States of America), Nicolina Ambrosio (Volterra, Italy)

Oral Presentation: Clinical update on bronchiectasis
Chairs: Charles Haworth (Cambridge, United Kingdom), Menno M. van der Eerden (Rotterdam, Netherlands)

LATE-BREAKING ABSTRACT: RESPIRE 1: Ciprofloxacin DPI 32.5mg b.d. administered 14 day on/off or 28 day on/off vs placebo for 48 weeks in subjects with non-cystic fibrosis bronchiectasis (NCFB)
Anthony De Soyza (Newcastle-upon-Tyne, United Kingdom), Anthony De Soyza, Timothy Aksamit, Tiemo-Joerg Bandel, Margarita Criollo, J. Stuart Elborn, Ulrike Krahn, Elisabeth Operschall, Eva Polverino, Kevin Winthrop, Robert Wilson
Management of bronchiectasis in Europe: Data from the European bronchiectasis registry (EMBARC)
James D. Chalmers (Perth, United Kingdom), Charles S. Haworth, Chris Johnson, Stefano Aliberti, Pieter C. Goeminne, Felix Ringhausen, Wim Boersma, Anthony De Soya, Marlene Murrin, Eva Polverino, Montserrat Vendrell, James D. Chalmers

Multidimensional severity assessment in bronchiectasis - An analysis of 7 European cohorts
Melissa McDonnell (Galway, Ireland), Melissa McDonnell, Aliberti Stefano, Pieter Goeminne, Katerina Dimakou, Stefano Zuchetti, John Davison, Chris Ward, John Laffey, Simon Finch, Alberto Pesci, Lieven Supont, Thomas Fardon, Dusan Skrbic, Dusanka Lourdes Marquez Perez

International validation of FACED score in 672 patients with non-cystic fibrosis bronchiectasis
Miguel Ángel Martínez García (Valencia, Spain), Miguel Ángel Martínez García, R.A. Athanazio, G. Gramblicka, M. Corso, F.L. Cavalcanti-Lundgren, M.R. Fernandes de Figuereido, F. Arancibia

Long term prognosis of non-cystic fibrosis bronchiectasis
Jacinto Hernandez Borge (Badajoz, Spain), Amparo Sanz Cabrera, Jacinto Hernandez Borge, Maria del Carmen Garcia, Maria Jose Antona Rodriguez, Isabel Asschert Aguero, Pedro Pires Goncalvez, Estefanía Molina Ortiz, Ana Castañar Jover, Francisca Lourdes Marquez Perez

BRICS- a simple radiological scoring in bronchiectasis
Pallavi Bedi (Edinburgh, Scotland, United Kingdom), Pallavi Bedi, James Chalmers, Pira Sarvanamuthu, Adriano Rossi, Adam Hill

Changes of computed tomography features of bronchiectasis during one year of azithromycin treatment
Josje Altenburg (Alkmaar, Netherlands), Josje Altenburg, Rienhart Wolf, Shirley Go, Philip van Rijn, Wim Boersma, Tjip van der Werf

Pneumonic vs. non-pneumonic exacerbations in bronchiectasis
Edmundo ROSALES MAYOR (BARCELONA, Spain), Edmundo Rosales Mayor, Rosario Menendez, Victoria Alcaraz-Serrano, Emilio Anostegui Barrera, Beatriz Montull Veiga, Rosa Maria Girón, Carolina Cisneros, Montserrat Vendrell, Gerard Muñoz, María Angeles Marcos, Antoni Torres, Eva Polverino

LATE-BREAKING ABSTRACT: Artificial intelligence to improve the diagnostic power of complete pulmonary function tests
Wim Janssens (Leuven, Belgium), Marko Topalovic, Jean-Marie Aerts, Thierry Troosters, Marc Decramer, Wim Janssens

LATE-BREAKING ABSTRACT: Comparison between spirometry self tests after video tutorial and hospital pulmonary function tests
Mikaela Qvarfordt (Huddinge, Sweden), Mikaela Qvarfordt, Rebecca Almqvist, Martin Anderson

Predicting mortality in idiopathic pulmonary fibrosis. Which parameters should be used to determine eligibility for treatment? Analysis of a UK prospective cohort
Amy Taylor Gonzalez (Purley, United Kingdom), Amy Taylor Gonzalez, Toby Maher

Global lung function initiative: Reference equations for the transfer factor for carbon monoxide (TLCO)
Sanja Stanojevic (Toronto, Canada), Sanja Stanojevic, Brian Grham, Brendan Cooper, Bruce Thompson, Kim Carter, Graham Hall

Longitudinal monitoring of disease progression in children with mild CF using hyperpolarised gas MRI and LCI
Laurie Smith (Sheffield, United Kingdom), Laurie Smith, Ina Aldag, Paul Hughes, Felix Horn, Helen Marshall, Graham Norquay, Guilhem Collier, David Hughes, Chris Taylor, Alex Horsley, Jim Wild

Simultaneous SF, and N2 gas multiple breath washout (MBW); understanding the difference between test gases
Katie Bayfield (London, United Kingdom), Katie Bayfield, Eric Alton, Samantha Irving, Andrew Bush, Alexander Horsley, Jane Davies

Pneumoniosis biological controls: The scientist who cried wolf
Maureen P Swanney (Christchurch, New Zealand), Maureen P. Swanney, Josh D. Stanton

Is there a direct effect of physical activity on lung function gain in adolescents? The 1993 Pelotas (Brazil) birth cohort
Fernando C. Wehrmeister (PELOTAS/RS, Brazil), Fernando C. Wehrmeister, Bruna C.G. Silva, Rogelio Perez-Padilla, Helen Gonçalves, Bernardo L. Horta, Pedro C. Hallal, Fernando C. Barros, Ana M.B. Menezes
Oral Presentation: Respiratory nursing research: opening new perspectives on patient experiences

Chairs: Carme Hernandez Carcereny (Barcelona, Spain), Anne-Marie Russell (London, United Kingdom)

OA288 LATE-BREAKING ABSTRACT: Knowledge gaps in patients with COPD and their proxies

OA289 A randomised controlled trial of cognitive behavioural therapy (CBT) delivered by respiratory nurses to reduce anxiety in chronic obstructive pulmonary disease (COPD). (Trial registration - ISCRCTN55206395)
Karen Marshall (Newcastle upon Tyne, United Kingdom), Karen Heslop, Chris Stenton, Julia Newton, Debbie Carrick-Sen, Christine Baker, Burns Graham, Anthony De Soyza

OA290 Effectiveness of a new nursing intervention for primary care COPD patients
Saskia W. M. Weldam (Utrecht, Netherlands), Saskia Weldam, Marieke Schuurmans, Pieter Zanen, Alfred Sachs, Monique Heijmans, Jan-Willem Lammers

OA291 The lived experience of idiopathic pulmonary fibrosis: A qualitative study
Ingrid Egerod (Copenhagen, Denmark), Dorthe Overgaard, Gudrun Kaldan, Kristoffer Marsaa, Thyge Lynghøj Nielsen, Saher Burkan Shaker, Ingrid Egerod

OA292 Girls with asthma have worse health related quality of life than boys - A population based study
Caroline Stridsman (Luleå, Sweden), Caroline Stridsman, Helena Backman, Britt-Marie Eklund, Eva Rönmark, Linnea Hedman

OA293 Preferences for death and dying in patients with COPD
Carmen Houben (Horn, Netherlands), Carmen Houben, Martijn Spruit, Emiel Wouters, Herman-Jan Pennings, Jacques Creemers, Geertjan Wesseling, Vivian Kampen-van den Boogaart, Daisy Janssen

OA294 Nursing challenges in relieving dyspnoea experienced by patients with COPD during hospitalization
Maria Omel Jellington (Hillerod, Denmark), Maria Omel Jellington, Erik Elgaard Sørensen, Dorthe Overgaard

OA295 Differences in proxy-reported and patient-reported outcomes: Assessing problematic activities of daily life in patients with COPD

Poster Discussion: Pharmacological management of COPD

Chairs: Guy Brusselle (Ghent, Belgium), Mario Cazzola (ROMA, RM, Italy)

PA296 Effect of indacaterol/glycopyrronium (IND/GLY) vs salmeterol/fluticasone (SFC) on moderate or severe COPD exacerbations and lung function based on baseline blood eosinophil counts: Results from the FLAME study
Kenneth R. Chapman (Toronto, Canada), Kenneth R. Chapman, Claus F. Vogelmeier, Angel FowlerTaylor, Tim Ayers, Chau Thach, Anupama Shrinivasan, Robert Fogel, Francesco Patalano, Donald Banerji

PA297 Effect of different inhalation methods on the airway clearance in moderate and severe AECOPD
Hongjing Lin (Changchun City, China), Hongjing Lin, Xin Zhong, Zeyu Qin, Xueli Zhang, Jiahui Ma

PA298 Tiotropium in chronic obstructive pulmonary disease: Gender differences in outcomes
Robert A Wise (Baltimore, United States of America), Robert A. Wise, Antonio Anzueto, Achim Mueller, Norbert Metzdorf, Peter M.A. Calverley

PA299 Long term treatment with n-acetylcysteine reduces exacerbations in moderate chronic obstructive pulmonary disease
Alberto Papi (FERRARA, Italy), Alberto Papi, Gerard Criner, Guy Brusselle, Peter Calverley, Jinping Zheng, Francesco Sergio, Paolo Morelli, Leonardo Fabbri, Nanshan Zhong

PA300 The healthcare burden of non-compliance to pharmacotherapeutic escalation recommendations for COPD
Ruben Tavares (Mississauga, ON, Canada), Ruben Tavares, William Zhang, Tam Dang-Tan, Afisi Ismaila, Melissa Stutz, Natalie Coletta, Julie Vaillancourt, Daria Parsons, Xiwu Lin, Gilbert Nadeau, Alexander Simidchiev, John Sampalis

PA301 Reduction in clinically important deterioration in COPD with aclidinium/formoterol
Dave Singh (Manchester, United Kingdom), Dave Singh, Anthony D. D’Urzo, Ferran Chuecos, Anna Muñoz, Esther García Gil
Identification of factors associated with exacerbation risk in severe COPD: Multivariate analysis of the WISDOM study
Claus Vogelmeier (Marburg, Germany), Claus Vogelmeier, Leonardo M. Fabbri, Susan Bell, Kay Tetzlaff, Helgo Magnussen, Henrik Watz

Effect of low dose theophylline as adjunct in treatment of COPD
Mrityunjaya Singh (VARANASI (UTTAR PRADESH), India), Mrityunjaya Singh, Sudhir Kumar Agarwal, Manoj Meena, Shruti Singh

Long-term outcome following first clinically important deterioration in COPD
Ian Naya (Uxbridge, United Kingdom), Ian Naya, Lee Tombs, Hana Mullerova, Chris Compton, Paul Jones

Mepolizumab in COPD with eosinophilic bronchitis: A randomized clinical trial
Angira Dasgupta (KOLKATA (WEST BENGAL), India), Angira Dasgupta, Melanie Kjarsgaard, Dante Capaldi, Katherine Radford, Fernando Aleman, Grace Parraga, Len Altman, Thomas Wight, Paul M. O’Byrne, Parameswaran Nair

Inhaled treatment of COPD: A delphi consensus statement
Vincent Ninane (Bruxelles, Belgium), Vincent Ninane, Jean-Louis Corhay, Paul Germonpré, Guy Joos, Giuseppe Liistro, Walter Vincken, An Lehouck

Rate of FEV1 decline by FEV1 percent predicted in UPLIFT® and TIOSPIR®
Michael B Drummond (Baltimore, United States of America), Michael B. Drummond, Donald P. Tashkin, Antonio Anzueto, Christopher Hallmann, Achim Mueller, Norbert Metzdorf, Ulrika Hinkel, Robert A. Wise

Tolerability of different dosing regimens of roflumilast in severe COPD (OPTIMIZE)
Henrik Watz (Grosshansdorf, Germany), Henrik Watz, Nitin Bagul, Ken Nip, Rui Sun, Udo-Michael Goehringer, Peter Calverley, Klaus Rabe

Benefit of FDC budesonide (BUD) and formoterol fumarate (FF) FDC delivered by a novel MDI co-suspension technology (BFF MDI), in patients (pts) with moderate-to-severe COPD
Edward Kerwin (Medford, United States of America), Edward Kerwin, Thomas Siler, Samir Arora, Patrick Darken, Chad Oreilivo, Earl L. Rose, Colin Reisner

Beneficial effect of the LAMA/LABA glycopyrronium (GP)/formoterol (FF) fixed-dose combination, delivered using a novel MDI co-suspension technology (GFF MDI), in COPD GOLD group A and B patients
Leonardo Michele Fabbri (Modena, Italy), Leonardo Michele Fabbri, Fernando Martinez, Klaus F. Rabe, Roberto Rodriguez-Roisin, Gary T. Ferguson, Paul Jones, Stephen Rennard, Shahid Siddiqui, Chad Oreilivo, Patrick Darken, Colin Reisner

Cardiovascular (CV) safety of indacaterol/glycopyrronium (IND/GLY) compared with salmeterol/fluticasone combination (SFC) in moderate-to-very severe COPD patients with prior exacerbations: The FLAME study
Nicolas Roche (Paris, France), Nicolas Roche, Petter Olsson, Jørgen Vestbo, Angel FowlerTaylor, Tim Ayers, Chau Thach, Karyn Clerkin, Robert Fogel, Francesco Patalano, Donald Banerji

Treatment effect of umeclidinium/vilanterol and tiotropium on SGRQ sub-domains
John Riley (UXBRIDGE, United Kingdom), John Riley, Lee Tombs, Mitra Vahdati-Bolouri, Margaret Tabberer, Paul Jones

Drug particle size and lung deposition in COPD
Martyn Biddiscombe (London, United Kingdom), Martyn Biddiscombe, Sally Meah, Peter Barnes, Omar Usmani
The impact of gender on evaluation of polysomnographic data
Elif Torun Parmaksiz (ISTANBUL, Turkey), Elif Torun Parmaksiz, Banu Salepci, Nesrin Kiral, Ali Fidan, Gülten Aktin Güngör, Coskun Dogan, Sevda Cömert

Gender differences in obstructive sleep apnoea: Getting old or fat, what matters?
Tiago Soares Oliveira e Sá (Lisboa, Portugal), Tiago Soares Oliveira e Sá, Ricardo Luiz Menezes Duarte, Flavio José Magalhães da Silveira

Gender differences in cardiorespiratory dynamics in the coexistence of OSA and COPD
Renata Trimer (São Carlos, São Paulo, Brazil), Renata Trimer, Ramona Cabiddu, Renata Gonçalves Mendes, Fernando Souza Melo Costa, Antonio Delfino Oliveira Junior, Audrey Borghi-Silva

Aging and its association with increased prevalence of obstructive sleep apnoea: A six-year experience in a Brazilian sleep center
Ricardo Luiz De Menezes Duarte (RIO DE JANEIRO/RJ, Brazil), Ricardo Luiz De Menezes Duarte, Tiago Soares De Oliveira E Sá, Flavio José Magalhães da Silveira

Prevalence of acromegaly among patients referred for sleep apnea syndrome: ACROSAS study
Louis-Marie Galerneau (GRENOBLE, France), Louis-Marie Galerneau, Jean-Louis Pépin, Anne-Laure Borel, Olivier Chabre, Marc Sapene, Bruno Stuch, Janie Girey-Rannaud, Renaud Tamisier, Philippe Caron

Obstructive sleep apnea in Ehlers-Danlos syndrome. A prospective case-control study
Thomas Gaisl (Zürich, Switzerland), Thomas Gaisl, Cecilia Giunta, Kate Sutherland, Daniel Bratton, Christian Schlatzer, Noreane Sievi, Daniel Franzen, Peter Cistulli, Marianne Rohrbach, Malcolm Kohler

Obstructive sleep apnea is a risk factor for osteoarthritis
Asiye Kanbay (Kayseri, Turkey), Asiye Kanbay, Oguz Kokturk, Aylin Pihtili, Erkan Ceylan, Selcan Tulu, Ercan Madenci, Handan Kösöglu, Johan Verbraecken

Obstructive sleep apnea and cancer- A nationwide epidemiological survey
Thorarinn Gislason (Reykjavik, Iceland), Thorarinn Gislason, Elias Freyr Gudmundsson

Sleep-disordered breathing and aggressiveness markers of cutaneous melanoma. A multicentric study
Miguel Ángel Martínez García (Valencia, Spain), Miguel Ángel Martínez García, Antonio Martorell, Eduardo Nagore, Jose Luis Rodriguez-Peralto, Manuel Sanchez de la torre, Luis Hernandez, Maria Josefa Sánchez, Josep Maria Montserrat, Ramón Farré, Francisco Campos-Rodriguez, Jorge Abad, Ferran Barbe, Olga Mediano, Valentin Cabriada, Jaime Corral, Irene Cano, Fernanda Troncoso, Ana Fortuna, Mónica de la Peña, Maria Somoza, Monica Gonzalez, Monica LLombart, Felix del Campo, Cristina Navarro, Maria Jose Selma, Gabriel Anguera, Alberto Garcia

Alzheimer’s disease related amyloid beta release from human neuroblastoma cells in response to intermittent hypoxia
Isaac Almendros (Hospitalet de Llobregat (Barcelona), Spain), Maria Jose Menal, Bryan Falcons, Gerard Piñol, Ramon Farre, Isaac Almendros

Autonomic arousals, sleep respiratory disorders and autonomic nervous system activity in neuromuscular diseases
Grazia Crescimanno (Palermo, PA, Italy), Grazia Crescimanno, Francesca Greco, Oreste Marrone

A randomized controlled trial of auto-titrating continuous positive airway pressure treatment for obstructive sleep apnoea after acute quadriplegia (COSAQ)
David Berlowitz (Melbourne, VIC, Australia), David Berlowitz, The COSAQ Collaborative

Obstructive sleep apnea syndrome in obese patients before bariatric surgery: A prospective observational study
MARION DUPUIS (FONSORBES, France), Marion Dupuis, Sandrine Pontier, Pascal Debove, Elise Noel-Savina, Alain Didier

Sleep disordered breathing in morbidly obese patients prior to bariatric surgery - A retrospective analysis
Christian Horvath (Bern, Switzerland), Christian Horvath, Juri Jossen, Anne-Kathrin Brill, Philipp Nett, Florent Baty, Sebastian Ott

Prevalence and diagnosis of obesity hypoventilation syndrome (OHS) in ambulatory obese patients
Jean Christian Borel (Meylan, France), Jean Christian Borel, Fabrice Guerber, Ingrid Jullian-Desayes, Marie Joyeux-Faure, Nathalie Arnol, Nellie Taleux, Renaud Tamisier, Jean Louis Pepin

Noninvasive ventilatim efficacy for obesity hypoventilation syndrome without severe sleep apnea
Juan Fernando Masa Jiménez (Cáceres, Spain), Juan Fernando Masa Jiménez, M.-Ángeles Sánchez-Quiroga, Jaime Corral, Candela Caballero, Emilia Barrot, Joaquín Terán-Santos, María L. Alonso-Alvarez, Teresa Gomez-Garcia, Mónica González, Soledad López-Martinez, Pilar De Lucas, José M. Marin, Sergi Marti, Trinidad Díaz-Cambriles, Eusébi Chiner, Carlos Egea, Erika Miranda, Babak Mokhlesi
**Room ICC Capital Suite 8**  
**Session 126**  
**08:30 - 10:30**  
**Poster Discussion: Infections, sepsis, and pulmonary embolism**

**Chairs:** Andrea Cortegiani (Palermo, Italy), Antoni Torres Marti (Barcelona, Spain)

**PA351**  
**Usefulness of procalcitonin as a predictor for bacteremia and prognosis in severe sepsis**  
Min Kwang Byun (Seoul, Republic of Korea), Min Kwang Byun, Yoon Soo Chang, Hyung Jung Kim, Chul Min Ahn

**PA352**  
**Removal of extracellular ATP improves FMLP-induced neutrophil chemotaxis**  
XIAOOU LI (Chengdu, China), Xiaouou Li, Yutaka Kondo, Y.I. Bao, Laura Staudenmaier, Albert Lee, Jingping Zhang, Carola Ledderose, Fuqiang Wen, Wolfgang Junger

**PA353**  
**Emergency asthma care in England: Themes identified during audits at five hospital trusts**  
Ian Clifton (Leeds, United Kingdom), Ian Clifton, Patrick Dennison, James McCreanor, Sean Parker, Dominic Shaw. On Behalf of the Asthma A&E Project

**PA354**  
**Runtime and aPTT predict venous thrombosis and thromboembolism in patients on extracorporeal membrane oxygenation: A retrospective analysis**  
Franziska Trudzinski (Homburg/Saar, Germany), Franziska Trudzinski, Peter Minko, Daniel Rapp, Sebastian Fündrich, Hendrik Haake, Myriam Haab, Rainer M. Bohle, Monika Flaig, Franziska Kaestner, Robert Bals, Heinrike Wilkenk, Ralf M. Muellenbach, Andreas Link, Christian Lensch, Heinrich V. Groesdonk, Frank Langer, Philipp M. Lepper

**PA355**  
**Pulmonary originated sepsis: Can N/L ratio be used as follow-up marker?**  
Ülgen Yalaz Tekan (STANBUL, Turkey), Rabia Sari, Mustafa Ay, Emin Çelik, Ülgen Yalaz Tekan, Fulya Çiyiltepe, Feyza Kargin, Cuneyt Salturk, Özlem Mocin, Gokay Gungor, Nalan Adiguzel, Zuhal Karakurt

**PA356**  
**Pulmonary embolism in an emergency care unit of Southern Italy: Evaluation of predictive factors from clinical history and physical exam**  
Baldassare Canino (Palermo, Italy), Baldassare Canino, Davide Noto, Vincenzo Paternò, Emanuela Fertitta, Eugenia Hopps, Francesc Brocato, Antonina Giannamano, Maurizio Averna, Rosario Squatrito

**PA357**  
**Use of high-flow nasal cannula in the emergency department**  
Vanesa Romina Ruiz (Ciudad Autónoma de Buenos Aires, Argentina), Vanesa Romina Ruiz, Germán Federico Mayer, Nicolás Gustavo Roux, Hugo Alberto Peralta

**PA358**  
**Methotrexate reduces acute lung injury in a murine model of sepsis**  
Josep Bringué (Barcelona, Spain), Josep Bringué, Raquel Guillamat-Prats, Eva Torrents, Mª Luisa Martinez, Lluis Blanch, Antonio Artigas

**PA359**  
**Factors influencing mortality in ICU patients with suspected massive pulmonary embolism**  
Irfan Ucgun (Eskisehir, Turkey), Irfan Ucgun, Fatih Demircan, Nalan Demir, Hüseyin Yıldırım, Sinan Erginel, Hakan Akgün

**PA360**  
**The ICU outcome of massive and submassive pulmonary embolism: A case series study**  
Begüm Ergan (Izmir, Turkey), Begüm Ergan, Recai Ergün

**PA361**  
**Extracorporeal membrane oxygenation (ECMO) for near fatal asthma refractory to conventional ventilation**  
Usman Maqsood (Preston, United Kingdom), Usman Maqsood, Ali Fawzi, Nehal Patel

**PA362**  
**High flow nasal cannula in patients awaiting lung transplantation with acute respiratory failure exacerbations resulting from interstitial lung disease. Series of cases**  
Alejandro Midley (Buenos Aires, Argentina), Alejandro Midley, Silvina Dell’Era, Marcos Las Heras, Ilona Bykhovsky, Emiliano Gognait, Sergio Giannasi, Eduardo San Román, Nicolas Roux, Francisco Brocato

**PA363**  
**LATE-BREAKING ABSTRACT: Nebulized versus intravenous amikacin in ventilator-associated pneumonia caused by pseudomonas aeruginosa**  
Annia Fleur Schreiber (TORINO, TO, Italy), Annia Fleur Schreiber, Hannan Arana, Xiao Lu, Alexandra Aubry, Jie Lv, Jean-Jacques Rouby, Olivier Langeron, Qin Lu

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**Room ICC Capital Suite 10**  
**Session 127**  
**08:30 - 10:30**  
**Poster Discussion: Advanced lung function testing in childhood respiratory and sleep disease**

**Chairs:** Claudia Calogero (Mассараса, Italy), Maria Pia Villa (Rome, Italy)

**PA364**  
**N2-MBW in comparison to spirometry in children after lung transplantation**  
Sylvia Nyilas (Basel, Switzerland), Sylvia Nyilas, Christian Dopfer, Mareike Price, Julia Carlens, Carsten Müller, Gesine Hansen, Philipp Latzin, Nicolaus Schwerk
Peripheral airway function over time in children post bone marrow transplantation
Rathnini Jayasuriya (Sydney, Australia), Rathnini Jayasuriya, Greg King, Hiran Selvadurai, Melissa Gabriel, Per Gustafsson, Kate Hardaker, Brendan Kennedy, Steven Koogh, Ida Twist, Peter Shaw, Paul Robinson

Long term pulmonary outcome after mild to severe bronchopulmonary dysplasia
Petra Um-Bergstrom (Sollentuna, Sweden), Petra Um-Bergstrom, Jenny Hallberg, Per Thunqvist, Eva Berggren-Brostrom, Martin Anderson, Gunilla Adenfelt, Gunnar Lilja, Giovanni Ferrara, Magnus Skold, Erik Melén

Dysphonia contributes to respiratory symptoms in very preterm children
Shannon Simpson (Western Australia, Australia), Shannon Simpson, Zoe Champion, Graham Hall, Noel French, Victoria Reynolds

Scond may better discriminate severe therapy resistant asthma (STRA) from mild-moderate asthma than lung clearance index (LCI)
Samantha Irving (London, United Kingdom), Samantha Irving, Louise Fleming, Sejal Saglani, Andrew Bush

Single-breath washout and association with structural lung changes in children with cystic fibrosis
Sophie Yammime (Bern, Switzerland), Sophie Yammime, Kathryn A. Ramsey, Billy Skoric, Philipp Latzin, Graham L. Hall, Louise King, Sarah Ranganathan, AREST CF

Effect of tissue nitrogen excretion on multiple breath washout measurements
Mica Kane (Toronto, Canada), Mica Kane, Sanja Stanojevic, Renee Jensen, Felix Ratjen

New reference values for N. multiple breath washout outcomes in pre-school and school-aged children
Pinelopi Anagnostopoulou (Bern, Switzerland), Pinelopi Anagnostopoulou, Renee Jensen, Nadja Kranz, Sophie Yammime, Philipp Latzin, Felix Ratjen

Leptin levels can reflect exercise capacity in overweight children
Elpida Hatziagorou (Thessaloniki, Greece), Kiriaiki Tsiroukidou, Maria Papagianni, Elpida Hatziagorou, Asterios Kampouras, Kalliopi Kontoulis, Konstantina Kosta, John Tsanakas

Metabolic biomarkers in obese community-dwelling children: NANOS study
Maria Luz Alonso Alvarez (BURGOS, Spain), Maria Luz Alonso Alvarez, Joaquin Terán-Santos, Jose Cordero-Guevara, Mónica Gonzalez-Martinez, María Jose Jurado-Luque, Jaime Corral-Peña, Joaquin Duran-Cantolla, Juan Fernando Masa-Jimenez, Leila Kheirandish-Gozal, David Gozal

Sniff nasal inspiratory pressure and peak cough flow in children with ataxia telangiectasia
Jayesh M. Bhatt (Nottingham, United Kingdom), Joyce Tan, Andrew Prayle, Sarah Spencer, Nicola McNarry, Bush Andrew, Jayesh M. Bhatt

Lung growth in children and young adults with primary ciliary dyskinesia (PCD): An iPCD cohort study
Florian Halbeisen (Bern, Switzerland), Florian Halbeisen, Myrofora Goutaki, Elisabeth Maurer, Carmen Casaulta, Suzanne Crowley, Eric Haarman, Jane Lucas, Lucy Morgan, Kim Nielsen, Francesca Santamaria, Nico Schwer, Guillame Thouvenin, Panayiotis Yiallouros, Zorica Zivkovic, Alban Ramette, Philipp Latzin, Claudia Kuehni

Sleep disordered breathing in children with primary ciliary dyskinesia (PCD)

Screening for sleep disordered breathing (SDB) with paediatric sleep questionnaire (PSQ) in children with underlying conditions
Rishi Pabary (London, United Kingdom), Rishi Pabary, Doxa Kotzia, Christophe Goubau, Kylie Russo, Martin Samuels

Prediction of treatment outcome in pediatric OSA: Physical examination versus functional respiratory imaging
Monique Slaats (Antwerp, Belgium), Monique Slaats, Cedric Van Holtsbeke, Wim Vos, Dieter Loterman, Jan De Backer, An Boudewyns, Wilfried De Backer, Stijn Verhulst

Sleep-disordered breathing in children with current wheezing and allergic rhinoconjunctivitis
Yasemin Gökdemir (Istanbul, Turkey), Ersoy Civelek, Yasemin Gökdemir, Banu Cakir, Ahmet Demir, Can Kocabas, Bülent Karadag, Fazilet Karakoc, Refika Ersu

Prevalence and complications of OSA: A study among school children of India
Abhishek Goyal (Bhopal, India), Abhishek Goyal, Girish Bhatt, Abhijit Pakhare

Adenotonsillectomy for obstructive sleep-disordered breathing in childhood: The Chania community oximetry-based study
Athanasios G. Kaditis (Athens, Greece), Theognosia S. Chimona, Konstantinos Chaidas, Panagiota Asimakopoulou, Alexandros Ladias, Efklidis K. Proimos, Chariton E. Papadakis, Athanasios G. Kaditis
**Poster Discussion: Human responses to exposure, including physiological and biomarker outcomes**

**Tag(s):** Healthy Lungs for Life (HLfL)

**Chairs:** Rafael E. de la Hoz (New York, United States of America), Maniraj Neupane (Kathmandu, Nepal)

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<td>PA382</td>
<td><strong>Metabolic biomarker validation and clinomics of World Trade Center-Lung injury</strong></td>
<td>Sophia Kwon (New York, United States of America), Sophia Kwon, Syed H. Haider, Erin J. Caraher, Theresa Schwartz, David J. Prezant, Anna Nolan</td>
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<td>PA383</td>
<td><strong>Inhaled diesel exhaust alters allergen-induced bronchial secretome in humans</strong></td>
<td>Chris Carlsten (Vancouver, Canada), Neeolfer Mookherjee, Peyman Ezzati, Victor Spicer, Christopher Rider, Jeremy Hirota, Chris Carlsten</td>
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<td>PA384</td>
<td><strong>Airway inflammatory response following exposure to 100% RME biodiesel in healthy subjects</strong></td>
<td>Jenny Bosson (UMEA, Sweden), Jon Unosson, Greg Rankin, Jamshid Pourazar, Anneline Behndig, Ala Muala, Maria Sehlstedt, Jeremy Langrish, Anders Blomberg, Thomas Sandström, Jenny Bosson</td>
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<td>PA385</td>
<td><strong>Lipid composition of particles in exhaled air (PEx) from workers exposed to welding fumes</strong></td>
<td>Göran Ljungkvist (Gothenburg, Sweden), Göran Ljungkvist, Emilia Viklund, Fabian Taube, Jeong-Lim Kim, Niklas Forsgard, Anna-Carin Olin</td>
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<td>PA386</td>
<td><strong>Elevated markers of lipid oxidative damage among workers exposed to engineered TiO \textsubscript{2} nanoparticles</strong></td>
<td>Daniela Pelcelová (Prague, Czech Republic), Daniela Pelcelová, Vladimir Zdimal, Petr Kacer, Tomas Navratil, Zdenka Fencilova, Stepanka Vlckova, Martin Komarc, Sergey Zakharov</td>
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<td>PA387</td>
<td><strong>Lung asbestos content in patients with lung cancer in different Spanish regions. The AM CANES study</strong></td>
<td>Mª Jesus Cruz Carmona (Barcelona, Spain), Mª Jesus Cruz Carmona, Daniel Alvarez-Simón, Roser Costa, Annie Navarro, Ane Uranga, Isabel Urrutia, María-Encarnación Barroso, Belén Marín-Martínez, Jaume Ferrer</td>
</tr>
<tr>
<td>PA388</td>
<td><strong>A polypeptide of the megakaryocyte potentiating factor is a potential biomarker in plasma for the detection of mesothelioma</strong></td>
<td>Hans Peter Rihs (Bochum, Germany), Hans Peter Rihs, Irina Raiko, Jan Gleichenhagen, Ingrid Sander, Jens Kollmeier, Thomas Brüning, Georg Johnen</td>
</tr>
<tr>
<td>PA389</td>
<td><strong>Risk of rheumatoid arthritis in a cohort of silica-exposed Swedish foundry workers</strong></td>
<td>Paul Blanc (San Francisco, United States of America), Paul Blanc, Lena Andersson, Ing-Liss Bryngelsson</td>
</tr>
<tr>
<td>PA390</td>
<td><strong>Farmers beware of the storage mites</strong></td>
<td>Grethe Elholm (Hammel, Denmark), Grethe Elholm, Vivi Schlünssen, Gert Doekes, Øyvind Omland, Pernille Milvang Grosning, Torben Sigsgaard</td>
</tr>
<tr>
<td>PA391</td>
<td><strong>Occupational endotoxin exposure dose-dependently protects against atopy and hay fever: Results of a longitudinal study</strong></td>
<td>Inge Wouters (Utrecht, Netherlands), Annejet Spierenburg, Lidwien Smit, Patricia Robbe, Esmeralda Krop, Dick Heederik, Machteld Hylkema, Inge Wouters</td>
</tr>
<tr>
<td>PA392</td>
<td><strong>Sensitisation to mouse allergens in contemporary laboratory animal workers: The SPIRAL study</strong></td>
<td>Johanna Feary (London, United Kingdom), Johanna Feary, Bernadette Fitzgerald, Susie Schofield, Minir Jones, Paul Cullinan</td>
</tr>
<tr>
<td>PA393</td>
<td><strong>Airway inflammatory profile among cleaning workers from different workplaces</strong></td>
<td>Soraia Nogueira Felix (SAO PAULO/SP, Brazil), Soraia Nogueira Felix, Monise Demattê Avona, Bruna Gabryela Busoletto dos Santos, Edinéia da Paz, Francine Maria de Almeida, Isabella Santos de Genaro, Cynthia Mafra Fonseca de Lima, Clóvis Eduardo Santos Galvão, Maria Lúcia Bueno Garcia, Milton de Arruda Martins, Beatriz Margueria Saraiva Romanholo</td>
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<tr>
<td>PA394</td>
<td><strong>Different changes in plasma concentrations of cytokines and chemokines in patients with COPD associated with smoking and occupational exposures</strong></td>
<td>Anatoli Tahanovich (Minsk, Belarus), Anatoli Tahanovich, Aliaksei Kadushkin</td>
</tr>
<tr>
<td>PA395</td>
<td><strong>Exposure to birch pollen and ozone and the fraction of exhaled nitrogen oxide (FENO)</strong></td>
<td>Susanna Lohman Haga (Gothenburg, Sweden), Susanna Lohman, Hanne Krage Carlsen, Anna-Carin Olin</td>
</tr>
<tr>
<td>PA396</td>
<td><strong>Occupational chronic obstructive pulmonary disease attributed to chemicals exposure: Clinical characteristics and inflammatory serum profile</strong></td>
<td>Lyubov Shpagina (Novosibirsk, Russian Federation), Shpagina Lyubov, Olga Kotova, Ilya Shpagin, Oksana Gerasimenko</td>
</tr>
</tbody>
</table>
The Minasarc study: A case-control study measuring mineral exposome in sarcoidosis
Vincent Michel (Villeurbanne, France), Vincent Michel, Cavalin Catherine, Catinon Mikael, Chemarin Cécile, Rio Stephane, Roux Elisabeth, Pecquet Mathieu, Blanchet Anne-Sophie, Vuillermoz Sylvie, Natalizio Audrey, Pison Christophe, Arbib François, Bonneterre Vincent, Valeyre Dominique, Freynet Olivia, Mormex Jean-Francois, Freymond Nathalie, Pacheco Yves, Thivolet Françoise, Kambouchner Marianne, Bernardin Jean-Francois, Rosental Paul-andré

Air pollution exposure is associated with restrictive rather than obstructive ventilatory patterns
Kim De Jong (Groningen, Netherlands), Kim de Jong, Judith Vonk, Wilma Zijlema, Ronald Stolk, Diana van der Plaat, Cleo van Diemen, Gerard Hoek, Bert Brunekreef, Dirkje Postma, Marike Boezen

Influence of fine particulate matter from household emissions on selected respiratory and cardiovascular diseases - Initial results
Artur Badyda (Warsaw, Poland), Artur Badyda, Andrzej Chcialowski, Piotr Dabrowiecki, Adam Stanczyk, Anna Gayer, Dominika Mucha, Lukasz Adamkiewicz

Professional development workshop: PD2 EBUS train the trainer
Part 3 - Supervised training and portfolio
Aims: Access educational materials here

Chairs: Jouke T. Annema (Amsterdam, Netherlands), Felix J.F. Herth (Heidelberg, Germany), Lars Konge (Virum, Denmark)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>09:00</td>
<td>Overview of project and current status</td>
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<tr>
<td>09:15</td>
<td>Training programme assessment methods</td>
</tr>
<tr>
<td>09:45</td>
<td>Participant/programme completion challenges and training programme expansion</td>
</tr>
<tr>
<td>10:15</td>
<td>Coffee break</td>
</tr>
<tr>
<td>10:45</td>
<td>How and when to give participants feedback during teaching and learning activities (lecture based, group exercises, simulator training, clinical observation)</td>
</tr>
<tr>
<td>11:15</td>
<td>Group exercise: simulated feedback sessions</td>
</tr>
<tr>
<td>11:45</td>
<td>Mentorship</td>
</tr>
</tbody>
</table>

Grand round: GR1 Paediatric Grand Round
an interactive session
Aims: The aim of this Grand Round is to present paediatric cases with respiratory problems and typical and difficult clinical questions. The audience will be engaged in discussions about best clinical care and will receive an update in paediatric respiratory medicine.

Track(s): Paediatric
Tag(s): Clinical
Target audience: Allergologist, Allied health professional, Clinician, Emergency medicine doctor, Fellow, General practitioner, Immunologist, Junior member, Neonatologist, Nurse, Paediatrician, Pulmonologist, Resident, Respiratory physician, Respiratory therapist, Sleep specialist/technologist, Student, Trainee

Chairs: Ernst Eber (GRAZ, Austria), Gunilla Hedlin (Stockholm, Sweden)

<table>
<thead>
<tr>
<th>Time</th>
<th>Case Study</th>
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</thead>
<tbody>
<tr>
<td>10:45</td>
<td>An infant with recurrent episodes of wheezing and failure to thrive</td>
</tr>
<tr>
<td>11:15</td>
<td>An infant with recurrent apnoeas</td>
</tr>
<tr>
<td>11:45</td>
<td>A child with persistent cough and haemoptisis</td>
</tr>
<tr>
<td>12:15</td>
<td>Shortness of breath, cough, and right-sided chest pain in a child</td>
</tr>
</tbody>
</table>
### Symposium: ERS and tuberculosis
#### Session 140  10:45 - 12:45

**Symposium: ERS and tuberculosis**

#### Aims:
This symposium will highlight some of the core achievements in Tuberculosis prevention and control. The focus will be on tuberculosis projects which involved ERS.

Specific objectives are to inform the audience about the new ATS guidelines (which had been developed in collaboration with ERS) and the requisite that new treatment regimens for TB need to have (Target Product Profiles—TPPs—as developed by WHO). During the session the new WHO document on new anti-TB regimens TPPs will be officially launched. Furthermore, the results of the WHO LTBI implementation plan and of the WHO/ERS digital health projects will be presented.

**Track(s):** Infection

**Target audience:** Allied health professional, Clinician, Epidemiologist, General practitioner, Fellow, Junior member, Microbiologist, Nurse, Paediatrician, Patient, Public health official, Pulmonologist, Trainee, TB specialist, Scientist, Respiratory physician, Researcher

**Chairs:** Giovanni Battista Migliori (Varese, Italy), Mario C. Raviglione (Geneva, Switzerland)

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
<th>Speaker/Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:45</td>
<td>The new ATS and ERS TB treatment guidelines</td>
<td>Payam Nahid (San Francisco, United States of America)</td>
</tr>
<tr>
<td>11:10</td>
<td>The new WHO TPPs (Target Product Profiles) for new TB treatment regimens</td>
<td>Christian Lienhardt (Marseille, France)</td>
</tr>
<tr>
<td>11:35</td>
<td>Scaling-up global implementation of LTBI management: a paradigm shift needed</td>
<td>Haileyesus Getahun (Genève, Switzerland)</td>
</tr>
<tr>
<td>12:00</td>
<td>Motivating TB patients via mobiles: today’s evidence and tomorrow’s</td>
<td>Dennis Falzon (Genève, Switzerland)</td>
</tr>
<tr>
<td>12:25</td>
<td>ERS Tuberculosis working group</td>
<td>Ivan Solovic (Vysne Hagy, Slovakia)</td>
</tr>
<tr>
<td>12:45</td>
<td>Ceremony for ERS/WHO Document</td>
<td></td>
</tr>
</tbody>
</table>

### Symposium: New statement on pulmonary rehabilitation
#### Session 141  10:45 - 12:45

**Symposium: New statement on pulmonary rehabilitation**

#### Aims:
The main aim of this session is to describe the key developments in pulmonary rehabilitation since the 2013 ATS/ERS statement on pulmonary rehabilitation.

**Tag(s):** Clinical

**Target audience:** Allied health professional, Cardiologist, Clinician, Fellow, General practitioner, Nurse, Occupational therapist, Physiologist, Physiotherapist, Psychologist, Pulmonologist, Researcher, Respiratory physician, Scientist, Social worker

**Chairs:** Daniel Langer (Leuven, Belgium), Enrico Maria Clini (Pavullo, Italy)

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
<th>Speaker/Institution</th>
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</thead>
<tbody>
<tr>
<td>10:45</td>
<td>Pulmonary rehabilitation: a summary of the 2016 ATS/ERS policy statement</td>
<td>Carolyn Rochester (New Haven, United States of America)</td>
</tr>
<tr>
<td>11:15</td>
<td>How to assess the efficacy of pulmonary rehabilitation?</td>
<td>Martijn A. Spruit (Horn, Netherlands)</td>
</tr>
<tr>
<td>11:45</td>
<td>Pulmonary rehabilitation in non-COPD: it is time to start referring!</td>
<td>Chris Burtin (Diepenbeek, Belgium)</td>
</tr>
<tr>
<td>12:15</td>
<td>Pulmonary rehabilitation: home alone?</td>
<td>Takanobu Shioya (Akita, Japan)</td>
</tr>
</tbody>
</table>

### Session: ERS-ALAT-SBPT-SEPAR-SPP joint session: Spanish and Portuguese Session II
#### Session 142  10:45 - 12:45

**Session: ERS-ALAT-SBPT-SEPAR-SPP joint session: Spanish and Portuguese Session II**

#### Aims:
The aims of this session are to discuss key issues in respiratory medicine, providing the opportunity to hear about the latest scientific developments. Note that the presentations will be conducted in Spanish, Portuguese or English with dual projection of slides in Spanish/Portuguese and English.

**Chairs:** Andrés Palomar Lever (Mexico, Mexico), Venceslau José Coelho Pinto Hespanhol (Porto, Portugal)

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
<th>Speaker/Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:45</td>
<td>Introduction by the Presidents</td>
<td>Andrés Palomar Lever (Mexico, Mexico), Venceslau José Coelho Pinto Hespanhol (Porto, Portugal)</td>
</tr>
</tbody>
</table>
**Session A**  
**Room A**  
**Session 143  10:45 - 12:45**

**Session: State-of-the-art research techniques in Royal Brompton Hospital and Imperial College London I**

**Aims:** To show how research is performed in Royal Brompton Hospital and Imperial College London and how techniques are applied to translational studies. The session will involve 30 minute video/slide presentations that describe the steps in research. Each session will be followed by Q&A sessions with the researchers and clinical scientists.

**Target audience:** Clinician, Fellow, Trainee, Student

**Chairs:** Peter J. Barnes (London, United Kingdom)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
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</thead>
<tbody>
<tr>
<td>10:45</td>
<td>Macrophages</td>
<td>Kylie Belchamber (London, United Kingdom)</td>
</tr>
<tr>
<td>11:15</td>
<td>Alveolar cells</td>
<td>Andrew Thorley (London, United Kingdom)</td>
</tr>
<tr>
<td>11:45</td>
<td>Nasoabsorption and bronchoabsorption</td>
<td>Trevor Hansel (London, United Kingdom)</td>
</tr>
<tr>
<td>12:15</td>
<td>Ciliary dysfunction</td>
<td>Andrew Bush (LONDON, United Kingdom)</td>
</tr>
</tbody>
</table>

**Room B**  
**Session 144  10:45 - 12:45**

**Symposium: Telemonitoring of ventilator-dependent patients**

**Looking into the future**

**Aims:** Home-mechanical ventilation requires patient and family cooperation. However, the clinical conditions, the need for technology, the lack of professional supervision, and acute exacerbations of the underlying disease can make management of home-mechanical ventilation a difficult task. Telemonitoring may help to improve the care of home-mechanically-ventilated patients. This symposium will describe the potential usefulness of telemonitoring in various settings.

**Track(s):** Intensive care

**Tag(s):** Clinical

**Target audience:** Clinician, Nurse, Physiotherapist, Pulmonologist, Respiratory physician, Sleep specialist/technologist

**Chairs:** Michael Dreher (Aachen, Germany), Nicholas S. Hill (Providence, United States of America)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
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</thead>
<tbody>
<tr>
<td>10:45</td>
<td>Telemonitoring in patients with amyotrophic lateralsclerosis and home-mechanical ventilation</td>
<td>Susana Pinto (Lisbon, Portugal)</td>
</tr>
<tr>
<td>11:15</td>
<td>Tele-rehabilitation for home-mechanically ventilated patients</td>
<td>João Carlos Winck (Vila Nova de Gaia, Portugal)</td>
</tr>
<tr>
<td>11:45</td>
<td>Telemonitoring to prevent exacerbations in patients with COPD and home-mechanical ventilation: a useful tool?</td>
<td>Jean Christian Borel (Meylan, France)</td>
</tr>
<tr>
<td>12:15</td>
<td>ERS consensus report on telemonitoring of ventilator-dependent patients</td>
<td>Nicolino Ambrosino (Volterra, Italy)</td>
</tr>
</tbody>
</table>
Symposium: New insights into the genetics of asthma

**Aims:** Many genome wide studies (GWS) have shown that various genetic polymorphisms influence asthma development. In particular, the risk of asthma seems to be modified by mutations that shape the acquisition of (or susceptibility to) respiratory infections; these mutations also interact with early life environmental factors and other unknown risk factors to modulate asthma risk. The first aim of this session is to give an overview of the basic techniques and results of the GWS on asthma. The second aim is to describe the implications of these results for clinicians, and how and whether this information can be translated into clinical practice. The third aim is to discuss the possible implications of pharmacogenetics in asthma research for future asthma therapy.

**Track(s):** Epidemiology / Environment

**Tag(s):** Translational

**Target audience:** Allergologist, Epidemiologist, Fellow, Immunologist, Junior member, Paediatrician, Pharmaceutical industry representative, Pulmonologist, Researcher, Respiratory physician, Scientist, Student, Trainee

**Chairs:** Angela Zacharasiewicz (Vienna, Austria), Torben Sigsgaard (Århus, Denmark)

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<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>10:45</td>
<td>The genetics of asthma</td>
<td>Miriam Moffatt (London, United Kingdom)</td>
</tr>
<tr>
<td>11:15</td>
<td>Epigenetic mechanisms of allergies and asthma</td>
<td>David Martino (Parkville, Australia)</td>
</tr>
<tr>
<td>11:45</td>
<td>Exposure and genetics of asthma</td>
<td></td>
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<tr>
<td>12:15</td>
<td>Pharmacogenetics in asthma</td>
<td>Eugene R. Bleecker (Winston-Salem, United States of America)</td>
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</tbody>
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**Oral Presentation: Population-based insights into occupational and environmental lung disease**

**Tag(s):** Healthy Lungs for Life (HLfL)

**Chairs:** Paul Cullinan (London, United Kingdom), Paul Blanc (San Francisco, United States of America)

<table>
<thead>
<tr>
<th>ID</th>
<th>Title</th>
<th>Presenters</th>
</tr>
</thead>
<tbody>
<tr>
<td>OA454</td>
<td>LATE-BREAKING ABSTRACT: A 50-year follow-up of domestic air pollution on current mortality patterns in England and Wales</td>
<td>David Phillips (Southampton, United Kingdom), David Phillips, Humphrey Southall, Paula Aucott, Clive Osmond, Stephen Holgate</td>
</tr>
<tr>
<td>OA455</td>
<td>Long term effect of cleaning on lung function decline among women in the ECRHS study</td>
<td>Oistein Svanes (Kleppesto, Norway), Oistein Svanes, Randi Jacobsen Bertelsen, Stein Håkon Låstad Lygre, Josep Maria Antó Boqué, Anne Elie Carsin, Manolis Kogevas, Benedictie Leynaert, Theodore Lytras, Maria Mirabella, Jesús Moratalla, Nicole Le Moual, Dan Norbäck, Mario Olivieri, Vivi Schlünnsen, Trude Duvelien Skorge, Jan-Paul Zock, Cecile Svanes</td>
</tr>
<tr>
<td>OA456</td>
<td>‘Hotspots’ of livestock farms may influence lung function of neighboring residents</td>
<td>Lidwien A.M. Smit (Utrecht, Netherlands), Floor Borlèe, C. Joris Yzermans, Bernadette Aalders, Jos Rooijackers, Esmeralda Krop, Kitty Maassen, Francois Schellevis, Dick Heederik, Lidwien A.M. Smit</td>
</tr>
<tr>
<td>OA457</td>
<td>Mortality due to IPF and mesothelioma in Europe - A link with historic asbestos use?</td>
<td>Christopher Barber (Sheffield, United Kingdom), Christopher Barber, Ruth Wiggans, David Fishwick</td>
</tr>
<tr>
<td>OA458</td>
<td>Silicosis in Dutch construction workers</td>
<td>Jos M. Rooijackers (Benedingen, Netherlands), Jos M. Rooijackers, Erik Stigter, Mischa Niederer, Pim A. de Jong, Bernadette Aalders, Ans van Geutselaar, Dick Heederik</td>
</tr>
<tr>
<td>OA459</td>
<td>Respiratory mortality risks in England and Wales associated with air pollution exposures up to 38 years previously</td>
<td>Anna Hansell (London, United Kingdom), Anna Hansell, Rebecca Ghosh, Marta Blangiardo, Chloe Perkins, Danielle Vienneau, Kayyoung Goffe, David Briggs, John Gulliver</td>
</tr>
<tr>
<td>OA460</td>
<td>Respiratory effects of vehicle exhaust ultrafine particles versus secondary ultrafine particles in ambient air</td>
<td>Aurelio Tobias (BARCELONA, Spain), Aurelio Tobias, Cristina Reche, Noemi Perez, Xavier Querol</td>
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**Oral Presentation: New therapies and therapeutic targets**

**Chairs:** Tracy Hussell (Manchester, United Kingdom), Clifford Taggart (Belfast, United Kingdom)
LATE-BREAKING ABSTRACT: The involvement of serotonin in cigarette smoke-induced airway remodeling in mice
Ting Yang (CHENGDU, China), Ting Yang, Hao Wang, Yongchun Shen, Chun Wan, Lei Chen, Caishuang Pang, Jiajia Dong, Fuqiang Wei, Liang Ma

LSC Abstract - Systemic and local metabolomics profiling reveals novel insights into the progression of emphysema
Thomas Conlon (Neuherberg, Germany), Thomas Conlon, Jörg Bartel, Cornelia Prehn, Jan Krumsieck, Fabian Theis, Jerzy Adamski, Oliver Eickelberg, Ali Önder Yıldırım

LSC Abstract - Peripheral blood myeloid-derived suppressor cells reflect disease status in IPF
Isis Enil Fernandez (Munich, Germany), Isis Enil Fernandez, Flavia Greiffo, Marion Frankenberger, Katharina Heinzelmann, Claus Neurohr, Rudolf Hatz, Jürgen Behr, Oliver Eickelberg

LSC Abstract - Network analysis of induced pluripotent stem cells secretome reveals its anti fibrotic action in rat lung injury model
Cedric Simillion (Bern, Switzerland), Cedric Simillion, Luca Tamo, Remy Bruggmann, Anis Feki, Antje Prasse, Amiq Gazdar, Thomas Geiser

LSC Abstract - Effects of vitamin D supplementation on perioperative markers of inflammation in patients at risk of acute respiratory distress syndrome (ARDS)
Rachel Dancer (Banbury, United Kingdom), Rachel Dancer, Dhruv Parekh, David Thickett

Reduced MicroRNA-19a causes constitutive high expression of PRMT1 and remodeling in asthma
Qingzhu Sun (Basel, Switzerland), Qingzhu Sun, Daiana Daiana Stolz, Michael Tamm, Shemin Lu, Michael Roth

Redefining the asthma treatment paradigm using a locally administered dual PI3Kgd inhibitor
Matt Thomas (Gothenburg, Sweden), Matt Thomas, Peter Bold, Karin Bjorhall, Andrew Butler, Johan Carlsson, Paulina Cygan, Maria Karlsson, Helena Lindmark, Rose Maciewicz, Mickael Mogemark, Vikki Morrison, Maria Nordberg, Matthew Perry, Sandra Rodrigo Blomqvist, Carla Winkler, Carl Goodyear, Kostas Karabelas

NDP52 inhibition rescues cigarette smoke mediated impairment of autophagy in macrophages
Yuta Kono (London, United Kingdom), Yuta Kono, Nicolas Mercado, Kazuhiro Ito, Peter Barnes, Thomas Colley

Oral Presentation: Endoscopic lung volume reduction I
Chairs: Dirk-Jan Slebos (Groningen, Netherlands), Arschang Valipour (WIEN, Austria)

LATE-BREAKING ABSTRACT: A multicenter, prospective, randomized, controlled trial of endobronchial valve therapy vs standard of care in homogenous emphysema (IMPACT)
Ralf Eberhardt (Heidelberg, Germany), Ralf Eberhardt, Dirk-Jan Slebos, Felix J.F. Herth, Kaid Darwiche, Manfred Wagner, Christoph Petermann, Ralf-Harto Hübner, Franz Stanzel, Arschang Valipour

One year follow-up after endobronchial valve treatment in patients with emphysema without interlobar collateral ventilation
Karin Klooster (Groningen, Netherlands), Karin Klooster, Jorine E. Hartman, Nick H.T. Ten Hacken, Dirk-Jan Slebos

Survival after endoscopic valve therapy in patients with severe emphysema
Daniela Gompelmann (Heidelberg, Germany), Daniela Gompelmann, Nicola Benjamin, Elena Bischoff, Hans Hoffmann, Claus-Peter Heussel, Felix J.F. Herth, Ralf Eberhardt

CT surrogates of interlobar collateral ventilation: Comparison against Chartis system measurements
Youbing Yin (Coralville, United States of America), Youbing Yin, Maren Schuhmann, Daniela Gompelmann, Ralf Eberhardt, Susan Wood, Felix Herth

Quantitative CT (QCT) analysis of emphysema and air trapping in coil-based lung volume reduction (LVR C) treatment
Konstantina Kontogianni (Heidelberg, Germany), Konstantina Kontogianni, Youbing Yin, Maren Schuhmann, Ralf Eberhardt, Daniela Gompelmann, Susan Wood, Felix Herth

STEP-UP randomized controlled trial of vapor ablation in patients with severe emphysema: 12 month results

Safety, feasibility and efficacy of 2% polidocanol in endobronchial sealing of bronchopleural fistulae - Phase 2 interventional clinical trial
Bojan Zoric (Sremska Kamenica, Republic of Serbia), Bojan Zoric, Goran Stojanovic, Evica Budisin, Marijela Potic, Tomi Kovacevic, Bratislav Perin
Intra-bullous adhesion pexia: A novel alternative to treat giant pulmonary bulla
Weiliang Li (Ningbo, China), Wei-Liang Li, Yong-Hua Li, Yu-Bo Yang, Li-Hui Lv

Room D
Session 149
10:45 - 12:45

Oral Presentation: IPF pathogenesis
Chairs: Toby Maher (St. Albans, Hertfordshire, United Kingdom), Bruno Crestani (Paris, France)

LATE-BREAKING ABSTRACT: Anti-fibrotic effects of nintedanib and pirfenidone in 2D versus 3D lung cultures
Mareike Lehmann (Munich, Germany), Mareike Lehmann, Lara Buhl, Darcy Wagner, Jürgen Behr, Michael Lindner, Melanie Königshoff

Induction of pro-fibrotic biomarkers in precision-cut lung slices (PCLS)
Christina Hesse (Hannover, Germany), Christina Hesse, Samuel Mang, Heinz-Gerd Hoymann, Monika Niehof, Peter Braubach, Danny Jonigk, Gregor Warnecke, Olaf Pfennig, Hans-Gerd Fieglth, Armin Braun, Katherina Sewald

The role of miR-21 and miR-34a in the fibrotic process of the lung
Patrizia Morbini (Pavia, Italy), Patrizia Morbini, Elena Rossi, Simona Inghilleri, Giuseppina Ferrario, Davide Piloni, Salvatore Cuzzocrea, Rosanna Di Paola, Fiorella Calabrese, Bart Vanaudenaerde, Federica Meloni

Germline SFTPA1 mutation in familial idiopathic interstitial pneumonia and lung cancer

Pirfenidone attenuates myofibroblast differentiation during insufficient mitophagy
yusuke kurita (Tokyo, Japan), yusuke kurita, Jun Araya, Hiromiti Harara, Shunsuke Minagawa, Nayuta Saito, Nahoko Sato, Kazuya Tubouchi, Masahiro Yoshida, Kenji Kobayashi, Takanori Numata, Yumi Kaneko, Katutoshi Nakayama, Kazuyoishi Kuwano

Mechanisms of treatment response to pirfenidone of idiopathic pulmonary fibrosis (IPF) patients
Nicola Ronan (Cork, Ireland), Nicola Ronan, Kashif A. Khan, Abirami Subramaniam, Yvonne McCarthy, Louise Burke, A. Chelliah, Barry J. Plant, Michael T. Henry

Safety and efficacy of pirfenidone in patients with lung fibrosis and TERT mutation
Aurélien Justet (Villemomble, France), Aurélien Justet, Raphael Borre, Hilario Nunes, Vincent Cotin, Sylvain Marchand Adam, Jacques Cadran, Emmanuel Bergot, Lidwine Wemeau-Stervineau, Jean Marc Naccache, Eline Magois, Irene Frachon, Anne Gondouin, Anas Medhaoui, Jean Francois Cordier, Dominique Valeyre, Bernard Grandchamp, Caroline Kanengiesser, Bruno Crestani

Metabolic shift during TGF-β-induced collagen synthesis
Brintha Selvarajah (London, United Kingdom), Brintha Selvarajah, Ilan Azuelos, Ellen Forty, Manuela Plate, Dimitris Anastasiou, Paul Mercer, Rachel Chambers

Room M
Session 150
10:45 - 12:45

Oral Presentation: Inflammatory biomarkers in airway diseases
Chairs: Stylianos Loukides (Voula, Athens, Greece), Peter J. Sterk (Amsterdam, Netherlands)

LATE-BREAKING ABSTRACT: Effects of growth and ageing on pulmonary nitric oxide dynamics in healthy subjects
Marieann Hogman (Uppsala, Sweden), Marieann Hogman, Anh-Tuan Dinh Tuan, Thong Hua Huy, Alexandra Thorndasson, Holger Dressel, Eeva Moilanen, Lauri Lehtimäki

TLR4 and NOD1 increase in stable COPD of increasing severity. Relationship with tissutal bacterial load
Antonino Di Stefano (Veruno, Italy), Antonino Di Stefano, Fabio L.M. Ricciardolo, Davide Vallesse, Isabella Gnmemi, Valentina Sorbello, Paola Brun, Armando Capelli, Francesco Cappello, Bruno Balbi

Exhaled NO (FNO2) in COPD - Results from the TIE-study
Alexandra Thorndasson (Gävle, Sweden), Alexandra Thorndasson, Jens Ellingsen, Johanna Sulku, Regina Bendrik, Björn Ställberg, Karin Lisspers, Christer Jansson, Andrei Marinovschi, Marieann Högman, TIE Study Group

Serum SP-A and SP-D levels in patients admitted to the hospital with acute COPD exacerbation
Andriana Papatolou (Vrilissia, Athens, Greece), Andriana Papatolou, Ellissavet Konstantelou, Anastasia Papaporyfiou, Konstantinos Bartzziakas, Aris Spathis, Petros Karakitsos, Petros Bakakos, Stelios Loukides, Nikolaos Koulouris, Spyros Papiris, Konstantinos Kostikas
Simultaneously increased serum periostin and urinary EDN relates to reduced lung function in adults with asthma from the Swedish GA2LEN study

Andrei Malinovschi (Uppsala, Sweden), Andrei Malinovschi, Christer Janson, Anna James, Ida Mogensen, Bertil Forsberg, Junya Ono, Shoihiro Ohta, Kjell Alving, Kenji Izuahara, Sven-Erik Dahlén

Elevated concentrations of CXCL8 in the nasal mucosal lining fluid of COPD patients as an accessible surrogate measure of bronchial levels

Craig Batista (London, United Kingdom), Craig Batista, Megan McIntosh, Trevor Hansel, Louise Donnelly, Peter Barnes

Exhaled nitric oxide (FeNO) levels to guide treatment for adults with asthma: A Cochrane systematic review

Sven-Erik Dahlen

Eosinophilic inflammation amplifies the prednisolone-induced prothrombotic state in asthma

Christof J. Majoir (Baarn, Netherlands), Christof J. Majoir, Marlous S. Sneeboer, Anne de Kievit, Joost C.M. Meijers, Tom van der Poll, Rene Lutter, Pieter Willem Kamphuisen, Elisabeth H. Bel

Room P

Session 151

10:45 - 12:45

Oral Presentation: Mesothelioma and pleural disease: from the bench to the bedside

Chairs: Ioannis Psallidas (Oxford, United Kingdom), Arnaud Scherpereel (Lille, France)

LATE-BREAKING ABSTRACT: Spontaneous pleurodesis rates in chemotherapy and non-chemotherapy patients undergoing indwelling pleural catheter insertion for malignant pleural effusion

Partihun Sivakumar (London, United Kingdom), Partihun Sivakumar, Alex West, Charleen Chan Wah Hak, Farinaz Noorzad, Liju Ahmed

Biological markers of successful pleurodesis for malignant pleural effusion

Ioannis Psallidas (Oxford, United Kingdom), Ioannis Psallidas, Nikolaos Kanellakis, Marie-Laetitia Thzenas, Philip Charles, John Corcoran, Rob Hallifax, Ambika Talwar, Ahmed Yousuf, John Wrightson, lan Pardvord, Climent Casals Pascual, Benedikt Kessler, Najib Rahman

Role of tumor derived versican in experimental malignant pleural mesothelioma

Apostolos Pappas (ATHENS, Greece), Apostolos Pappas, Sofia Magkouta, Maria Vazakidou, Ioannis Kalomenidis

A conditional mouse model of malignant pleural mesothelioma

Anthi Krondira (Patras, Greece), Anthi Krondira, Malamati Vreka, Marianthisi Iliopoulou, Ioannis Liliis, Theodora Agalioti, Nicoletta Spioropoulou, Georgia Giotopoulou, Yuval Rinkevich, Magda Spella, Georgios Stathopoulos, Antonia Marazioti

Folic acid phenotype (FAP) as superior marker to predict pemetrexed response in pleural mesothelioma

Fabian Mairinger (ESSEN, Germany), Robert Fred Henry Walter, Claudia Vollbrecht, Daniel Christian Christoph, Kurt Werner Schmid, Jens Kollmeier, Helmut Hans Popper, Thomas Mairinger, Fabian Mairinger

Breath analysis by gas chromatography-mass spectrometry can be used to screen for pleural mesothelioma

Kevin Lamote (Ghent, Belgium), Kevin Lamote, Joris Van Cleemput, Kristaia Nackaerts, Lore Vandermeersch, Herman Van Langenhove, Jan P. van Meerbeeck

Long-term outcome of patients with non-specific pleuritis on thoracoscopic or ultrasound-guided pleural biopsies

John Corcoran (Oxford, United Kingdom), John Corcoran, Ioannis Psallidas, Robert Hallifax, Ambika Talwar, Ahmed Yousuf, John Wrightson, Najib Rahman

Retrospective review of VATS (Plural) negative biopsy and their outcome in a university hospital

Shahul Leyakathali Khan (Newcastle under Lyme, United Kingdom), Abdissamad Ali, Mohammed Haris, Nadeem Maddekar, Shiva Bimalla, Lea Adam, Shilajit Ghosh, Abid Qamar, Chris Satur, Shahul Leyakathali Khan

Room K

Session 152

10:45 - 12:45

Oral Presentation: Repair pathways: from lung development to ageing of the lung

Chairs: Yasuhiko Nishioka (Tokushima, Japan), Oliver Eickelberg (Munich, Germany)

Introduction

Yasuhiko Nishioka (Tokushima, Japan)

LATE-BREAKING ABSTRACT: Fibroblast conditioned matrix: A new approach to study extracellular matrix (ECM) effects in idiopathic pulmonary fibrosis (IPF)

Gali Epstein Shochet (Kfar-Saba, Israel), Gali Epstein Shochet, Lilach Israeli-Shani, David Shritrit
OA503  LATE-BREAKING ABSTRACT: Do mesenchymal stromal cells provide an organ-specific tissue niche? - A proteomic matrisome characterization
Sara Rolandsson Enes (Lund, Sweden), Sara Rolandsson Enes, Emma Åhrman, Anitha Palani, Oskar Hallgren, Leif Bjermer, Stefan Scheding, Anders Malmström, Johan Malmström, Gunilla Westergren-Thorsson

OA504  A role for microRNA-29c in arrested alveolarisation associated with experimental bronchopulmonary dysplasia
David Surate Solaligue (Bad Nauheim, Germany), David Surate Solaligue, Diogo Silva, Werner Seeger, Rory Morty

OA505  The role of transglutaminase 2 in normal and aberrant late lung development
Ivana Mizikova (Bad Nauheim, Germany), Ivana Mizikova, Diogo Silva, Werner Seeger, Rory Morty

OA506  Mesenchyme associated transcription factor PRRX1: A key regulator of IPF fibroblast
Antoine Froidure (PARIS, France), Antoine Froidure, Emilienne Marchal-Duval, Mada Ghanem, Laura Gerish, Madeleine Jaillet, Bruno Crestani, Arnaud Mailleux

OA507  LSC Abstract - Enhanced expression of alarmins in pulmonary hypertension and fibrosis
Aleksandar Petrovic (Beograd, Republic of Serbia), Aleksandar Petrovic, Jan Niklas Schneider, Magorzata Wygrecka, Oleg Pak, Elie El Agha, Norbert Wiesmann, Saverio Bellusci, Djuro Kosanovic, Ralph Theo Schermuly

OA509  ATF3 regulates PINK1 transcription in lung epithelial cells of the aging lung
Ana Mora (Pittsburgh, United States of America), Marta Bueno, Judith Brands, Rama K. Mallampalli, Ana L. Mora

Room ICC Capital Suite  Session 153 10:45 - 12:45

Poster Discussion: Lung cancer and immune cells: friends or foes?
Chairs: Torsten Gerriet Blum (Berlin, Germany), Ales Rozman (Golnik, Slovenia)

PA510  Neutrophil to lymphocyte ratio (NLR) as a predictor of poor prognosis in advanced non-small cell lung cancer
Hela Cherif (Tunis, Tunisia), Hela Cherif, Saoussen Bacha, Amani Sghaier, Sonia Habibeche, Hager Racil, Sana Cheikhrouhou, Naouel Chaouech, Abdelatif Chabbou, Mohamed Lamine Megdiche

PA511  The prognostic impact of the neutrophil-to-lymphocyte ratio (NLR) and platelet-to-lymphocyte ratio (PLR) in patients with non-small cell lung cancer
Pnar Yldiz (Istanbul, Turkey), Pinar Yildiz, Mesut Bayraktaroglu

PA513  Correlation of IL-17A concentration with T regulatory cells in lung cancer microenvironment
Joanna Domaga a-Kulawik (Warsaw, Poland), Iwona Osinska, Anna Stelmasczyk-Emmel, Malgorzata Probsocz, Malgorzata Polubiec-Kownacka, Dariusz Dziedzic, Joanna Domagala-Kulawik

PA514  Feropotosis of alveolar macrophages in lung cancer
Svetlana Zunic (Beograd, Republic of Serbia), Svetlana Zunic, Snezana Zunic

PA515  CD163 and CCR7 markers for macrophage polarisation in patients with lung cancer
Joanna Domaga a-Kulawik (Warsaw, Poland), Iwona Osinska, Dominika Wolosz, Malgorzata Probsocz, Malgorzata Polubiec-Kownacka, Dariusz Dziedzic, Joanna Domagala-Kulawik

PA516  Interleukin 27 (IL27) as antitumor tool? Results from bronchoalveolar lavage (BAL) examination
Tomasz Wandtke (Bydgoszcz, Poland), Joanna Wozniak, Tomasz Wandtke, Joanna Chorostowska-Wynimko, Teresa Iwaniec, Cezary Rybacki, Blazej Przybylsawski, Piotr Kopinski

PA517  Pro and anti-inflammatory cytokines in patients with lung adenocarcinoma clinical stages IIIB and IV undergoing chemotherapy
Uriel Rumbo Nava (Mexico, Mexico), Uriel Rumbo Nava, José Sullivan López González, Lorenzo Islas Vázquez, Renata Alejandra Báez Saldaña

PA518  Advanced lung cancer inflammation index (ALI): A new prognostic score in patients with non small cell lung cancer
Saoussen Bacha (Ariane/Tunis, Tunisia), Saoussen Bacha, Sabrine Mejdoub, Amani Sghaier, Habibachi Sonia, Hager Racil, Sana Cheikhrouhou, Naouel Chaouech, Abdelatif Chabbou, Mohamed Lamine Megdiche

PA520  COPD-like inflammation drives the progression of K-ras induced early cancerous lesions
Christopher Jungnickel (Homburg, Germany), Christopher Jungnickel, Philipp Schnabel, Rainer Bohle, Robert Bals, Christoph Beisswenger

PA521  The opposition direction of LC3 A/B-I/II change in Raw264.7 cells and A549 cells treated with graphene oxide and its functionalized chemicals
Jong-Wook Shin (Seoul, Republic of Korea), Jong-Wook Shin, Jae Woo Jung, Jae Chul Choi, Jae Yeol Kim, In Won Park, Byoung Whui Choi, Chang Seok Park, Kyoung Soon Choi, Soo Young Kim
**PA522**
cAM P-response element binding protein in KRAS-driven lung adenocarcinoma  
Georgia Giotopoulou (Patra, Greece), Georgia Giotopoulou, Nikolitsa Spiropoulou, Evanthia Tourkochristou, Ioannis Lilis, Nikolaos Kanellakis, Anthodesmi Krontira, Georgios Stathopoulos, Antonia Marazioti

**PA524**
Bone marrow-derived mesenchymal stem cells involve in lymphangiogenesis of lung cancer  
Xian-Mei Zhou (Nanjing, China), Xian-Mei Zhou, Dan Wang, Jie Tang

**PA525**
Dihydroartemisinin combined with cisplatinum induced apoptosis and related mechanism research in human lung adenocarcinoma H1299 cells  
Xiao-Bo Yin (Qinhuangdao, China), Xiao-Bo Yin, Ping Wang, Yue Zheng, Shu-Feng Xu, Ai-Min Li, Jing Zhao, Fei-Fei Liu, Qi Tian

**PA526**
CellCollector®: A novel method for the isolation of circulating tumor cells (CTC) in vivo and ex vivo in lung cancer patients during therapy  
Bernd Schmidt (Halle, Germany), Bernd Schmidt, Hubertus Rolke, Clemens Oerding, Michael Fleischhacker

**Room ICC Capital Suite**  
**Session 154**  
**10:45 - 12:45**

**Poster Discussion: Effects of exercise training interventions in chronic respiratory disease**  
**Chairs:** Heleen Demeyer (Barcelona, Spain), Rainer Gloeckl (Schoenau am Koenigsee, Germany)

**PA527**
Mechanisms underlying the role of exercise training as part of a weight loss program on asthma control in obese asthmatics  
Patricia D Freitas (SAO PAULO/SP, Brazil), Patricia Freitas, Palmitra G. Ferreira, Aline G. Silva, Rafael Stelmach, Regina Carvalho-Pinto, Frederico L.A. Fernandes, Milton A. Martins, Marcio C. Mancini, Maria N. Sato, Celso R.F. Carvalho

**PA528**
Effects of a comprehensive program of physical training and oropharyngeal exercises in patients with obstructive sleep apnea syndrome: A randomized clinical trial  
Rodrigo Torres-Castro (SANTIAGO, Chile), Rodrigo Torres-Castro, Onintza Garmendia, Jordi Vilaró, Joan-Daniel Martí, Barbara Roman Andreoni, Jorge Rodríguez, Cristina Embid, Josep Montserrat

**PA529**
Feasibility, acceptability and safety of downhill walking during pulmonary rehabilitation for patients with COPD: Results from a randomised controlled trial  
Christian Osadnik (Melbourne, VIC, Australia), Christian Osadnik, Carlos Augusto Marcal Camillo, Matthias Loockx, Fernanda Maria Machado Rodrigues, Miek Hornikx, Heleen Demeyer, Chris Burtin, Wim Janssens, Thierry Troosters

**PA530**
Comparison of inspiratory muscle training and home-based rehabilitation approach in patients with primary ciliary dyskinesia  
Hazel Sonbahar-Ulu (Ankara, Turkey), Hazal Sonbahar-Ulu, Deniz Inal Ince, Cemile Bozdemir Ozel, Aslihan Cakmak, Naciye Vardar-Yagli, Melda Saglam, Ebru Calik-Kutukcu, Ozden Ozkal, Hulya Arikan, Nagehan Emiralioglu, Hayriye Uğur Ozcelik

**PA531**
Presence of Kartagener syndrome reduces exercise capacity in primary ciliary dyskinesia  

**PA532**
Home-based rehabilitation program with superimposed neuromuscular electrical stimulation in stable COPD patients  
Irene Torres Sanchez (Santa Fe, Spain), Irene Torres Sanchez, Marie Carmen Valenza, Tamara Del Corral Núñez-Flores, Concepción Morales García, Janet Rodríguez Torres, Gerald Valenza Demet

**PA533**
Cardiorespiratory demand during upper and lower limb resistance exercises in patients with COPD  
André Nyberg (Québec, QC, Canada), André Nyberg, Didier Saey, Mickael Martin, François Maltais

**PA534**
Reliability of using magnetic stimulation to evaluate muscle function in patients with severe to very severe COPD and healthy subjects  
André Nyberg (Québec, QC, Canada), André Nyberg, Didier Saey, Mickael Martin, François Maltais

**PA535**
Physical activity program improves exercise tolerance and aerobic capacity in bronchopulmonary dysplasia children  
Natália Morales Mestre (BRUXELLES, Belgium), Natalia Morales, Andrea Papaleo, Vicente Morales, Gregory Reychler

**PA536**
Comparison of 2 different modalities to determine training intensity in moderate intensity continuous (MIC) and high intensity interval (HIT) treadmill walking in patients with severe COPD - A pilot feasibility study  
Tessa Schneeberger (Schönau am Königssee, Germany), Tessa Schneeberger, Rainer Gloeckl, Inga Jarosch, Selina Adler, Andreas Jerrentrup, Klaus Kenn
Does preoperative exercise training prevent functional decline after video-assisted thoracic surgery?
Raquel SEBIO GARCIA (A Coruña, Spain), Raquel Sebio Garcia, Ana Lista Paz, Maria Isabel Yañez Brage, Esther Gimenez Moolhuyzen, Marta Salorio Rioboo, Jose María Borro Mate

"A cute effects using light-emitting diode therapy (LEDT) for muscle function during isometric exercise in asthma patients: Preliminary results"
Ivan Peres Costa (São Paulo, Brazil), Ivan Peres Costa, Lawrence Cahalin, Fabiano Politti, Etienne Farah Teixeira Carvalho, Ross Arena, Dirceu Costa, Nivaldo Antonio Parizotto, Luciana Malosa Sampaio

Supplemental oxygen during exercise training in people with COPD during pulmonary rehabilitation: A survey
Regina Leung (Sydney, NSW, Australia), Regina Leung, Zoe McKeeough, Sue Jenkins, Anne Holland, Kylie Hill, Norman Morris, Lissa Spencer, Catherine Hill, Annemarie Lee, Helen Seale, Nola Cecins, Christine McDonald

Preliminary efficacy of preoperative exercise training in patients with lung malignancies undergoing VATS
Raquel SEBIO GARCIA (A Coruña, Spain), Raquel Sebio Garcia, Ana Lista Paz, Maria Isabel Yañez Brage, Esther Gimenez Moolhuyzen, Marta Salorio Rioboo, Jose María Borro Mate

Effects of resistance training using elastic tube or bands on muscle function and body composition in COPD subjects
Fabiano Lima (PRESIDENTE PRUDENTE/SP, Brazil), Fabiano Lima, Ana Paula Freire, Bruna Silva, Paula Manfrim, Mariana Previatto, Paulo Gomes, Julia Lourenço, Fernando Zandonadi, Dionel Ramos, Luis Gobbo, Carlos Camillo, Ercy Mara Ramos

Room ICC Capital Suite 7  |  Session 155  |  10:45 - 12:45
Poster Discussion: In-patient and out-patient COPD management
Chairs: Janwillem Kocks (Groningen, Netherlands), Isa Cerveri (Pavia, Italy)

Readmissions in COPD: The perspective of the patient
Jan Willem K. van den Berg (Zwolle, Netherlands), Jan Willem K. van den Berg, Justin Blom

Effect of carbocysteine lysine salt on frequency of exacerbations in COPD patient treated with or without inhaled steroids
Federico Saibene (Milan, Italy), Federico Saibene, Gregorino Paone, Luigi Lanata, Giovanni Puglisi, Barbara Moscatelli, Renato Delli Colli

Report of outcomes from referral to a multidisciplinary COPD hyperinflation service in the UK
Joyce Chew (Cambridge, United Kingdom), Joyce Chew, Jurgen Herre, Susan Perrott, Aman Coonar, Judith Babar, Marco Scarci, Jas Parmar, Ravi Mahadeva

Challenges faced by practicing pulmonologists in the management of COPD in India
Simi Raghavan (Pune, India), Simi Raghavan, Monica Barne, Sushma Jadhav, Sapna Madas, Sundeeb Salvi

The impact of depression and anxiety on never-smokers COPD patients
REBECA SICILIA TORRES (Las Palmas de G.C., Spain), Rebeca Sicilia Torres, C. Cabrera, C. Casanova, F. León, G. Juliá, J. Marín, P. De Torres, M.A. García, M. Divo, B. Celli

Effectiveness of a comprehensive management program of fragile COPD patients
MARIA ASUNCION MACIA PALAZÓN (PALMA DE MALLORCA, Spain), Maria Asuncion Macia Palazon, Vanina Pardini, Federico Fiorentino, Angels Noguera, Rocio Martinez, Josep Lluis Valera, J.B. Soriano, Javier Verdú, Jaume Sauleda, Ernest Sala, Borja G. Cosío

Predictive factors of 90-days post-discharge COPD acute exacerbation’s recurrence
Ahmed Ben Saad (5000 Monastir, Tunisia), Ahmed Ben Saad, Hathami Mribah, Saoussen Cheikh Mhammed, Nesrine Fahem, Samah Joobeur, Naceur Rouatbi, Ali El Kamel

Change of COPD maintenance medication over two years in a large real life cohort: The DACCORD study
Peter Kardos (Frankfurt am Main, Germany), Peter Kardos, Claus Vogelmeier, Heinrich Worth, Roland Buhl, Claudia Mailaender, Nadine Lossi, Carl-Peter Crie

RT protocol reduces AECOPD readmissions
Jill Ohar (Winston-Salem, United States of America), Jill Ohar, Chee Loh, Tina Lovings, Sharon Cornelison, James Donohue

Comparison of spirometric z-scores with FEV1 percent prediction in predicting exacerbations in elderly COPD patients
Tang-Hsiu Huang (Tainan, Taiwan), Tang-Hsiu Huang, Chiung-Chi Chen, Han-Yu Chang, Tzuen-Ren Hsieu

Can we personalize COPD treatment by exacerbation frequency and severity? Three years of follow-up
Francesca Bigazzi (FIRENZE, Italy), Francesca Bigazzi, Viola Bonti, Alessio Garcea, Matteo Paoletti, Gianna Camiciottoli, Massimo Pistolesi
Factors associated with self-reported reduced walking time in patients with COPD
Maria Antonia Ramon (Barcelona, Spain), Maria Antonia Ramon, Cristina Esquinas, Miriam Barrecheguren, Eulogio Pleguezuelos, Jesús Molina, José Antonio Quintano, Miguel Román-Rodríguez, Karlos Naberan, Carl Llor, Carlos Roncero, Marc Miravitlles

Aspergillus in COPD patients; is it a predictor for mortality?
Leonie Imming (Weerselo, Netherlands), Leonie Imming, Rob Klont, Paul van der Valk, Marjolein Brusse-Keizer

Pharmacotherapy of COPD in Central and Eastern Europe - The POPE study
Ruzena Tkacova (Kosice, Slovakia), Ruzena Tkacova, Jan Svacara, Vladimir Koblizek, Attila Somfay, Branislava Milenkovic, Adam Barczyk, Kirill Zykov, Neven Tudoric, Kosta Kostov, Jurij Sorli, Alvils Krams, Zuzana Zbozinkova, Marc Miravitlles, Arschang Valipour

Longitudinal changes in COPD patients in primary care
Hana Müllerová (Uxbridge, Middlesex, United Kingdom), Hana Müllerová, Jadwiga Wedzicha, Marc Decramer, Paul Jones

Hypoxia altitude simulation test (HAST) versus hypobaric chamber test (HCT) in COPD patients
Christina Priegnitz (Solingen, Germany), Christina Priegnitz, Marcel Treml, Norbert Anduleit, Matthias Putzke, Jürgen Wenzel, Winfried J. Randerath

Late-breaking abstract: Biomarkers in exacerbations of chronic obstructive pulmonary disease (ECOPD)
Juliana Gjerazi (Fier, Albania), Juliana Gjerazi, Ervisi Rapaj, Teuta Feleqi, Irma Tashi, Jolanda Duka, Majlinda Hoxha, Albana Duka, Anula Bulo, Regina Hasa, Jul Bushati

Impact of the genetic variation of GLCCI1 on clinical features of asthmatic patients
Yutaka Nakamura (Morioka, Japan), Shinji Chiba, Yutaka Nakamura, Hiromi Nagashima, Naoto Morikawa, Nobuhito Sasaki, Kohei Yamauchi

Peripheral pathological ILC2: An inflammatory indicator for the assessment of asthma control in clinics
Zhihong Chen (Shanghai, China), Zhihong Chen, Yi Jia, Renhong Tang, Chunxue Bai

Ribosomal protein S3 gene silencing protects against experimental allergic asthma
Jinrui Dong (Singapore, Singapore), Jinrui Dong, Wupeng Liao, Hong Yong Peh, Tze Khee Chan, W.S. Daniel Tan, Li Li, W.S. Fred Wong

Identification of therapeutic targets for steroid-insensitive asthma using models that represent different clinical subtypes of disease
Jay Horvat (Newcastle, Australia), Jay Horvat, Richard Kim, James Pinkerton, Brittany Rae, Malcolm Starkey, Ama-Tawiah Essilfie, Jemma Mayall, Bernadette Jones, Tait Jhong Haw, Hiem Nguyen, Simon Keely, Joerg Mattes, Ian Adcock, Paul Foster, Philip Hansbro

NLRP3 inflammasome-mediated, IL-1β-dependent inflammatory responses drive steroid-resistant asthma
Jay Horvat (Newcastle, Australia), Jay Horvat, Richard Kim, James Pinkerton, Ama-Tawiah Essilfie, Avril Robertson, Katherine Baines, Jemma Mayall, Malcolm Starkey, Peter Wark, Peter Gibson, Luke O’Neill, Matthew Cooper, Philip Hansbro

Impact of childhood and adolescence overweight on airway hyperresponsiveness in adulthood, a 20-year follow-up study
Louise Toennesen (Copenhagen, Denmark), Louise Toennesen, Celeste Porsbjerg, Charlotte Ulrik, Lotte Harmsen, Asger Bjerregaard, Vibeke Backer

Predictors of long-term lung function decline in adult-onset asthma
Minna Tommola (Seinäjoki, Finland), Minna Tommola, Pinja Ilmarinen, Leena Tuomisto, Jussi Haanpää, Terhi Kankaanranta, Onni Niemelä, Hannu Kankaanranta

Relationship between serum periostin and airway wall thickness in asthma
Makoto Hoshino (Atami, Japan), Makoto Hoshino, Junichi Ohtawa, Kentaro Akita

High proportion of overlap between adult asthma phenotypes in a large population-based sample
Rita Amaral (Porto, Portugal), Rita Amaral, João A. Fonseca, Tiago Jacinto, Ana Margarida Pereira, Andrei Malinovschi, Christer Janson, Kjell Alving
Forced oscillation technique as a predictor of airway hyper-responsiveness in asthma
Taisuke Akamatsu (Shizuoka, Japan), Taisuke Akamatsu, Yuko Tanaka, Hirofumi Watanabe, Yoshinari Endo, Yukiko Shimoda, Takahito Suzuki, Ichiro Hayashi, Shogo Sakurai, Mika Saigusa, Akito Yamamoto, Yuichiro Shishido, Takefumi Akita, Satoru Morita, Kazuhiro Asada, Toshihiro Shirai

Investigating antioxidant therapy for steroid-resistant asthma
James Pinkerton (New Lambton Heights, Australia), James Pinkerton, Richard Kim, Ama-Tawiah Essilfie, Brittany Rae, Jemma Mayall, Md. Khadem Ali, Malcolm Starkey, Lisa Wood, Shyma Biswal, Jay Horvat, Philip Hansbro

Treadmill exercise decreases expression of innate immunity molecules in peripheral blood leukocytes in competitive athletes, asthmatics and healthy subjects
Marcin Maciej Kurowski (Lodz, Poland), Marcin Maciej Kurowski, Janusz Jurczyk, Małgorzata Pawelczyk, Aleksandra Szauc, Hubert Krysztofiak, Marek L. Kowalski

Caspace-1 induces upstream Th2-cytokines IL-33 and TSLP and eosinophilia at viral induced asthma exacerbations
Mandy Menzel (Lund, Sweden), Samuel Cerps, Irma Mahmudovic Persson, Hamid Akbarshahi, Lena Uller

Increased levels of apoptotic and necrotic markers during asthma exacerbation
Samuel Cerps (LUND, Sweden), Samuel Cerps, Mandy Menzel, Hamid Akbarshahi, Lena Uller

Obese patients with partially controlled asthma: Weight control shows more benefit in IgE low patients
Edin Jusufovic (Tuzla, Bosnia and Herzegovina), Edin Jusufovic, Mitja Kosnik, Rifiat Sejdinovic, Elida Turkusíc, Muneversa Osmic, Alna Nadarevic, Fransi Pettrak, Dzenan Halitovic, Azra Jusufovic, Besim Pnjavorac

Free serum IL-18 levels and responsiveness to omalizumab in patients with severe asthma
Tomoko Tajiri (Kyoto-shi, Japan), Tomoko Tajiri, Hisako Matsumoto, Yasuhiro Gon, Reiko Ito, Shu Hashimoto, Kenji Izuharu, Junya Ono, Shoichiro Ohto, Isao Ito, Tsuyoshi Oguma, Hideki Inoue, Tadao Nagasaki, Yoshihiro Kanemitsu, Akio Niimi, Michiaki Mishima

Risk factors of fixed airway obstruction in elderly patients with asthma

Exhaled nitric oxide variations during oral challenge with different NSAIDs in patients with aspirin-induced asthma
Konstantinos Porpodis (Thessaloniki, Greece), Lambros Ganavias, Konstantinos Porpodis, Konstantinos Katsoulis, Dimitrios Gioulekas, Lazaros Sichletidis, Konstantinos Zarogoulidis, Despoina Papakosta

The spontaneous pneumothorax (SP) in women associated with thoracic endometriosis (TE)
Alexey Pichurov (Saint-Petersburg, Russian Federation), Alexey Pichurov, Oleg Orzheshkovskii, Alexey Petrunkin, Mihail Atukov, Piotr Yablonskii

Intrapulmonary endometriosis is rare thoracic pathology
Ivetta Dvorakowskaya (Saint-Petersburg, Russian Federation), Ivetta Dvorakowskaya, Irina Platonova, Victoriya Pechennikova, Alexey Pichurov, Oleg Orzheshkovskii, Boris Ariel, Petr Yablonskiy

Does the pubertal growth affect the occurrence of primary spontaneous pneumothorax?
Tevfik Ilker Akcam (Izmir, Turkey), Tevfik Ilker Akcam, Sukran Darcan, Ali Özdiil, Onder Kavrarmaci, Ayse Gul Ergonul, Kutsal Turhan, Alpaslan Cakan, Ufuk Cagirici

Pre-operative anaemia does not influence clinical outcome in patients undergoing pulmonary endarterectomy (PEA)
Emilia Pietti (Warsaw, Poland), Emilia Pietti, Emily Bales, Martin Besser, John Cannon, Mark Toshner, Dolores Taboada, Karen Sheares, David Jenkins, Joanna Pepke-Zaba

Diagnostics and surgical treatment of polycystic disease of lungs
Rustem Hayaliyev (Tashkent, Uzbekistan), Rustem Hayaliyev, Georgiy Pakhomov, Shuhrat Khudayberganov, Otubek Eshonkhodjaev, Jalolidin Sadullaev

Clinical presentation and characteristics of 25 adult cases of pulmonary sequestration, a retrospective study
Mateusz Polaczek (Warsaw, Poland), Mateusz Polaczek, Jacek Zych, Inga Baranska, Piotr Rudzinski, Malgorzata Szolkowska, Renata Langfort, Iwona Bestry, Tadeusz Orłowski, Kazimierz Roszkowski-Sliż
PA584 Is surgery still an option in bronchiectasis? Fatma Isil Uzel (Istanbul, Turkey), Fatma Isil Uzel, Sedat Altin, Ali Cevat Kutluk, Necati Çitak, Levent Cansever, Celalettin Ibrahim Kocatürk, Esin Tuncay

PA585 Abrahamson technique for pectus carinatum deformity: A video presentation Ali NAYCI (MERS – N, Turkey), Ali Nayeı, Gökhan Berktug Bahadir, Hakan Taskınlar, Dogakan Yigit, Dincer Avlan

PA586 Surgical treatment for chest wall chondrosarcoma Kenan Can Ceylan (Izmir, Turkey), Kenan Can Ceylan, Seyda Ors Kaya, Tuba Acar, Ozgur Samancilar

PA587 Elastofibroma dorsi: A rare tumor of chest wall Sena Urgur Caliskan (Izmir, Turkey), Kenan Can Ceylan, Seyda Ors Kaya, Sena Urgur Caliskan, Serpil Sevinc, Onur Akcay

PA588 The impact of lung cancer resection surgery on fibrinogen and C-reactive protein and their relationship with patients outcomes: A prospective follow up study Ingrid Nogueira (Fortaleza, Brazil), Ingrid Nogueira, Amanda Araújo, Maria Tereza Morano, Antero Gomes Neto, Israel Medeiros, Clarissa Magalhaes, Guilherme Silva, Herbert Costa, Manoel Odorico Moraes Filho, Flávia Santos, Eanes Pereira

PA589 Prediction of post-pneumonectomy respiration Bernard Sapoval (Palaiseau, France), Min-Yeong Kang, Hervé Guénard, Bernard Sapoval

PA590 Sleeve lung resection for non-small cell lung cancer after induction therapy: A safe method Kenan Can Ceylan (Izmir, Turkey), Kenan Can Ceylan, Seyda Ors Kaya, Taner Ozturk, Ozan Usluer, Saban Unsal, Serpil Sevinc

PA591 Correlation between clinical and pathological factors in resected lung carcinoid tumours Dragan R. Subotic (Belgrade, Republic of Serbia), Dragan R. Subotic, Nikola Atanasijadis, Vladimir Milenkovic, Milan Savic, Dejan Moskovljevic, Jelena Stojisic

PA592 Completion pneumonectomy for lung cancer relapse after surgery - What is a real benefit? Dragan R. Subotic (Belgrade, Republic of Serbia), Dragan R. Subotic, Nikola Atanasijadis, Milan Savic, Dejan Moskovljevic, Milan Gagic

PA593 Videothoracoscopy in the differential diagnosis disseminated pulmonary diseases Dmitriy Pilkevich (Yekaterinburg, Russian Federation), Dmitriy Pilkevich, Sergey Skornyakov, Marina Lehlyayder, Aleksey Medyakov, Nikita Gorbunov, Dinar Gatautov

PA594 Relapsed hydatid disease Rustem Hayaliev (Tashkent, Uzbekistan), Rustem Hayaliev, Georgiy Pakhomov, Shahrud Khudaybergenov, Shohruh Ahmedov

PA595 Adrenalectomy for isolated lesions in operable patients with non-small-cell lung cancer Anatoli Semkov (Sofia, Bulgaria), Danail Petrov, Georgi Iankov, Svetlana Shumarova, Anatoli Semkov, Georgi Todorov

Room ICC Capital Suite 9 Session 158 10:45 - 12:45

Poster Discussion: Community-acquired pneumonia: from prevention to treatment Chairs: Antonio R. Anzueto (San Antonio, United States of America), Yuichiro Shindo (Nagoya, Japan)

PA596 The impact of smoking on community acquired pneumonia course and outcomes Adamadia Liapikou (Athens, Greece), Adamadia Liapikou, Sotiria Makrodimitri, Konstantina Deskata, Matthew Katsaras, Christina Triantafillidou, Katerina Dimakou, Ioannis Dimitroulis, Michael Tzovlas

PA597 Relationship between the use of inhaled steroids and early outcomes in community-acquired pneumonia Adamadia Liapikou (Athens, Greece), Adamadia Liapikou, Sotiria Makrodimitri, Sofia Raftopoulou, Andreas Anastasopoulos, Panagiotis Petras, Micael Tzovlas

PA598 The impact of hyperglycaemia on community-acquired pneumonia: A retrospective cohort study Andreas Vestergaard Jensen (Roskilde, Denmark), Andreas Vestergaard Jensen, Gertrud Baunbaek-Knudsen, Stine Bang Andersen, Pelle Trier Petersen, Thomas Benfield, Daniel Fauroht-Jepsen, Gernot Rohde, Pernille Ravn

PA599 Characteristics of pneumococcal community-acquired pneumonia presenting with respiratory failure Leyre Serrano Fernandez (Bilbao (Bizkaia), Spain), Leyre Serrano Fernandez, Luis Alberto Ruiz, Pedro Pablo España, Ainhoa Gomez, Lorea Martinez-Indart, Marta Garcia, Amaia Aramburu, Alberto Capelastegui, Rafael Zalacain

PA600 Can procalcitonin or C-reactive protein predict suppurative lung complications and ARDS at severe community-acquired pneumonia (CAP)? Kseniia Bielosludtseva (Dniepropetrovsk, Ukraine), Kseniia Bielosludtseva, Tetyana Pertzova, Tetyana Kireyeva
PA601 YKL-40 and CCL18 predict mortality in patients hospitalised with community-acquired pneumonia; an observational analysis
Simone Spoorenberg (Nieuwegein, Netherlands), Simone Spoorenberg, Stefan Vestjens, Ger Rijkers, Bob Meek, Coline van Moorsel, Jan Grutters, Willem Jan Bos

PA602 Critical review of the current management of pleural infection in a UK district general hospital. Applying the MIST II (multicentre intrapleural sepsis trial) evidence to our current practice
Benjamin Peirce (Cambridge, United Kingdom), Benjamin Peirce, Thomas Pulimood, Clare Harris

PA603 Serum procalcitonin as a potential biomarker of surgery in parapneumonic pleural effusions
Arturo Cortes-Telles (Merida, Yucatan, Mexico), Arturo Cortes-Telles, Angel Emmanuel Vega-Sanchez, Jose Luis Che-Morales, Danielle Aimee Manjarrez-Martín, Gary Kosai Vargas-Mendoza

PA604 Bacteremic vs. non-bacteremic pneumococcal pneumonia in immunocompetent patients: Predictive and prognostic factors
Rosanel Amaro Rodriguez (Premia de Dalt (Barcelona), Spain), Rosanel Amaro Rodriguez, Adamatia Liapikou, Catia Cilloniz, Albert Gabarrús, Francesc Marco, Jacobo Sellarés, Eva Polverino, Javier Garau, Miquel Ferrer, Daniel M. Musher, Antoni Torres

PA605 The risk factors of clinical practice for bacteremia in community-acquired pneumococcal pneumonia
Yasuyoshi Washio (Kurashiki, Japan), Yasuyoshi Washio, Akihiro Ito, Shogo Kumagai, Tadashi Ishida

PA606 Predisposing factors for bacteremia in patients with community-acquired pneumonia and positive pneumococcal urinary antigen
Leyre Serrano Fernandez (Bilbao (Bizkaia), Spain), Leyre Serrano Fernandez, Rafael Zalacain, Alberto Capelastegi, Ainhoa Gomez, Lorea Martinez-Indart, Marta Garcia, Ane Uranga, Pedro Pablo España, Luis Alberto Ruiz

PA607 Clinical impact of a prediction score for drug-resistance in community-onset pneumonia
Brandon Webb (Murray, United States of America), Brandon Webb, Jeff Sorensen, Herman Post, Peter Jones, Dominika Swistun, Al Jeppson, Nathan Dean

PA608 Community-acquired pneumonia due to multidrug and non-multidrug resistant pseudomonas aeruginosa
Catia Cilloniz Campos (Barcelona, Spain), Catia Cilloniz Campos, Albert Gabarrús, Adamanthia Liapikou, Daniel Martinez, Michael Niederman, Antoni Torres

PA609 Effect of giving antibiotics within 4 hours to patients with community-acquired pneumonia on mortality, length of stay and critical care admission
Olivia George (Manchester, United Kingdom), Olivia George, Ian Webster

PA610 Empirical treatment of community-acquired pneumonia after outpatient beta-lactam therapy
Cornelis H. van Werkhoven (Utrecht, Netherlands), Cornelis H. van Werkhoven, Ewoudt M.W. van de Garde, Jan Jelrik Oosterheert, Douwe F. Postma, Marc J.M. Bonten

PA611 Empiric penicillin monotherapy of CAP is not associated with increased mortality; experiences from the retrospective CAP-North cohort
Gertrud Baunbæk-Knudsen (FREDERIKSBERG, Denmark), Gertrud Baunbæk-Knudsen, Andreas Vestergaard Jensen, Stine Andersen, Pelle Trier Petersen, Bjarne Ørskov Lindhardt, Christian von Plessen, Gernot Rohde, Pernille Ravn

PA612 No preventive effects of 23-valent pneumococcal polysaccharide vaccine in patients with chronic renal failure
Meng-Jer Hsieh (Taipei, Taiwan), Meng-Jer Hsieh, Ching-Chen Yu, Han-Chung Hu, Ying-Huang Thai

PA613 Evolutionary trend of invasive pneumococcal disease according to serotypes
Maria Jose Galvez Medina (Madrid, Spain), Maria Jose Galvez Medina, Angela Ramos Pinedo, Jose Francisco Valverde Canovas, Elia Perez, Javier Solano, Mercedes Izquierdo, Nuria Echave, Marta Inmaculada Hernandez

T-01 Session 165 12:50 - 14:40

Thematic Poster: Clinical characteristics of asthma

PA617 A case diagnosed ACOS with omelizumab treatment
bilge salik (izmir, Turkey), Bilge Salik, Berna Komurcuoglu, Enver Yalniz

PA618 Assessment of the bioequivalence of two DPIs containing fluticasone and salmeterol, in patients with controlled or partly controlled asthma
Katerina Athanassiou (Pikermi, Greece), Katerina Athanassiou, Luigi Silvestro, Simona Rizea Savu
Predicting inhaler technique maintenance: An art or a science?
Sinthia Bosnic-Anticevich (Sydney, Australia), Sinthia Bosnic-Anticevich, Elizabeth Azzi, Pamela Srour, Carol Armour, Cynthia Rand

Asthma diagnosis in children with community-acquired pneumonia: New challenges
Zoia Nesterenko (Saint-Petersburg, Russian Federation), Zoia Nesterenko

The asthma-COPD overlap syndrome: A comparison of asthma outcomes in smoking vs non-smoking patients with incompletely reversible airway obstruction (IRAQ)
Marie-Eve Boulay (Quebec, Canada), Marie-Eve Boulay, Joanne Milpat, Johane Lepage, François Maltais, Louis-Philippe Boulet

LSC Abstract - Changes of peripheral blood eosinophil activity during allergen-induced late-phase airway inflammation in asthma
Ieva Janulaityte (Kaunas, Lithuania), Ieva Janulaityte, Simona Lavinskiene, Deimante Hoppenot, Kestutis Malakauskas, Raimundas Sakalauskas

Sublingual immunotherapy among patients, suffering from allergic rhinitis
Nataly Tataurshchikova (Moscow, Russian Federation), Nataly Tataurshchikova

Effects of low level laser therapy in experimental model of asthma induced by house dust mite
Hiroshi Nakano (Yamagata, Japan), Masamichi Sato, Yoko Shibata, Sumito Inoue, Akira Igarashi, Yoshikane Tokairin, Tomomi Kimura, Keiko Yamauchi, Takako Nemoto, Kento Sato, Hiroshi Nakano, Takahito Yagihashi, Isao Kubota

Real-life effectiveness of budesonide/formoterol for the management of asthma and COPD
Hicham Benhaddi (Brussels, Belgium), Hicham Benhaddi, Marianka Van Der Tol, David Price, Bakhtiyor Khalikulov, Rinat Ariely

E-selectin as a prognostic factor of patients who hospitalized for respiratory inflammation diseases; a single institutional study
Hiroshi Nakano (Yamagata, Japan), Masamichi Sato, Yoko Shibata, Sumito Inoue, Akira Igarashi, Yoshikane Tokairin, Tomomi Kimura, Keiko Yamauchi, Takako Nemoto, Kento Sato, Hiroshi Nakano, Takahito Yagihashi, Isao Kubota

Dysfunctional breathing in asthma is associated with poor asthma control after specialist management
Sandra Veidal (Copenhagen, Denmark), Sandra Veidal, Asger Sverrild, Vibeke Backer, Celeste Porsbjerg

The effectiveness of patient education to improve adherence to the asthma treatment
Larisa V. Bogovin (Blagoveshchensk, Amur Oblast, Russian Federation), Larisa V. Bogovin, Juliy M. Perelman, Victor P. Kolosov, Anastasiya S. Shabanova

LSC Abstract - Eosinophils enhance WNT-5a and TGF-1 genes expression in airway smooth muscle cells and promote their proliferation in asthma
Andrius Januskevicius (Kaunas, Lithuania), Andrius Januskevicius, Simona Lavinskiene, Reinoud Gosens, Ieva Janulaityte, Deimante Hoppenot, Raimundas Sakalauskas, Kestutis Malakauskas

LATE-BREAKING ABSTRACT: Research of large aperture fenestration emphysema model in pigs
mao min (wuxi, China), Mao Min

LATE-BREAKING ABSTRACT: Large differences in rate of reported and unreported COPD exacerbations in Japanese patients; data from the COSMOS-J trial
Paul Jones (London, United Kingdom), Paul Jones, Motokazu Kato, Keisaku Fujimoto, Akihiro Kobayashi, Tomoyuki Hayamizu, Hideki Hitosugi, Mark James, Gerald Hagan, Tomoko Betsuyaku

LATE-BREAKING ABSTRACT: CAT for evaluation of recovery after severe exacerbation of COPD
Dimitrina Stoyanova (Plovdiv, Bulgaria), Dimitrina Stoyanova, Roman Kalinov, Blagoi Marinov, Vladimir Hodgev, Stefan Kostianev

Thematic Poster: Features and impact of comorbidities in COPD
Chairs: Gema Tirado Conde (El Puerto de Santa Maria, Spain), Maud Koopman (Bilthoven, Netherlands), Nataliia Sanina (Dnipropetrovsk, Ukraine), Nicoletta Morelli (The Hague, Netherlands)

Comorbidities and body mass index in subjects with chronic obstructive pulmonary disease
Dejana Vukovic (Belgrade, Republic of Serbia), Dejana Vukovic, Ljudmila Nagorni Obradovic

Metabolic regulation during the co-existence of COPD and DM type2
Elene Sherozia (Tbilisi, Georgia), Elene Sherozia, Liza Peirkishvili, Lali Nikoleishvili, Tamar Kakhniashvili
The relationship between the severity of obstructive sleep apnea syndrome and severity of chronic obstructive pulmonary disease (COPD) associated with coronary artery disease (CAD)
Iuliia Kharchenko (Kharkiv, Ukraine), Iuliia Kharchenko, Olena Krakmalova, Olena Izmailova

Features of clinical course of chronic obstructive pulmonary disease and ischemic heart disease in case of comorbidity
Daria Didenko (Vinnitza, Ukraine), Daria Didenko, Lesya Rasputina, Yuriy Mostovoy, Nataliya Cherepii

Chronic obstructive pulmonary disease assessment test (CAT) in patients with COPD, chronic heart failure (CHF), and both
Leonardo Michele Fabbri (Modena, Italy), Sara Roversi, Bianca Beghé, Valentina Ruggieri, Martina Garofalo, Alessia Verdui, Sara Balduzzi, Michela Schito, Leonardo Michele Fabbri, Enrico Clini, Piera Boschetto

Effect of weight loss on COPD-associated comorbidities in obese COPD
Netsanet Negewo (Newcastle, Australia), Netsanet Negewo, Peter Gibson, Lisa Wood, Katherine Baines, Vanessa McDonald

Bone attenuation on chest computed tomography correlates with bone mineral density on densitometry in patients with emphysema and COPD
JESSICA GONZALEZ GUTIERREZ (Mutilva baja (Pamplona), Spain), Jessica Gonzalez Gutierrez, Pilar Rivera Ortega, Patricia Restituto, Nerea Varo, Inmaculada Colina, Amparo Calleja, Macarena Rodriguez, Gorka Mastarrika, Ana Belen Alcaide, Arantza Campo, Javier Zulueta, Juan Pablo De Torres

Hypoxia in flight simulation in obese patients with or without COPD
Christina Priegnitz (Solingen, Germany), Christina Priegnitz, Marcel Tremel, Norbert Anduleit, Matthias Putzke, Jürgen Wenzel, Winfried J. Randerath

Impact of comorbidities in COPD prognostic scores
Amaia Aramburu Ojembarrena (Galdakao, Spain), Amaia Aramburu Ojembarrena, Inmaculada Arostegui, Txomin Zabala, Amaia Garcia, Iranzu Barrio, Francisco Javier Moraza, Ane Uranga, Alberto Capelastegui, Cristobal Esteban

Effect of auto-CPAP therapy on parameters of rhinomanometry in patients with COPD combined with OSAHS
Ksenia Nazarenko (Kiev, Ukraine), Ksenia Nazarenko, Yuri Feschenko, Liudmyla Iashyna, Viktoria Ignatieva, Svitlana Opimah, Svitlana Moskalenko, Natalia Diachenko

Diabetes and hospitalization for COPD exacerbation
Michele Porzio (Strasbourg, France), Michele Porzio, Hany El Khoury, Alhassane Barry Mamadou, Matthieu Canuet, Laurence Kessler, Romain Kessler

Top-10 comorbidities of symptomatic patients with moderate COPD in the clinical setting of the CRYSTAL study
Andreas Clemens (Basel, Switzerland), Andreas Clemens, Claus Vogelmeier, Timm Greulich, Jose M. Marin, Walter Castellani, Thomas Similowski, Vincent Ninane, Mina Gaga, Stephen Lane, Maryam Aalamian-Mattheis, Xavier Nunez, Konstantinos Kostikas

Morphological markers of resistance bronchial mucosa of smokers to the development of COPD
Ivan Krems (Tomsk, Russian Federation), Ivan Kremsi, Ekaterina Bukreeva, Elena Gereng

Statistical analysis of anthropometric differences between COPD stages 1 and 2
Stefan A. Mihaicuta (Timisoara, Romania), Stefan A. Mihaicuta, Mihai Udrescu, Izabela-Anita Toth, Lucretia Udrescu, Iosif Marinu

COPD: Plasma surfactant protein-D (SPD) concentration as a predictor of acute exacerbations (AE) probability
Kateryna Gashynova (Dnipropetrovsk, Ukraine), Kateryna Gashynova

The severity of anxiety in COPD patients (pts)
Yuliia Huba (Dnipropetrovsk, Ukraine), Yuliia Huba, Lyudmyla Konopkina

LATE-BREAKING ABSTRACT: Effects of a fixed dose once-daily triple drug combination in smokers and non-smokers with COPD
Jaideep Gogtay (Mumbai, Maharashtra, India), Ashish Kumar Deb, Mayank Agarwal, Venkat Reddy, Rahul Kodgule, V.S. Hemalatha, Antil Kumar Awasthi, K.P. Suraj, Vinod Kumar Pavitran, Shashi Prakash Mourya, Paul Thomas, Abhijit Vaidya, Sushmita Chhowala, Jaideep Gogtay

LATE-BREAKING ABSTRACT: Circulating YKL-40 level in COPD patients and their correlations with clinical parameters
Xiaoyue Wang (Nanjing, China), Xiaoyue Wang, Jiadi Chen, Peili Sun, Mao Huang

LATE-BREAKING ABSTRACT: Vocal cord dysfunction (VCD) in mild and severe asthma
Laurence Ruane (Clayton, VIC, Australia), Laurence Ruane, Kathy Low, Uddin Nizami, Lau Kenneth, Finlay Paul, Hamza Kais, Holmes Peter, Hamilton Garun, Bardin Philip
Thematic Poster: From pleura to bronchi: new insights

Chairs: Nikolaos M. Siafakas (Heraklion, Crete, Greece), Sergey Lukyanov (Chita, Zabaykalsky Krai, Russian Federation), Simon Brill (London, United Kingdom), Chair to be confirmed

PA657 Postoperative pleural effusions after orthotopic heart transplantation: The etiology, clinical manifestations and course
Gaye Ulubay (ANKARA, Turkey), Gaye Ulubay, Elif Kupeli, Ozlem Salman Sever, Balam Er, Atilla Sezgin

PA658 Diagnostic value of pleural fluid (PF) biochemistry and cytology in an infection-dominant setting; a survey from Kandy, Sri Lanka
Duminda Yasaratne (Kandy, Sri Lanka), Dushantha Madegedara, Asanka Rajapakse, Duminda Yasaratne

PA659 Chylothorax following posterior cervical decompression - A rare & unusual complication
Dayle Terrington (King's Lynn, United Kingdom), Dayle Terrington, Shiva Murugan-Sukumar, Lubna Nishath, Arun Arya

PA660 Evaluation of pleural fluid total protein, albumin, globulin levels and albumin/globulin ratios in the differential diagnosis of pleural effusions
Seyfettin Gumus (Ankara, Turkey), Seyfettin Gumus, Hatice Kaya, Tuncer Ozkisa, Ufuk Turhan, Mehmet Aydogan, Omer Deniz, Ergun Tozkoparan

PA661 An audit of the management of spontaneous pneumothorax (SP) at a UK hospital
Divya Vatish (LONDON, United Kingdom), Divya Vatish, Anshu Bhowmik, Raj K. Rajakulasingam

PA662 Randomized comparison of needle aspiration and chest tube drainage in spontaneous pneumothorax
Andreas Thelle (Bergen, Norway), Andreas Thelle, Miriam Gjerdevik, Malcolm SueChu, Ole Magnus Hagen, Per Bakke

PA663 An oversight of bulla is still not causal factor that can be ignored: The pneumothorax recurrence after thoracoscopic surgery
Masao Naruke (Tokyo, Japan), Masao Naruke

PA664 Treatment of a spontaneous primary pneumothorax (SPP) in a large teaching hospital
Ben Tomlow (Alkmaar, Netherlands), Ben Tomlow, Bart Goutier, Wim Boersma

PA665 The clinical and epidemiological features of pneumonia in young men in organized collectives
Tatiana Bilichenko (Moscow, Russian Federation), Tatiana Bilichenko, Marina Raicheva

PA666 Demographics and characteristics of antibiotic use in non-cystic fibrosis bronchiectasis patients
Sule Gul (Istanbul, Turkey), Sule Gul, Elif Yelda Niksarlioglu, Mehmet Atilla Uysal, Elif Tanriverdi

PA667 Prevalence and incidence of bronchiectasis in Catalonia in 2012
Miriam Barrecheguren Fernandez (Barcelona, Spain), Miriam Barrecheguren Fernandez, Monica Montagudo, Teresa Rodriguez, Pere Simonet, Marc Miravitlles

PA668 The emotional state of individuals with chronic bronchitis living in the arctic region of Yamal-Nenets autonomous district
Irina Gagarinova (Nadym, Russian Federation), Tatiana Popova, Andrei Popov, Andrei Lobanov, Irina Gagarinova

PA669 Translation of the bronchiectasis health questionnaire (BHQ) using validated methods
Arietta Spinou (London, United Kingdom), Natalie Williams, Arietta Spinou, Rachel Garrod, Richard Siegert, Gianluca Cotta, Akio Niimi, Lieven Dupont, Wei-jie Guan, Stefan Tino Kulnick, Amadea Heitmann, Catherine Acquadro, Surinder S. Birring

PA670 Aetiology of bronchiectasis: Evaluation of 319 adult patients with bronchiectasis
Sermin Börekçi (Istanbul, Turkey), Sermin Börekçi, Benan Musellim

PA671 The effect of transition from a paediatric to adult cystic fibrosis (CF) centre on clinical status and hospital attendance
Rachel Collins (Perth, WA, Australia), Rachel Collins, Chris O’Dea, Adelaide Withers, Michelle Trevenen, William Noffsinger, Gerard Ryan, Siobhain Mulrennan

PA672 A pediatric case of CCNO associated congenital mucociliary disease - A novel entity in primary ciliary dyskinesia
Christine Happel (Hannover, Germany), Martin Wetze, Christine Happel, C. Bultmann, Gesine Hansen, Nikolaus Schwerk

PA673 Poor periodontal health is associated with airways obstruction
Antonio Perez (Bergen, Norway), Antonio Perez, Cecilie Svanes, Francisco Gomez Real, Ana Tauste, Janicke Igland, Anne Nordrehaug Amstrøm

PA674 Lung function in HIV- infected adolescents on antiretroviral therapy in Cape Town, South Africa
Leah Githinji (Nairobi, Kenya), Leah Githinji, Diane Gray, Sipho Hlengwa, Heather Zar
LATE-BREAKING ABSTRACT: Asthma in Volyn Region of Ukraine. True statistics and quality index of disease control
Oleh Yakovenko (Lutsk, Ukraine), Oleh Yakovenko, Tetiana Yakovenko

LATE-BREAKING ABSTRACT: The infrequent "frequent" exacerbator: An analysis of the SPIROMICS cohort
Meilan Han (Ann Arbor, United States of America), Meilan Han, Pedro Quibrera, Robert Barr, Eugene Bleeker, Russel Bowler, Christopher Cooper, Alecsandru Comellas, David Couper, Jeffrey Curtis, Gerard Criner, Mark Dransfield, Nadia Hansel, Eric Hoffman, Jerry Krishnan, Carlos Martinez, Wanda O’Neal, Stephen Rennard, Donald Tashkin, Prescott Woodruff, Robert Paine, Fernando Martinez

Thematic Poster: Latest insights into pulmonary rehabilitation

Chair: Fabio Pitta (LONDRINA/PR, Brazil), Klaus Kenn (Schoenau am Koenigssee, Germany), János Tamás Varga (Budapest, Hungary), Nick Hopkinson (LONDON, United Kingdom)

Comparison of two questionnaires CAT and MRF 26 to assess the effect of pulmonary rehabilitation on health status in COPD patients with chronic respiratory failure
Francesca Gibellino (Catania, Italy), Francesca Gibellino, Laura Mammana, Annalisa Rodo

Evolution of the psychometric dimensions of the VQ11 questionnaire in COPD patients undergoing a pulmonary rehabilitation program (PRP). Results from the French cohort Rehaeffort from IRSR des Pays de Loire
Arnaud Chambellan (Nantes, France), Arnaud Chambellan, Hakima Ouksel, Marc Le Vaillant, Laurence Nourry, Agnès Martin, Sandie Grelier

Health locus of control in pulmonary rehabilitation (PR) of severe COPD patients
Guido Vagheggini (Volterra, Pisa, Italy), Guido Vagheggini, Francesca Moretti, Vanessa Cianchi, Daniele Berrihigi, Anna Zito, Domitilla Gallinari, Adriano Di Paco, Nicolino Ambrosino

Comparisons of walking-based training techniques in COPD
Marco Contoli (Ferrara, Italy), Luca Pomidori, Michele Felisatti, Martina Terranova, Enrico Pozzato, Marco Contoli

Pulmonary rehabilitation appropriateness triage in chronic respiratory diseases
Michele Vitacca (Gussago, Italy), Michele Vitacca, Marilena Barbisoni, Laura Comini, Gloria Francolini, Mara Paneroni

Exercise prescription and progression in Canadian pulmonary rehabilitation programs
Gail Dechman (Halifax, NS, Canada), Gail Dechman, Paul Hernandez, Pat Camp

Organization and content of pulmonary rehabilitation programs (PRP) in Italy: A national survey
Bruno Balbi (Veruno, Italy), Bruno Balbi, Davide Vallesse, Michele Vitacca

The effectiveness of long term physical therapy in elderly patients with chronic obstructive pulmonary disease
Antoaneta Dimitrova (Sofia, Bulgaria), Antoaneta Dimitrova, Daniela Lubenova, Kristin Grigorova-Petrova, Ivan Maznev, Milena Nikolova

Pulmonary rehabilitation does not affect systemic inflammation in chronic obstructive pulmonary disease
Anabel Sciriha (Mosta, Malta), Anabel Sciriha, Stephen Lungaro-Mifsud, AnneMarie Bonello, Tonio Agius, Josianne Scerri, Bridget Ellul, Anthony Fenech, Liberato Camilleri, Stephen Montefort

Nutritive rehabilitation of COPD patients
Leyla Ergeshova (Moscow, Russian Federation), Leyla Ergeshova

Effectiveness of pulmonary rehabilitation in different COPD stages
Mária Kerti (Budapest, Hungary), Maria Kerti, Zsuzsanna Balogh, Krisztina Kelemen, Janos Varga

Pulmonary rehabilitation: Is it feasible and beneficial in mild COPD?
Cristina Jácome (Nine, Portugal), Cristina Jácome, Alda Marques

Differences in anxiety and depression according to gender in patients with chronic obstructive pulmonary disease submitted to a pulmonary rehabilitation program
Monica Silveira Lapa (SAO PAULO/SP, Brazil), Mônica Silveira Lapa, Cecilia Melo Rosa Tavares, Selma Denis Squassoni, Nadine Cristina Machado, Luciene Costa Bortolassi, Juliana Nascimento Oliveira, Priscila Kessar Cordoni, Elie Fiss

Effectiveness of a structural exercise program on six minutes walk distance in patients with stage 3 and 4 sarcoidosis-A randomized control trial
Ilknur Naz (Izmir, Turkey), Ilknur Naz, Sevgi Ozalevli, Serir Ozkan, Hulya Sahin
### Session 169: Latest insights into functional capacity and muscle weakness in chronic lung diseases

**Chairs:** J. Alberto Neder (Kingston, Canada), Zafeiris Louvaris (Agia Paraskevi, Attica, Greece), Roberto A. Rabinovich (Edinburgh, United Kingdom), Esther Barreiro Portela (Barcelona, Spain)

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<td>PA691</td>
<td>Disease effect on psychological burden in patients attending pulmonary rehabilitation</td>
<td>Latinka Basara (Zagreb, Croatia), Latinka Basara, Tajana Jalusic Gluncic, Andrea Vukic Dugac, Ana Hecimovic, Marko Jakopovic, Miroslav Samarzija</td>
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<td>PA692</td>
<td>New interactive 3D visualization technique used in pulmonary rehabilitation programme in COPD, a randomized controlled study</td>
<td>Pernilla Sönnerfors (Stockholm, Sweden), Pernilla Sönnerfors, Anna Karin Nordlin, Alexandra Halvarsson, Gun Faager, Ulrika Einarsson</td>
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<td>PA693</td>
<td>Pulmonary rehabilitation of lung transplant candidates in Hungary</td>
<td>János Tamás Varga (Budapest, Hungary), Krisztina Kelemen, Anikó Bohács, Krisztina Czebe, Judit Petró, Maria Kerti, Zsuzsanna Balogh, Eszter Csizszer, György Lang, János Tamás Varga</td>
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<td>PA694</td>
<td>Factors influencing pulmonary rehabilitation adherence - Surely is not simple</td>
<td>Rita Daniela Peixoto Boaventura (Porto, Portugal), Rita Daniela Peixoto Boaventura, Leonor Meira, Vanessa Santos, Isabel Gomes, Luis Gaspar, Paula Martins, Emília Araujo, Paulo Viana</td>
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<td>PA695</td>
<td>New device used in COPD rehabilitation. TrainAir system</td>
<td>Camelia Pescaru (Bucuresti, Romania), Camelia Pescaru, Cristian Oancea, Emanuela Tudorache</td>
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<td>PA696</td>
<td>Loneliness as predictor of health status and rehabilitation success in patients with COPD</td>
<td>Andreas von Leupoldt (Leuven, Belgium), Andreas von Leupoldt, Thomas Reijnders, Michael Schuler, Michael Wittmann, Danijel Jelusic, Konrad Schultz, Sibylle Petersen</td>
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**T-05**

#### Thematic Poster: Latest insights into functional capacity and muscle weakness in chronic lung diseases

**Chairs:** J. Alberto Neder (Kingston, Canada), Zafeiris Louvaris (Agia Paraskevi, Attica, Greece), Roberto A. Rabinovich (Edinburgh, United Kingdom), Esther Barreiro Portela (Barcelona, Spain)

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<tr>
<td>PA697</td>
<td>The effects of inspiratory resistive loading on respiratory and locomotor muscle oxygenation during high intensity exercise in female soccer players</td>
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Evaluation of anti-aging klotho protein in COPD rehabilitation
Judit Pákó (Budapest, Hungary), Judit Pákó, Imre Barta, Zsuzsanna Balogh, Mária Kerti, Orsolya Drozdovszky, Ildikó Horváth, János Varga

Cardiometabolic benefit of exercise training in obese OSA: respective impact of non-invasive ventilation and respiratory muscle training in a randomized controlled trial
Isabelle Vivodtzev (Echirolles, France), Isabelle Vivodtzev, Renaud Tamisier, Marilie Croteau, Angélique Grangier, Jean-Christian Borel, Anne-Laure Borel, Bernard Wuyam, Patrick Levy, Caroline Minville, Frédéric Sériès, François Maltais, Jean-Louis Pépin

Dynamic hyperinflation is not the main limiting factor during exercise in obese asthmatics
Celso R F Carvalho (SAO PAULO/SP, Brazil), Celso Fernandes de Carvalho, Palmira Gabriele Ferreira, Patricia Duarte Freitas, Aline Grandi Silva, Rafael Steimach, Alberto Cukier, Frederico Leon Arrabal Fernandes, Milton Arruda Martins

Challenges for exercise therapy for severe asthma: A healthcare professional perspective
Stacey Hewitt (LEICESTER, United Kingdom), Stacey Hewitt, Lindsay Apps, Nicky Hudson, Murphy Anna, Peter Bradding, Ruth Green, Sally Singh, Rachael Evans

Quality of resistance training description in COPD trials: Study protocol for a systematic review
Peter Klijn (Hilversum, Netherlands), Bennie Westra, G. Sander de Wolf, Monique Legemaat, André Nyberg, Eline Bij de Vaate, Faridi van Etten-Jamaludin, Peter Klijn

A systematic review and meta-analysis of the effect of dual versus mono- long-acting bronchodilator therapy on exercise endurance in COPD
Bhavesh Popat (LEICESTER, United Kingdom), Bhavesh Popat, Sally Majd, Michael Steiner, Charlotte Bolton, Rachael Evans

Influence of body mass index on exercise capacity in pulmonary rehabilitation
Tajana Julusic Gluncic (Zagreb, Croatia), Tajana Julusic Gluncic, Latinka Basara, Ana Hecimovic, Andrea Vukic Dugac, Marko Jakopovic, Miroslav Samarzija

Changes in exercise capacity in patients with chronic respiratory diseases after pulmonary rehabilitation
Rita Daniela Peixoto Boaventura (Porto, Portugal), Rita Daniela Peixoto Boaventura, Leonor Meira, Vanessa Santos, Isabel Gomes, Luis Gaspar, Paula Martins, Emilia Araujo, Paulo Viana

Late-breaking abstract: Effects of bronchodilator therapy and exercise training, added to a self-management behaviour-modification programme, on physical activity in COPD
Thierry Troosters (Glasgow, United Kingdom), Thierry Troosters, Kim Lavoie, Nancy Leidy, François Maltais, Maria Sedeno, Wim Janssens, Alan Hamilton, Damijan Erzen, Dorothy De Sousa, Lawrence Korducki, Jean Bourbeau

Late-breaking abstract: Antioxidant supplementation in chronic obstructive pulmonary disease (COPD): A relevant way to optimize pulmonary rehabilitation effects
Maurice Hayot (Montpellier Cédex 5, France), Jonathan Maury, Fares Gouzi, Nelly Héraud, Philippe De Rigal, Nicolas Molinari, Joël Pincentail, Dalila Laoudj-Chenivesse, François Bughin, Magali Poulin, Marine Bliauèire, Jacques Mercier, Christian Préfaut, Pascal Pomiès, Maurice Hayot

Late-breaking abstract: Self-management interventions that include COPD exacerbation action plans improve health-related quality of life - A Cochrane review
Anke Lenferink (Oldenzaal, Netherlands), Anke Lenferink, Marjolein Brusse-Keizer, Paul van der Valk, Peter Frith, Marlies Zwerink, Evelyn Moeninkhof, Job van der Palen, Tania Effing

Late-breaking abstract: Validation of a new health-related quality of life instrument specific to adults with primary ciliary dyskinesia: QOL-PCD
Laura Behan (Cork, Ireland), Laura Behan, Margaret W. Leigh, Sharon Dell, Audrey Dunn Galvin, Alexandra L. Quittner, Jane S. Lucas

Thematic Poster: Best abstracts in COPD management
Chairs: Luis Puente Maestu (Madrid, Spain), Maurice Hayot (Montpellier Cédex 5, France), Ernesto Crisafulli (Pavullo, Italy), Matthew Maddocks (London, United Kingdom)

What should be part of a comprehensive assessment of COPD?
Edmée van den Akker (Zeist, Netherlands), Edmée van den Akker, Erwin Birnie, Alex J. van ’t Hul, Niels H. Chavannes, Maureen P.M.H. Rutten-van Mölken, Johannes C.C.M. In ’t Veen

Do-not-resuscitate orders as part of advanced care planning in COPD patients
Jo Raskin (KESSEL-LO, Belgium), Jo Raskin, Pascal Van Bleyenbergh, Natalie Lorent, Wim Janssens
| PA719 | Hand held fans for dyspnoea relief in COPD: Physical properties and patient perceptions |
| PA720 | Evaluating a new method of recruitment for participants with chronic obstructive pulmonary disease who have previously declined pulmonary rehabilitation |
| PA721 | Change in lung function and CT lung density in alpha1 antitrypsin deficiency patients under augmentation therapy |
| PA722 | Innovative approach to COPD improves disease impact, quality of life and reduces hospital admissions in Glasgow |
| PA723 | Exploring the association between psychological distress and dyspnea in COPD |
| PA724 | Evaluation of an ‘emotions and breathlessness’ session within a pulmonary rehabilitation programme |
| PA725 | Are COPD patients with chronic dyspnea and attending pulmonary rehabilitation treated with dual bronchodilatation or not? |
| PA726 | Integrated disease management (IDM) intervention for COPD patients has long-term effects on patient activation |
| PA727 | Information exchange between primary care (PC) and secondary care (SC): What is considered important in COPD? |
| PA728 | Australia-modified Karnofsky performance scale in patients with COPD and lung cancer patients: A pooled data analysis |
| PA729 | Loneliness and lack of social support severely influences patients’ quality of life. Secondary findings from our focusgroup study in asthma and COPD patients |
| PA730 | Are there any differences between Tunisian and European COPD phenotypes? |
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| PA734 | The development of my breathing matters: A digital intervention to improve patient self-management of asthma |
| PA735 | Quality of life of parents with children on home ventilation and long term oxygen therapy |
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**Chairs:**
Aleksandar Grgic (Homburg/Saar, Germany), Heinrike Wilkens (Homburg/Saar, Germany), Eric Hoffman (Iowa City, United States of America), Wim Vos (Heist-op-den-Berg, Belgium)

**PA737**
Bronchiectasis in patients with alpha1-antitrypsin deficiency: prevalence and characteristics
Rosaria Cortese (Pavia, Italy), Rosaria Cortese, Maria Chiara Menniti, Francesca Mariani, Davide Piloni, Stefano Aliberti, Stefania Ottaviani, Ilaria Ferrarotti, Angelo Corsico

**PA738**
Determination of mild emphysema on computed tomography and chest X-ray
Reza Karimi (Uppsala, Sweden), Reza Karimi, Ioanna Kotortsi, Åsa M Wheelock, Sven Nyren, Magnus C. Sköld

**PA739**
Quantitative analysis of combination bronchodilator therapy effect in patients with chronic obstructive pulmonary disease using multi-detector computed tomography
Misuzu Yahaba (Chiba, Japan), Misuzu Yahaba, Naoko Kawata, Ken Iesato, Yoriko Sakurai-Iesato, Yukiko Matsuura, Jun Ikari, Yuji Tada, Koichiro Tatsumi

**PA740**
Proximal and peripheral airway morphologic changes in elderly patients with asthma with fixed airflow obstruction and COPD
Prapaporn Pornsuriyasak (Bangkok, Thailand), Prapaporn Pornsuriyasak, Chayanin Thongpraserat, Theerasuk Kawamatawong, Naparat Amornputthathaporn, Thitiporn Suwatanapongched

**PA741**
Pulmonary artery to aorta ratio and mortality risk in the general population: The Rotterdam study
Natalie Terzikhan (Dordrecht, Netherlands), Natalie Terzikhan, Lies Lahousse, Daniel Bos, Lennard Wolff, Katia Verhamme, Oscar Franco, Bruno Stricker, Aad van der Lugt, Guy Brusselle

**PA742**
Fatty liver infiltration in patients with COPD. An ECLIPSE cohort study
Michaël Martin (Québec, QC, Canada), Michaël Martin, Natalie Almeras, Jean-Pierre Després, Harvey O Coxson, George R. Washko, Isabelle Vivodtzev, Émilie F.M. Wouters, Érica Rutten, Michelle Williams, John Murchison, William MacNee, Don D. Sin, François Maltais

**PA743**
Comparison of 3He and 129Xe MRI for evaluation of lung microstructure and ventilation at 1.5 T
Neil Stewart (Sheffield, United Kingdom), Neil Stewart, Ho-Fung Chan, Paul Hughes, Guilhem Collier, Felix Horn, Graham Norquay, Juan Parra-Robles, Denise Yates, Paul Collini, Rod Lawson, Helen Marshall, Jim Wild

**PA744**
Ventilation CT: Voxel-level comparison with HP gas MRI
Bilal Tahir (Sheffield, United Kingdom), Bilal Tahir, Helen Marshall, Paul Hughes, Neil Stewart, Felix Horn, Guilhem Collier, Graham Norquay, Kerry Hart, James Swinscoe, Matthew Hatton, Jim Wild, Rob Ireland

**PA745**
Regional phase III slope measurement using hyperpolarized gas MR imaging
Felix Horn (Sheffield, United Kingdom), Felix Horn, Guilhem Collier, Ho-Fung Chan, Neil Stewart, Jim Wild

**PA746**
Validation of computational fluid dynamics simulations in image-based airway models with magnetic resonance imaging
Guilhem Collier (Sheffield, United Kingdom), Guilhem Collier, Kim Minsuok, Chung Yongmann, James Wild

**PA747**
Variability in lung volume dependent changes in lobar-based pulmonary blood volume in a COPD population
Youbing Yin (Coralville, United States of America), Youbing Yin, John Newell, Juerg Tschieren, Jere Sieren, Graham Barr, Susan Wood, Eric Hoffman

**PA748**
One year stability and sex differences in a 5 path analysis of the normal human airway tree via QCT: SPIROMICS cohort
Eric Hoffman (Iowa City, United States of America), Eric Hoffman, Juerg Tschirren, Jere Sieren, Youbing Yin, Graham Barr, MeiLan Han, Alejandro Comellas, Fernando Martinez, Duvid Couper, John Newell

**PA749**
Normal human airway dimensions and branching geometry assessed via QCT for 5 standardized paths
Juerg Tschirren (Coralville, United States of America), Juerg Tschirren, Jere Sieren, Youbing Yin, John Newell, David Naidich, Susan Wood, Eric Hoffman

**PA750**
A robust lung segmentation algorithm using fuzzy C-means method from HRCT scans
Levent Kart (Istanbul, Turkey), Emine Doganay, Levent Kart, Hatice Kutbay Özcetik, Sadik Kara

**PA751**
A functional imaging study to evaluate aortic inflammation in OSA subjects
Marie Fisk (Bishops Stortford, United Kingdom), Marie Fisk, Divya Mohan, Joseph Cherian, Carmel M. McEniry, John R. Cockcroft, Ruth Tal-Singer, Ian B. Wilkinson, Michael I. Polkey

**PA752**
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Marie-Pierre Debray (Paris, France), Marie-Pierre Debray, Marie-Christine Dombret, Loubna Alavoine, Gabriel Thabut, Marina Pretolani, Pierre-Yves Brillett, Camille Taillé, Antoine Khalil, Pascal Chanez, Michel Aubier
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**PA757** Towards quick and easy bronchial occlusion with silicon spigots: A new technique using guide sheath and curette
Yasuyuki Mizumori (Himeji, Japan), Yasuyuki Mizumori, Yasuharu Nakahara, Katsuya Hirano, Ryota Kominami, Yasushi Fukuda, Yasutaka Onishi, Tomohiro Kato, Kenji Hanaoka, Ryogo Kagami, Rinko Katsuda, Yoko Yokoi, Kouhei Miyake, Hiroaki Tsukamoto, Shin Sasaki, Tetsuji Kawamura, Yoshiro Mochiduki

**PA758** A plugging device for the occlusion of acquired tracheobronchial esophageal fistulas: An experimental study in minipig models
Zhicheng Zhong (Guangzhou, China), Zhicheng Zhong, Jing Li

**PA759** Endoscopic treatment of bronchopleural fistula using trichloroacetic acid
Maria Francisca Teixeira Lopes (Lisbon, Portugal), Maria Francisca Teixeira Lopes, Tiago Abreu, Leonor Mota, Júlio Semedo, Cristina Bárbara

**PA760** Endobronchial valve placement as a treatment of persistent pulmonary air leak
LAURA RODRIGUEZ PONS (BARCELONA, Spain), Laura Rodriguez Pons, Agnes Hernández Biete, José Sanz Santos, Enrique Cases Viedma, Felipe Andreo Garcia, Carlos Martínez Barenys, Raquel Martínez Tomás, Pedro E. López De Castro Aluje, Carmen Angela Centeno Clemente, Juan Ruiz Manzano

**PA761** Successful bronchoscopic drainage of lung abscesses using a pigtail catheter
Avraham Unterman (Ramat Gan, Israel), Avraham Unterman, Oren Fruchter, Dror Rosengarten, Nader Abdel-Rahman, Mordechai R. Kramer

**PA762** Is conventional 19G TBNA needle useful?
Umang Shah (Navi Mumbai Maharashtra, India), Ajay Lall, Umang Shah, Andleeb Abrari, Nitin Dayal, Palak Brahmbhatt

**PA763** Safety of sedation with propofol addition in flexible bronchoscopy
Evgeni Gershman (Givataim, Israel), Evgeni Gershman, Benjamin Daniel Fox, Oren Fruchter, Nader Abed El Rahman, Mordechai Rubin Kramer

**PA764** The use of dexmedetomidine as a sedative during flexible bronchoscopy
Gerasimos Lekatsas (Heraklion, Crete, Greece), Gerasimos Lekatsas, Irimi Lambiri, Georgios Prinianakis, Stylianos Michelakis, Nikolaos Tzanakis, Georgios Pitsianakis, Dimitrios Georgopoulos

**PA765** Treatment option in recurrent respiratory papillomatosis (RRP) needing frequent deobstruction
Umang Shah (Navi Mumbai Maharashtra, India), Ajay Lall, Jaya Kumar, Umang Shah

**PA766** Prospective study of comparison of hot versus cold biopsy forceps in the diagnosis of endobronchial lesions
Youcef Douadi (Saint Quentin, France), Isabelle Rault, Damien Basille, Nathalie Trouillet, Claire Andrejak, Jean Baptiste Obstler, Nathalie Plouvier, Laura Andre, Sabrina Lenel, Florence Le Meunier, Remi Suguenet, Emmanuelle Lecuyer, Hucine Bentayeb, Karim Boulanouar, Vincent Jouvneaux, Charles Dayen, Youcef Douadi

**PA767** Valvular bronchial blocking in the treatment of cavitary pulmonary tuberculosis (CPTB)
Igor Motus (Ekaterinburg, Sverdlovsk Oblast, Russian Federation), Igor Motus, Igor Medovinsky, Elena Kildyshevskaya, Olafstefnla Galtia, Sergey Scornyakov

**PA768** Role of flexible bronchoscopy in children with recurrent pneumonia
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**PA769** Capnography monitoring the hypoventilation during the induction of bronchoscopic sedation
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Bronchoscopy in the HIV era – 66 months in review
Maria Antónia Glória Galego (Matosinhos, Portugal), Maria Antónia Glória Galego, Catarina Oliveira Paulo, Daniela Rodrigues, Sofia Jordão, Joana Amado, Isabel Neves, Jorge Ferreira

Nebulized versus standard local application of lidocain during flexible bronchoscopy - A randomized controlled trial
Tobias Mueller (Aachen, Germany), Tobias Mueller, Christian Cornelissen, Annegret Müller, Michael Dreher

Different sedation practices in a bronchoscopy unit. Does it really matter?
Eleanor Gerada (Paola, Malta), Eleanor Gerada, John Xuereb, Portelli Luke, Yana Marie Domech, Liberato Camilleri

BODE index improves after endobronchial valve treatment in patients with emphysema without interlobar collateral ventilation
Karin Klooster (Groningen, Netherlands), Karin Klooster, Nick H.T. Ten Hacken, Jorine E. Hartman, Dirk-Jan Slebos

A single-center comparison of the cost analyses of different volume reduction-therapy methods in the treatment of emphysema
Bayram Metin (Yozgat, Turkey), Bayram Metin, Yavuz Selim Intepe, Mahmut Kılıç, Sener Yıldırım, Ergodan Çetinkaya

Endobronchial valve in complex treatment of patients with destructive pulmonary TB/HIV co-infection
Denis Krasnov (Novosibirsk, Russian Federation), Denis Krasnov, Pana Petrova, Sergei Skluev, Irina Felker, Vladimir Krasnov, Nikolay Grischenko

Positive airway pressure-enhanced CT to improve virtual bronchoscopic navigation
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Fibroblasts from IPF explanted lungs have mitochondrial dysfunction and short telomeres leading to an increased senescence phenotype
Mauricio Rojas (Pittsburgh, United States of America), Diana Alvarez, Nayra Cardenes, Catherine Corey, Vidya Hanumanthu, Hanna D'Cunha, Marta Bueno, John Sembrat, Mary Armanios, Ana Mora, Mauricio Rojas

Anti-fibrotic efficacy of nintedanib on pulmonary fibrosis via suppression of fibrocyte activity
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Anti-parietal cell autoimmunity in IPF patients
Guillaume Beltramo (Dijon, France), Guillaume Beltramo, Nicolas Peron, Pascale Nicaise, Claire Danel, Marie-Pierre Debry, Pauline Pradère, Aurélien Justet, Raphaël Borie, Marie-Christine Dombret, Camille Taille, Michel Aubier, Bruno Crestani

Thyroid hormone inhibits pulmonary fibrosis through enhancement of mitochondrial function in alveolar epithelial cells
Argyris Tzouvelekis (ATHENS, Greece), Argyris Tzouvelekis, Guoying Yu, Jose Herazo-Mayo, Rong Wang, Joao Pedro S. Werneck de Castro, Giuseppe Defuliliis, Farida Ahangari, Tony Woolard, Rafael Arrojo e Drigo, Robert Homer, Anup Srivastava, Erica Herzog, Patty Lee, Antonio Bianco, Naftali Kaminski

Glutathione peroxidase 3 localizes to the epithelial lining fluid and the extracellular matrix in lung fibrosis
Claudia Staab-Weijnitz (Munich, Germany), Andrea Schamberger, Herbert Schiller, Isis Fernandez, Martina Sterclova, Katharina Heinzelmann, Elisabeth Hennen, Rudolf Hatz, Jürgen Behr, Martina Vasakova, Matthias Mann, Oliver Eickelberg, Claudia Staab-Weijnitz

Interferon-pretreated human MSC show improved efficiency in humanized mice model of pulmonary fibrosis
Ming Liu (Guangzhou, China), Ming Liu, Ke Ni, Jian Zheng

Effects of NecroX compounds on bleomycin-induced pulmonary fibrosis
Yong Chul Lee (Seoul, Republic of Korea), Yong Chul Lee, So Ri Kim, Kyung Bae Lee, Hae Jin Park, Soon Ha Kim

New therapies in IPF: The Hammersmith Hospital experience
Robina K. Coker (LONDON, United Kingdom), Robina K. Coker, Philip W. Ind

Effect of nintedanib on cough and health related quality of life in patients with idiopathic pulmonary fibrosis
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**Intolerance of pirfenidone and its associated factors in the real world**
Shunsuke Teraoka (Kobe city, Japan), Shunsuke Teraoka, Daichi Fujimoto, Munehiro Ito, Yoshihiro Nakagawa, Jiro Ito, Mariko Kogo, Yuki Sato, Kato Ryoji, Kazuma Nagata, Atsushi Nakagawa, Kojiro Otsuka, Yukimasa Hatachi, Keisuke Tomii

**Pirfenidone in patients with advanced idiopathic pulmonary fibrosis: First experience**
Filip HOET (Leuven, Belgium), Filip Hoet, Jonas Yzerbyt, Wim A. Wuys

**Onset of symptoms in idiopathic pulmonary fibrosis: A case-control study**
Thomas Hewson (Nottingham, United Kingdom), Thomas Hewson, Tricia McKeever, Jack Gibson, Richard Hubbard, John Hutchinson

**The effect of emphysema in patients with idiopathic pulmonary fibrosis: evaluation using quantitative CT analysis**
Hiroaki Nakagawa (Otsu, Shiga, Japan), Hiroaki Nakagawa, Yuichi Higami, Kentaro Fukunaga, Yasuki Uchida, Ruriko Yukimura, Wataru Shigemori, Yumiko Kashiwagi, Masafumi Yamaguchi, Taishi Nagao, Emiko Ogawa, Yasutaka Nakano

**Comparison of changes of the King’s brief interstitial lung disease questionnaire (K-BILD) with other health status measures**
Monique Wapenaar-deKorver (Vlaardingen, Netherlands), Monique Wapenaar-deKorver, Amit S. Patel, Surinder S. Birring, Juanita A. Haagsma, Marlies S. Wijsenbeek

**Idiopathic pulmonary fibrosis: Gender differences in survival and functional decline. A retrospective study**
Fabián Matias Caro (Ciudad Autónoma Buenos Aires, Argentina), Fabián Matias Caro, Martín Eduardo Fernández, María Laura Alberti, Francisco Paulin

**HRCT in the evaluation of functional decay in IPF**
Elisabetta Balestro (Padova, Italy), Elisabetta Cocconcelli, Giulio Barbiero, Paolo Spagnolo, Graziella Turato, Roberta Polverosi, Davide Biondini, Alessia Fraccaro, Piera Petitto, Manuel G. Cosio, Marina Saetta, Elisabetta Balestro

**The development of a measure to better understand patient experiences with pirfenidone and nintedanib for the treatment of idiopathic pulmonary fibrosis (IPF)**
Marlies S. Wijsenbeek (Rotterdam, Netherlands), Marlies S. Wijsenbeek-Lourens, Merel L. Kimman, Adrienne Rotteveel, Stephanie S. Weinreich, Remy Mostard, Carmen D. Dirksen

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Martina Vašáková (Prague, Czech Republic), Martina Vašáková, Martina Sterclova, Jan Kus, Vladimir Bartos, Marta Hajkova, Martina Doubkova, Veronika Muller, Martina Plackova, Monika Zurkova, Vladimir Lostakova, Ladislav Lacina, Vladimir Rihak, Frantisek Petrlik, Pavlina Lisá, Radka Bittenglova, Dragana Jovanovic, Richard Tyl, Gustav Ondrejka, Hana Suldova, Jaroslav Lnenicka, Jana Psikalova, Tomas Snizek, Jiri Homolka, Renata Kralova, Jan Kervitzer, Michal Svoboda, Jana Strenkova

**Do typical and atypical HRCT patterns make difference in prognosis of patients with IPF?**
Martina Vašáková (Prague, Czech Republic), Martina Vašáková, Martina Sterclova, Vladimir Bartos, Martina Doubkova, Martina Plackova, Monika Zurkova, Vladimir Lostakova, Ladislav Lacina, Vladimir Rihak, Frantisek Petrlik, Pavlina Lisá, Radka Bittenglova, Richard Tyl, Gustav Ondrejka, Hana Suldova, Jaroslav Lnenicka, Jana Psikalova, Tomas Snizek, Jiri Homolka, Renata Kralova, Jan Kervitzer, Michal Svoboda, Jana Strenkova, Athol Wells

**Can current guidelines improve the diagnosis of a usual interstitial pneumonia among general radiologists?**
Onofre Moran Mendoza (Kingston, ON, Canada), Onofre Moran Mendoza, Roger Chou, Lisa Jong, Rob Dhillion, Justin Flood, Katarina Janic, Muhammad Hawari

**Randomised controlled, crossover trial to evaluate the effects of ambulatory oxygen on health status in patients with fibrotic lung disease**
Dina Visca (Mantova, Italy), Dina Visca, Sharon Fleming, Ashi Firouzi, Morag Farquhar, Nicholas Hopkinson, Charlotte Hogben, Winston Bunya, Paul Cullinan, Angelo De Lauretis, Maria Kokosi, John Tayu Lee, Rosemarie Lyne, Sarah Agnew, Apollo Ksok, Surinder Birring, Alfredo Chetta, Anne Marie Russell, Peter Saunders, Toby Maher, Athol Wells, Lisa Spencer, Elisabetta Renzoni

**Interstial lung abnormalities in the AGES-Reykjavik study**
Gunnar Gudmundsson (Selfjar Barnes, Iceland), Gunnar Gudmundsson, Rachel K. Putman, Tetsuro Araki, Mishuki Nishino, Elias F. Gudmundsson, Sigurdur Sigurdsson, Gudny Eiriksdottir, Thor Aspelund, Lenore J. Launder, Tamara Harris, Ivan O. Rosas, David Schwartz, Hiroto Hatabu, Vilmundur Gudnason, Gary M. Hunninghake
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Usual interstitial pneumonia pattern in chronic hypersensitivity pneumonitis
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Pulmonary hypertension in interstitial lung disease: Non-invasive assessment for detection and prognosis
Greg Keir (Brisbane, Australia), Maria Kokosis, Greg Keir, John Wort, Peter George, Arjun Nair, David Hansell, Simon Walsh, Joseph Jacob, Athol Wells

John Hutchinson (Nottingham, United Kingdom), John Hutchinson, Tricia McKeever, Andrew Fogarty, Vidya Navaratnam, Richard Hubbard

Novel lung function tests in patients with interstitial lung disease (ILD)
Frederik Trinkmann (Mannheim, Germany), Frederik Trinkmann, Katharina Roth, Daniel Saur, Martin Borggrefe, Joachim Saur, Julia D. Michels

Impact of lymphocyte differential count in BALF on the mortality of patients with acute exacerbation of idiopathic chronic fibrosing interstitial pneumonia
Reoto Takei (Kurashiki, Japan), Reoto Takei, Shogo Kumagai, Machiko Arita, Tadashi Ishida

The association between functional and HRQOL (K-BILD) outcome measures in IPF and other fibrotic ILDs
Charles Sharp (BRISTOL, United Kingdom), Charles Sharp, Christina Baggott, Heather Lamb, Surinder Birring, Huzaifa Adamali

Study of factors affecting mortality in ILD cases over 2 years
Sameer Arbat (NAGPUR (MAHARASHTRA), India), Sameer Arbat, Amita Athavale, Jairaj Nair, Sneha Tirpude, Anshu Punjabi

Neoplasia in patients with ILD: shortened survival
Nesrin Mogulkoc Bishop (ZM, R. Turkey), Nesrin Mogulkoc, Aysu Sinem Koc, İmren Nesil, Pervin Korkmaz Ekren, Ali Veral, Yasemin Kabasakal, Ahmet Uysal, Feza Bacakoglu, Selen Bayraktaroglu

The King's brief interstitial lung disease (K-BILD) questionnaire: an updated minimal important difference
Aish Sinha (London, United Kingdom), Aish Sinha, Amit S. Patel, Richard Siegert, Sabrina Bajwah, Patrick Gordon, Sophia Steer, Toby M. Maher, Elisabetta A. Renzoni, Athol U. Wells, Irene J. Higginson

Cryptogenic organizing pneumonia- IL1-, IL-6, IL-8, and TGF- concentrations in serum in patients treated with clarithromycin
Elzbieta Radzikowska (Warsaw, Poland), Elzbieta Radzikowska, Paulina Jagus, Adriana Rozy, Elzbieta Wiatr, Joanna Chorostowska-Wynimko, Renata Langfort, Kazimierz Roszkowski-Sliż

Relevance of the expert ILD clinical-radiological evaluation of referred cases to the MDT
Pilar Rivera Ortega (Barcelona, Spain), Pilar Rivera Ortega, Patricio Luburich, Roger Llatjos, Vanesa Vicens Zygmunt, Francisca Martinez, Lurdes Planas, Anna Bachs, Javier Narvaez, Ignacio Escobar, Jordi Dorca, Maria Molina Molina

ILD-India registry: Idiopathic pulmonary fibrosis (IPF) and connective tissue disease (CTD) associated interstitial lung disease (CTD-ILD)
Bhupal Singh, Sheetu Singh, Jouytsa Joshi, Deepak Talwar, Sandeep Katiyar, Nishtha Singh, Lawrence Ho, Jai Kumar Samaria, Parthasarathi Bhattacharya, Rakesh Gupta, Sudhir Chaudhuri, Tejraj Singh, Vijay Moond, Sudhakar Pipavath, Jitesh Ahuja, Ravindran Chetambath, Alok Ghoshal, Nirmal Kumar Jain, Gayathri Joshi, Surya Kant, Parvaiz Koul, Raja Dhar, Rajesh Swarnkar, Surendra Sharma, Dhruvajoti Roy, Kripesh Sarmah, Bhavin Jankharia, Rodney Schmidt, Virendra Singh, Ganesh Raghu

Interstitial lung diseases and lung cancer
Maria Alvarenga Santos (LISBOA, Portugal), Maria Alvarenga Santos, Susana Clemente, Margarida Felizardo, Cláudia Matos, Sofia Tello Furtado

Addition of respiratory hospitalizations 24weeks prior to the ILD-GAP model to predict mortality in chronic interstitial lung disease
Su-Ying Low (Singapore, Singapore), Su-Ying Low

Bronchoalveolar lavage findings in patients with diffuse interstitial lung disease (DILDs)
Besma Dhahri-Ouari (Tunis, Tunisia), Besma Dhahri-Ouari, Lamia Missaoui, Jihen Bamer, Heifa Zaibi, Saloua Azzabi, Med Ali Baccar, Hichem Aouina
Diagnostic and prognostic value of advanced imaging modalities in patients with suspected cardiac sarcoidosis
Vasileios Kouranos (London, United Kingdom), Vasileios Kouranos, Rakesh Sharma, John Baksi, Sanjay Prasad, Rajdeep Khattar, Maria Kokosi, Kshama Wechalekar, Athol Wells

PA817
TNF- polymorphism as a prognostic marker for MTX efficacy in progressive pulmonary sarcoidosis
Anna Goljan Geremek (Warsaw, Poland), Anna Goljan Geremek, Monika Czystowska, Agnieszka Skoczylas, Elzbieta Puscinska, Michal Bednarek, Adam Nowinski, Pawel Sliwinski

PA818
Risk factors for cardiac involvement in sarcoidosis - A case-control study in 201 Caucasian patients
Magdalena Martusewicz-Boros (Warsaw, Poland), Magdalena Martusewicz-Boros, Elzbieta Wiatr, Dorota Piotrowska-Kownacka, Justyna Fijolek, Dariusz Gawryluk, Jacek Grudny, Katarzyna Modrzewska, Urszula Nowicka, Mateusz Polaczek, Elzbieta Radzikowska, Janusz Szopinski, Jolanta Winek, Jolanta Zaleska, Jacek Zych, Janusz Burakowski, Piotr Boros, Jaroslaw Kober, Kazimierz Roszkowski-SliZ

PA820
Efficacy of adalimumab in sarcoidosis patients who developed intolerance to infliximab
Heleen A. Crommelin (Wolverhampton, United Kingdom), Heleen A. Crommelin, Leone M. van der Burg, Adriane D.M. Vorselaars, Marjoinein Drent, Coline H.M. van Moorsel, Ger T. Rijkers, Vera H.M. Deneer, Jan C. Grutters

PA821
The neck as mediastinal extension: diagnosis of sarcoidosis by core biopsy of cervical lymph nodes
Ahmed Fahim (Wolverhampton, United Kingdom), Ahmed Fahim, David Rosewarne

PA823
Decreased aortic stiffness in with early grade pulmonary sarcoidosis patients
N. Funda Co ku (Bursa, Turkey), Ayse Aydin Kaderli, N. Funda Coskun, Sumeyye Gullulu, Esra Uzaslan

PA824
Incidence and prognostic factors for airflow obstruction in sarcoidosis
Micha Bednarek (Warszawa, Poland), Michal Bednarek, Anna Goljan-Geremek, Elzbieta Pusciniska, Adam Nowinski, Damian Korzybski, Pawel Sliwinski

PA825
The 18F PET/CT scan in patients with chronic sarcoidosis
Jelica Lj Videnovi -Ivanov (Beograd, Republic of Serbia), Jelica Lj Videnovic-Ivanov, Violeta M. Mihailovic-Vucinic, Drašana Sobic-Saranovic, Isidora Gvozdic, Snežana Filipovic-Stepic

PA826
Prevalence of smoking among Polish sarcoid patients
Elbieta Pu ci ska (Warsaw, Poland), Elzbieta Puscsinska, Anna Goljan Geremek, Elzbieta Radzikowska, Dorota Wyrostkiewicz, Anna Soszka, Adam Nowinski, Michał Bednarek, Pawel Sliwinski

PA827
Vitamin D deficiency and activity of sarcoidosis
Snežana Filipovi (Beograd, Republic of Serbia), Snezana Filipovic, Vucinic Violeta, Videnovic Jelica, Sjoepanovic Mihaiho, Jandric Aleksandar

PA828
-glucan in lymph nodes in sarcoidosis patients
marjeta tercelj (kranj, Slovenia), Marjeta Tercelj, Barbara Salobir, Ragnar Rylander

PA829
Polymorphism and copy number variation of FCGR genes in an etiopathogenesis of sarcoidosis
Anna Dubaniewicz (Gdansk, Poland), Anna Dubaniewicz, Marlena Tymia, Krzysztof Rebkula, Szymon Nowakowski, Bartłomiej Rekawiecki, Jan Marek Słominski

PA830
Neutrophil phagocytic activity in differentiating tuberculosis from sarcoidosis
Oskar Okuniewski (Gdansk, Poland), Oskar Okuniewski, Katarzyna Wozniak, Bartłomiej Rekawiecki, Jan Slominski, Dariusz Swietlik, Anna Dubaniewicz

PA831
Promoter polymorphism of the AGT gene is associated with both idiopathic pulmonary fibrosis (IPF) and sarcoidosis in Russian patients
Anna Uliitina (St. Petersburg, Russian Federation), Anna Uliitina, Lubov’ Novikova, Olga Baranov, Julia Ilkovich, Tatiana Makarovka, Mikhail Ilkovich, Mikhail Dubina

PA832
Functional influence of Fc RIIa on CR3 in the etiopathogenesis of sarcoidosis
Bartłomiej Rekawiecki (Grochowalsk, Poland), Bartłomiej Rekawiecki, Marlena Tymia, Katarzyna Wozniak, Oskar Okuniewski, Hanna Majewska, Krzysztof Rebkula, Anna Dubaniewicz
PA833  
**Mortality and survival predictor in chronic hypersensitivity pneumonitis**  
Inigo Ojanguren Arranz (BARCELONA, Spain), Inigo Ojanguren Arranz, Ferran Morell, Ana Villar, Christian Romero, María Antonia Ramón, María Jesús Cruz, Xavier Mañoz

PA834  
**Statin-induced lung diseases**  
Kristina Lali (Zagreb, Croatia), Kristina Lalić, Jasna Tekavec Trkanjec, Marija Šimić, Neven Tudoric

PA835  
**Immunosuppressive treatment is not a predictor of mortality after surgical lung biopsy for interstitial lung disease**  
Katarzyna Furrer (Zuerich, Switzerland), Katarzyna Furrer Wacker, Christian Nebiker, Lilian Junker, Simona Lazdinyte, Spaseniya Savic, Katrin Hostettler, Desiree Schumann, Joerg Halter, Michael Tamn, Didier Lardinois

**T-12  
Session 176  
12:50 - 14:40**

**Thematic Poster: Asthma management in primary care**  
**Chairs:** Jaime Correia de Sousa (Porto, Portugal), Dermot Ryan (Derby, United Kingdom), Mark L. Levy (London, United Kingdom), Aziz Sheikh (Edinburgh, United Kingdom)

PA836  
**The predictive value of symptoms for asthma diagnosis and inhaled steroid treatment response**  
Matthew Martin (Nottingham, United Kingdom), Matthew Martin, Emma Wilson, Dominick Shaw, Tim Harrison

PA837  
**The contribution of an asthma diagnostic consultation service (ADCS) in obtaining an accurate asthma diagnosis for primary care patients**  
Ruby Gillis (Eindhoven, Netherlands), Frank W.J.M. Smeenk, Ruby Gillis, Walter van Litsenburg, Roland H.H. van Balkom, Jean W. Muris

PA838  
**Validity of the IPAG questionnaire in screening for Ho Chi Minh City, Vietnam**  
Tran Thien Quan Vu (Ho Chi Minh, Vietnam), Quoc Bao Le, Tuyet Lan Thi Le

PA839  
**Evaluating the usefulness of fractional exhaled nitric oxide and forced oscillation technique in clinical practice**  
Esteban Gabazza (Tsu-Mie, Japan), Haruko Saito, Osamu Hataji, Yoichi Nishii, Kentaro Ito, Tadashi Sagakuchi, Corina D’Alessandro-Gabazza, Esteban Gabazza, Tetsu Kobayashi, Osamu Taguchi

PA840  
**The role of adherence to inhaled corticosteroids (ICS) in the relationship between blood eosinophilia and asthma control**  
Alberto Papi (Cambridge, United Kingdom), Alberto Papi, Dermot Ryan, Joan Soriano, Henry Chrystyn, Leif Bjerner, Roberto Rodriguez-Roisin, Myrna Dolovich, Mark Harris, Bakhtiyor Khalikulov, David Price

PA841  
**Asthma ICS prescriptions in primary care in France and the United Kingdom: Are they similar?**  
Eric Van Ganse (LYON, France), Eric van Ganse, Laurent Laforest, Sandrine Herbage, Maëva Nolin, Alexandra L. Dima and the ASTROLAB Group

PA842  
**Asthma prescribing practices, ethnicity and risk of hospital admission: An analysis of linked primary and secondary care records in East London**  
Shauna McKibben (London, United Kingdom), Sally Hull, Kate Homer, Shauna McKibben, Stephanie Taylor, Katy Pike, Chris Griffiths

PA843  
**Quality of life and asthma control in elderly asthmatics: A seven year follow-up - Results from the PRAXIS study**  
Bjorn Stallberg (Uppsala, Sweden), Björn Ställberg, Joyce Hogebrug, Christer Janson, Mary Kämpe, Scott Montgomery, Tjard Schermer, Josefïn Sundh, Karin Lisspers

PA844  
**The impact of incentives on the implementation of asthma or diabetes self-management: A systematic review**  
Tracy Jackson (Edinburgh, United Kingdom), Tracy Jackson, Liam Heaney, Mike Shields, Chi Yan Hui, Hilary Pinnock

PA845  
**Comorbidity and mortality in Swedish asthma patients 2006 - 2013 - An observational register study (PACEHR)**  
Karin Lisspers (Gagnef, Sweden), Karin Lisspers, Christer Janson, Kjell Larsson, Gunnar Johansson, Gunilla Telg, Georgios Stratelas, Marcus Thuresson, Björn Ställberg

PA846  
**Validating app and 1-week version of the control of allergic rhinitis and asthma test (CARAT)**  
Corina de Jong (Groningen, Netherlands), Corina de Jong, Thys van der Molen, Jorn de Kroon, Ellen van Heijst, Joanna Tsiligianni, Joao Fonseca, Bertine Flokstra-de Blok

PA847  
**Cutpoints of the control of allergic rhinitis and asthma test (CARAT) subscales**  
Corina de Jong (Groningen, Netherlands), Corina de Jong, Thys van der Molen, Martijn Oudkerk, Ellen van Heijst, Joanna Tsiligianni, Joao Fonseca, Bertine Flokstra-de Blok

PA848  
**Supported asthma self-management: A systematic overview from a service perspective**  
Luke Daines (Edinburgh, United Kingdom), Luke Daines, Maria Panagioti, Hannah Parke, Gemma Pearce, Eleni Epiphaniou, Stephanie Taylor, Hilary Pinnock
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**Thematic Poster: Managing multimorbidity and lifestyle change in primary care**

**Chairs:** Noel Baxter (London, United Kingdom), Arnulf Langhammer (Levanger, Norway), Thys Van Der Molen (Groningen, Netherlands), Alan Kaplan (Richmond Hill, Canada)

### PA856
**The prevalence of influenza vaccination among elderly attending to a chest disease outpatient clinic and associated factors with vaccination**
Burcu Arpinar Yigitbas (STANBUL, Turkey), Burcu Arpinar Yigitbas, Elif Tanriverdi, Celal Satici, Canan Gündüz

### PA857
**Prevalence and predictors of electronic cigarette use by patients with COPD in the Birmingham COPD cohort**
Amanda Farley (Birmingham, United Kingdom), Amanda Farley, Kiran Kalirai, Rachel Jordan, Alexandra Enocson, Andy Dickens, David Fitzmaurice, Peymane Adab

### PA858
**A development study of pulmonary rehabilitation for patients with chronic lung disease in Uganda**
Rupert Jones (Milton Combe (DEVON), United Kingdom), Rupert Jones, Bruce Kirenga, Jill Pooler, Wincelas Katagira, Richard Kasita, Doyo Gragn Enki, Siobhan Creanor, Andrew Barton, Alphonse Okwera, William Worodria, Sally Singh

### PA859
**Prevalence of sleep apnoea and its associated impact on quality of life in a primary care COPD population**
Andy Dickens (BIRMINGHAM, United Kingdom), Andy Dickens, Alexandra Enocson, Rachel Jordan, David Fitzmaurice, Peymane Adab

### PA860
**Prevalence of excessive daytime sleepiness and obstructive sleep apnea risk in a large line of primary health care users**
Paschalis Steiropoulos (Alexandroupolis, Greece), Apostolos Manolis, Grigorios Tryptianis, Eleni Leontidou, Eleni Peranton, Maria Xanthoudaki, Evangelia Nena, Paschalis Steiropoulos

### PA861
**Diagnostic delay and misdiagnosis in interstitial lung disease (ILD) at primary health care level**
Mujeeb Rahman K. K. (Calicut, India), K.K. Mujeeb Rahman, Jai Kumar Samaria

### PA862
**Comparison of adherence to BTS quality standards for bronchiectasis between primary and secondary care in the UK**
Timothy Gatheral (Lancaster, United Kingdom), Patrick Haslam, Lauren Gowland, Tania Wood, Timothy Gatheral

### PA863
**Efficacy and response predictors of inhaled corticosteroid treatment on chronic cough**
Seung Hun Jung (Anyang, Republic of Korea), Seung Hun Jung, Joo-Hee Kim, Sungshoon Park, Yong Il Hwang, Ki-Suck Jung, Chang Youl Lee

### PA864
**Prevalence of cough and its associated diagnoses among 204,912 patients seen in primary care (PC) in India**
Komalkirti Apte (Pune, Maharashtra, India), Komalkirti Apte, Sapna Madas, Monica Barne, Sushmeeta Chhowala, Jaideep Gogtay, Sundeep Salvi
Prevalence of pneumonia reported by primary care physicians (PCPs) in India: Results of a 1-day point prevalence study in 880 urban cities and towns in India
Komalkirti Apte (Pune, Maharashtra, India), Komalkirti Apte, Sapna Madas, Monica Barne, Sushmeeta Chhowala, Jaideep Gogtay, Sundeep Salvi

Patients and caregivers agreement in dyspnea assessment in pulmonology
Sabrina URSO (Namur, Belgium), Sabrina Urso, Juliette Guislain, Antoine Fremault, Cécile Denoble, Gregory Reychler

Effect of ICS on glycaemic control in patients with COPD and comorbid type 2 diabetes: Historical case-matched cohort study

The prevalence of comorbidities in COPD patients and their impact on quality of life and COPD symptoms in primary care patients - An UNLOCK study from the IPCRG
Bjorn Stallberg (Uppsala, Sweden), Bjorn Stallberg, Pedro Teixeira, Coert Blom, Karin Lisspers, Ioanna Tsiligianni, Rachel Jordan, Miguel Román-Rodríguez, Nanne Kleefstra, Oleksii Korzh, David Price, Niels Chavannes

Characterization of ACOS patients in a pulmonary outpatient consultation - Applying the questionnaire proposed by GINA/GOLD consensus
Daniela Rodrigues (Porto, Portugal), Daniela Rodrigues, Maria Antónia Galego, Marta Teixeira, Ana Paula Vaz, Jorge Ferreira

Comorbidities in Swedish COPD and non-COPD patients: ARCTIC study
Bjorn Stallberg (Uppsala, Sweden), Bjorn Stallberg, Christer Janson, Kjell Larsson, Gunnar Johansson, Konstantinos Kostikas, Jean-Bernard Gruenberger, Leif Jorgensen, Patrick Sobocki, Karin Lisspers

Association between chronic comorbidity and exacerbation rate in primary care COPD patients. Preliminary analysis of real-life general practice data (PROSPECT1)
Janine AM Westerik (Nijmegen, Netherlands), Janine A.M. Westerik, Esther Metting, Job F.M. van Boven, Waling Tiersma, Janwillem Kocks, Tjard Schermer

Comorbidities and quality of life in obstructed adults in a primary care setting
Salvatore Bucchieri (Palermo, Italy), Salvatore Bucchieri, Palma Audino, Fabio Cibella, Pietro Alfano, Mario Raphael Melis, Salvatore Marcantonio, Giuseppina Cuttica, Smadid Cooperative Group

The minimal clinically important difference for COPD health status tools measured with global ratings of change during different time periods
Harma Alma (Groningen, Netherlands), Harma Alma, Corina de Jong, Danijel Jelusic, Michael Wittmann, Michael Schuler, Janwillem Kocks, Konrad Schultz, Thys van der Molen

Mild cognitive impairment in chronic obstructive pulmonary disease and chronic heart failure: A systematic review and meta-analysis
Abebaw Yohannes (Manchester, United Kingdom), Abebaw Yohannes, Wenjia Chen, Ana Moga, Iracema Leroi, Martin Connolly

LATE-BREAKING ABSTRACT: Predictive factors of frequent exacerbations in mild grade COPD patients
Juan Luis García Rivero (Mogro (Cantabria), Spain), Juan Luis García Rivero, Roberto Garrastazu López, Sandra Arenal Barquín, Cristina Bonnardeux Chadburn, José Manuel Helguera Quevedo, Mario Ruiz Nuñez, Carlos León Rodriguez, Miguel Santibañez Margüello
The role of histone deacetylase 2 (HDAC2) and glucocorticoid receptor (GR) isoforms in patients with asthma–COPD overlap syndrome (ACOS) 
Elena Vsevolodskiaia (Saint-Petersburg, Russian Federation), Elena Vsevolodskiaia, Zhanna Mironova, Anna Ulitina, Vasily Trofimov, Sophia Pchelina, Michael Dubina

Rare A1AT variants in Polish patients with chronic respiratory disorders - Data from 2013 to 2016
Katarzyna Duk (Warsaw, Poland), Katarzyna Duk, Aneta Zdral, Radoslaw Struniański, Beata Szumna, Adriana Rozy, Joanna Chorostowska-Wynimko

Microbes mediated host innate immune response in idiopathic pulmonary fibrosis
Shwu-Fan Ma (Chicago, United States of America), Yong Huang, Shwu-Fan Ma, Rekha Vij, Justin Oldham, Gary Huffnagle, John Erb-Downward, Kevin Fialherty, Beth Moore, Eric White, Tong Zhou, Jianrong Li, Yves Lussier, Mei Lan K. Han, Milena Espindola, Joe G.N. Garcia, Cory Hoglobin, Fernando J. Martinez, Imre Noth, For the COMET Investigators

Identification of a novel SERPINA-1 mutation causing alpha-1 antitrypsin deficiency in a patient with severe dyspnea
Victoria Lorenzon (buens aires, Argentina), Victoria Lorenzon, Soledad Saez, Alejandra Pereyra, Jose Oyhamburu, Patricia Sorroche

Plasma levels of TIPM-2 in patients with COPD
Tanya Tacheva (Stara Zagora, Bulgaria), Tanya Tacheva, Dimo Dimov, Yoana Georgieva, Vanya Ilieva, Atanas Koychev, Tatyana Vlaykova

The first designed PCR-RFLP technique for butyrophilin-like 2 rs2076530 polymorphism in sarcoidosis
Alireza Javadi (Tehran, Islamic Republic of Iran), Alireza Javadi, Masoud Zarei, Masoud Shamaei, Arda Kiani, Atefeh Abedini, Makan Sadr, Mihan Pourabdollah

Level of soluble molecules of major histocompatibility complex CLASS II in serum, sputum and exhaled breath condensate in COPD patients with an exacerbation of COPD
Igor A. Klimanov (Moscow, Russian Federation), Igor A. Klimanov, Svetlana Soodaeva, Timur Li, Nailya Kubysheva, Larisa Postnikova, Viktor Novikov, Lidiya Nikitina

Targeting the hippo effector YAP overcomes the de novo and acquired resistances to EGFR-TKI in lung adenocarcinoma
Chaeuk Chung (Daejeon, Republic of Korea), Chaeuk Chung, Dahye Lee, Ju Ock Kim, Sun Young Kim, Jeong Eun Lee, Jea Young Moon, Yeon Hee Park, Sung Soo Jung, Dong Il Park

Differential regulation of cytokine production is mediated by IL-17 in obese children with obstructive sleep apnoea
Shahram Golbabapour (Kuala Lumpur, Malaysia), Shahram Golbabapour, Muhammad Yazid Jalaludin, Azriyanti Anuar Zaini, Anna Marie Nathan, Jessie Anne De Bruyne, Karuthan Chinna, Anura Michelle Manuel, Surendran Thavagnanam

Are Vitamin D receptor genetic polymorphisms associated with chemotherapy response and prognosis in patients with advanced non-small-cell lung cancer?
Sonia Toujani Chekki (Tunis, Tunisia), Sonia Toujani Chekki, Jouda Cherif, Wajih Kaabachi, Houda Snene, Meriem Mjid, Yacine Ouhachi, Nozha Ben Salah, Bechir Louzir, Nadia Mehiri, Kamel Hamzouai, Majed Beji

In vivo genome editing using nuclease-encoding mRNA corrects SP-B deficiency
Alexander Dewerth (Tübingen, Germany), Alexander Dewerth, Azita Mahiny, Lauren E. Mays, Mohammed Alkahled, Benedikt Mothes, Enad Malaeksefat, Brigitta Loretz, Jennifer Rottenberger, Danna M. Brosch, Philipp Reautschnig, Pacharapan Surapolchai, Franziska Zeyer, Andrea Schams, Melanie Carevic, Martina Bakele, Matthias Griese, Matthias Schwab, Bernd Nürnberg, Sandra Beer-Hammer, Rupert Handgretinger, Dominik Hartl, Claus-Michael Lehr, Michael S.D. Kormann

Utilisation of whole slide image analysis to quantify lesion formation, collagen content and cell density within histologically stained fibrotic lung tissue
Lorcan Sherry (South Lanarkshire, United Kingdom), Lorcan Sherry, Mark Anderson, Alison Bigley, Kieran McGregor, Stuart Naylor, Claudio Petterino, Mary McElroy

Whole genome-sequencing of non-tuberculous mycobacteria
Yana Batyrshina (Novosibirsk, Russian Federation), Maya Dymova, Olga Alkhovik, Lubov Evdokimova, Andrey Cherednichenko, Tatjana Petrenko, Yana Batyrshina

Mesenchymal Tsc2 deficiency causes retarded lung alveolarization and polycystic kidney lesion
Mesenchymal Tsc2 deficiency causes retarded lung alveolarization and polycystic kidney lesion
Sitting ren (Changsha, China), Siying Ren, Yongfeng Luo, Hui Chen, Elizabeth P. Henske, Wei Shi

A tissue microarray analysis on the role of chromosome 7 multiplications regarding the EGFR expression in non-small cell lung carcinomas
A tissue microarray analysis on the role of chromosome 7 multiplications regarding the EGFR expression in non-small cell lung carcinomas
Athanasios Stamatoopoulos (Chalandri -Athens, Greece), Athanasios Stamatoopoulos, Evangelos Tsiambas, Petros Michos, Yiannis Gakidis, Dimosthenis Bourou
The luteokocyte telomere length, single nucleotide polymorphisms near TERC gene and risk of COPD
Tanya Tacheva (Stara Zagora, Bulgaria), Tanya Tacheva, Shanbeh Zienolddiny, Dimo Dimov, Heidi Ødegaard Notø, Aage Haugen, Tatyana Vlaykova

The role of SIRT1 in LPS-induced lung endothelial barrier dysfunction and lung injury in vivo
Weizhong Jin (Hangzhou, China), Weizhong Jin

Thematic Poster: What's new in biomarker analysis?
Chairs: Clifford Taggart (Belfast, United Kingdom), Sinead Weldon (Belfast, United Kingdom), Manosij Ghosh (Leuven, Belgium), Mazen Al-Alawi (Dublin, Ireland)

LSC Abstract – Increased oxidative stress leads to telomere shortening in children with alpha-1 antitrypsin deficiency
Francisco Jose Dasi Fernandez (Valencia, Spain), Sara Pastor, Amparo Escribano, Silvia Castillo, Ana Reula, María Mercedes Navarro-García, Francisco Sanz, Estrella Fernandez-Fabrellas, Pilar Codoñer-Franch, Francisco Jose Dasi Fernandez

Lipid biomarkers predictive of gastro-oesophageal reflux in adult asthma
Kamran Tariq (Southampton, United Kingdom), Kamran Tariq, Joost Brandsma, Dominic Burg, Benjamin L. Nicholas, Rene Lutter, Julie Corfield, Kian F. Chung, Peter H. Howarth, Ana R. Sousa, Anthony D. Postle, Peter J. Sterk, Ratko Djukanovic, U-BIOPRED Study Group

Serum microRNA levels in paediatric females versus males with cystic fibrosis
Catherine Greene (Dublin 9, Ireland), Paul McKiernan, Catherine Mooney, David Henshall, Barry Linnane, Paul McNally, Catherine Greene

The relationship between blood eosinophils and bacterial load in COPD patients
Umme Kolsum (Manchester, United Kingdom), Umme Kolsum, Vandana Gupta, Gavin Donaldson, Richa Singh, Bethan Barker, Leena George, Adam Webb, Sarah Thurston, Chris Brightling, Jadwiga Wedzicha, Dave Singh

The National Institute of Health Research T translational Research collaboration in alpha-1-antitrypsin deficiency: The relationship between CT densitometry and the fibrinogen cleavage biomarker A-Val
Diana Crossley (Birmingham, United Kingdom), Diana Crossley, Paul Newby, Rob Stockley

Increased circulating fibrocytes in asthmatic patients with severe OSA
Tsai-Yu Wang (Taipei, Taiwan), Tsai-Yu Wang, Yu-Lun Lo, Chun-Hua Wang, Han-Pin Kuo

Receptor for advanced glycation end products contributes to particulate induced lung function loss and hyperreactivity: Mitigating the effects of a single intense particulate exposure
Sophia Kwon (New York, United States of America), Sophia Kwon, Erin J. Carahe, Syed H. Haider, George Crowley, Audrey K. Lee, Minah Ebrahim, Mohamed Zedan, David J. Prezant, Ann Marie Schmidt, Anna Nolan

Can NPT be used to distinguish eosinophilic inflammatory phenotypes in COPD?
Kirsty Hambleton (Brackley, United Kingdom), Kirsty Hambleton, Catherine Borg, Clare Connolly, Mona Bafadhel

Signalling through the receptor for advanced glycation end products (RAGE) is increased in acute asthma and correlates with symptom severity
Asger Bjerregaard (HILLERØD, Denmark), Asger Bjerregaard, Celeste Porsbjerg, Lucy Barrett, Ingrid Laing, Siew-Kim Khoo, Markus Fally, Peter Le Souëf, Vibeke Backer, Philip Thompson, Svetlana Baltic

Impairment of leptin/leptin receptor pathway in nasal epithelium from allergic turbinates
Andreina Bruno (Palermo, Italy), Andreina Bruno, Antonella Ballacchino, Liboria Siena, Domenica Russo, Salvatore Gallina, Francesco Lorusso, Giuseppina Chiappara, Mark Gjomarkaj, Elisabetta Pace

Influence of smoking on multifunctional membrane surface glycoprotein expression on the surface of T lymphocytes in BAL fluid from patients with pulmonary sarcoidosis
Laimute G Jurgauskiene (Vilnius, Lithuania), Laimute G. Jurgauskiene, Radvile Malickaite, Regina Aleksoniene, Stanislava Simanavičienė, Edvardas Danila

Serum levels of 26S proteasome are lower in patients with asthma
Zivile Zemeckiene (Kaunas, Lithuania), Zivile Zemeckiene, Edita Gasiuniene, Astra Vitkauskiene

Proinflammatory cytokines and IP-10 differentiate neutrophilic and eosinophilic asthma subgroups
Matthew Gueble (Durham, United States of America), Matthew Gueble, Carole Holm, Nicole Grant, Lois Ravage-Mass, Terri-Dawn Levsh, Jean Estrom, Eleni Kapagiannidou, Qing Liu, Peggy O’Connor, Jose Gomez-Villalobos, Lauren Cohn, Geoffrey Chupp
Exacerbations in the subpopulations and intermediate outcome measures in COPD study (SPIROMICS, NHLBI) are associated with sputum eosinophilia but not blood eosinophilia
Annette Hastie (Winston-Salem, United States of America), Annette Hastie, Fernando Martinez, Jeff Curtis, Claire Doerschuk, Nadia Hansel, Stephanie Christenson, Nirupama Putcha, Victor Ortega, R. Graham Barr, Betsy Carretta, David Couper, Eric Hoffman, Richard Kanner, Eric Kleerup, Neil Alexis, Prescott Woodruff, MeiLan Han, Deborah Meyers, Eugene Bleecker

Triggering receptor expressed on myeloid cells (TREM 1): A novel biomarker in the investigation of non-CF bronchiectasis? Preliminary results
Katerina Antoniou (Heraklion, Crete, Greece), Athanasia Proklou, Giorgos Pitsidianakis, Eliza Tsitoura, Chara Koutoulaki, Argyro Hatziantoniou, Despoina Moraitaki, Dimitrios Georgopoulos, Katerina Antoniou, Nikos Tzanakis

Determinants of oxidants load in broncho-alveolar milieu
Giuseppe Valerio (Brindisi, Italy), Giuseppe Valerio, Pierluigi Bracciale, Donato Lacedonia

Inflammatory-cellular composition of the induced sputum (IS) and activity of leucocytes myeloperoxidase (MPO) in asthmatics with different airway response to hyperosmolar stimulus
Juliy M. Perelman (Blagoveshchensk, Russian Federation), Juliy Perelman, Aleksey Pirogov, Anna Prikhodko, Sergey Zinoviev, Evgeniya Afanaseva, Victor Kolosov

Proteome fingerprints define groups with distinct clinico-pathological phenotypes in the U-BIOPRED asthma study
James Schofield (Southampton, United Kingdom), James Schofield, Dominic Burg, Doroteya Staykova, Julie Corfield, Ian Adcock, Kian Fan Chung, Peter Sterk, Paul Skipp, Ratko Djukanovic

A novel flow cytometric based method to measure kinase inhibition in sputum from COPD subjects
Grant Nicholson (London, United Kingdom), Grant Nicholson, Rebecca Holloway, Brian Leaker, Iain Kilty, Mikhail Salganik, Peter Barnes, Louise Donnelly

IL-17A is elevated in patients with COPD and contributes to airway remodeling by acting on fibroblasts
Tianwen Lai (Hangzhou, China), Tianwen Lai, Baoping Tian, Chao Cao, Luangqing Che, Yue Hu, Feng Xu, Songmin Ying, Wen Li, Zhibua Chen, Huahao Shen

LSC Abstract – The association between fine ambient particulate air pollution and lung cancer incidence in adventist health and smog -2 (AHSMOG-2) cohort study
Lida Gharibvand (Corona Del Mar, United States of America), Lida Gharibvand, David Shavlik, Mark Ghamary, Larry Beeson, Samuel Soret, Raymond Knutsen, Synnove Knutsen

Interaction of dietary fatty acids with obesity induced cytokines in primary human pulmonary fibroblasts
Sandra Rutting (Sydney, NSW, Australia), Sandra Rutting, Dia Xenaki, Qi Ge, Lisa Wood, Phil Hansbro, Brian Oliver

Extracellular matrix within the airway smooth muscle layer correlates with age but not in cases of asthma
John Elliot (Perth, WA, Australia), John Elliot, Natasha Sandosham, Robyn Jones, Su-Ann Drew, Karen McKay, Peter Noble, Alan James

The electrophilic 17-oxo-DHA enhances the anti-inflammatory efficacy of fluticasone propionate in COPD patients
Chiara Cipollina (Palermo, Italy), Chiara Cipollina, Serena Di Vincenzo, Liboria Siena, Caterina Di Sano, Mark Gjomarkaj, Elisabetta Pace

Secondary mechanisms of genotoxicity promoted by iron oxide nanoparticles via immune cell activation in vitro
Steve Evans (Swansea, United Kingdom), Steve Evans, Neenu Singh, Nicole Hndow, Tom Wilkinson, Gareth Jenkins, Sharen Doak

Pirfenidone induced inhibition of p38 downregulates procoagulant microparticle generation by human alveolar epithelia cells
Tommaso Neri (Pisa, Italy), Tommaso Neri, Stefania Lombardi, Francesca Faita, Sivia Petrini, Cristina Balia, Valentina Scalise, Roberto Pedrinelli, Pierluigi Paggiani, Alessandro Celi

Body mass index and adipose tissue within the airway wall
John Elliot (Perth, WA, Australia), John Elliot, Francis Green, Alan James, Peter Noble
PA923  Young adult with inherited PiMZ alpha-1-antitrypsin deficiency (A1ATD)-related bronchiectasis: characteristic of blood neutrophils and A1AT protein
Nupur Aggarwal (HANNOVER, Germany), Nupur Aggarwal, Beatriz Martinez Delgado, Sandeep Salipalli, Nerea Matamala, Jessica Rademacher, Nikolaus Schwerk, Tobias Welte, Sabina Janciauskiene, Felix C. Ringshausen

PA924  Ciliary beat frequency study by high speed video microscopy
Gerardo Vizmanos-Lamotte (PAL, Andorra), Gerardo Vizmanos-Lamotte, Sandra Rovira, Alba Torrent, Antonio Moreno-Galdó

PA925  The role of IFN- in severe COPD patients with anamnestic viral-induced exacerbations before and after roflumilast treatment
Iryna Savelikhina (Ivano-Frankivsk, Ukraine), Iryna Savelikhina, Oleksandr Varunkiv, Mykola Ostrovskyy, Mariana Kulynych-Miskiv, Ksenia Ostrovsk

PA926  Induced sputum lipid mediators in severe asthma
Rahul Shrimanker (BRISTOL, United Kingdom), Rahul Shrimanker, Samantha Thulborn, Catherine Borg, Clare Connolly, Ian Pavord

PA927  Cross-talk between TNF-LIGHT and nitrosative stress in the airway remodeling of asthma
Tsunahiko Hirano (Ube, Japan), Tsunahiko Hirano, Kosuke Ito, Nobutaka Edakuni, Kazuto Matsunaga

PA928  The role of IFN- in severe COPD patients with anamnestic viral-induced exacerbations before and after roflumilast treatment
Iryna Savelikhina (Ivano-Frankivsk, Ukraine), Iryna Savelikhina, Oleksandr Varunkiv, Mykola Ostrovskyy, Mariana Kulynych-Miskiv, Ksenia Ostrovsk

PA929  Endothelial dysfunction evaluated by photoplethysmography in patients with COPD and heart failure
Raúl Herrera Saucedo (Puebla, Mexico), Raúl Herrera Saucedo, Dulce Gonzalez-Islas, Rafael Díaz-Martínez, Arturo Orea-Tejeda, Edna Contreras-Ramírez, Brenda Santellano-Juárez, Juan Pineda-Juárez, Rocío Sánchez-Santillán, Oscar Infante-Vázquez, Carlos Cintora-Martínez, Viridiana Peláez-Hernández, Roberto Martínez-Memije, Elisa Pérez-Cabañas, Carlos Espinoza de los Monteros, Marcela Elizondo-Montes

PA930  Obesity is associated with airspace lipid dysregulation
Niki D. J. Ubags (Maastricht, Netherlands), Niki Ubags, Maryellen Antkowiak, Aaron Wallace, Estee Dilli, Matthew J. Wargo, Emmi F.M. Wouters, Benjamin T. Suratt

PA931  Epac1 and Epac2 regulate airway smooth muscle tone in mice
Martina Schmidt (Groningen, Netherlands), Martina Schmidt, Anouk Oldenburger, Harm Maarsingh

PA932  Identification of miR-21 as a regulator of mesothelin expression using microRNA capture affinity coupled with next generation sequencing
Catherine Greene (Dublin 9, Ireland), Chiara de Santi, Sebastian Vencken, Jonathon Blake, Bettina Haase, Vladimir Benes, Landi Stefano, Catherine Greene

PA933  Modulation of lung CD11c+ dendritic cells by TGF- in pulmonary fibrosis in mice
Arindam Bhattacharyya (Kolkata, India), Arindam Bhattacharyya

PA934  MIP-1 is associated with eosinophilic airway inflammation
Yoshiki Kobayashi (Osaka, Japan), Yoshiki Kobayashi, Yasunori Konno, Shigeharu Ueki, Koichi Tomoda, Akira Kanda

PA935  Effect of diesel exhaust (DE) on stress responses and innate immunity in primary bronchial epithelial cell (PBEC) cultures from patients with COPD and controls
Pieter S. Hiemstra (Leiden, Netherlands), Pieter S. Hiemstra, Maria C. Zarcone, Evert Duistermaat, Marcel J. Alblas, Annemarie van Schadewijk, Dennis K. Ninaber, Oscar Infante-Vázquez, Carlos Cintora-Martínez, Viridiana Peláez-Hernández, Roberto Martínez-Memije, Elisa Pérez-Cabañas, Carlos Espinoza de los Monteros, Marcela Elizondo-Montes

T-17  Session 181  12:50 - 14:40

Thematic Poster: Novel insights into alveolar and bronchial epithelial cell injury and repair
Chairs: Masao Takata (London, United Kingdom), Emma Rawlins (CAMBRIDGE, United Kingdom), Irene Heijink (Groningen, Netherlands), Olivier Burgy (Dijon, France)

PA936  LSC Abstract - The role of platelet-expressed C-type lectin-like receptor-2 in regulating the severity of murine lung injury
Sian Lax (BIRMINGHAM, United Kingdom), Sian Lax, Julie Rayes, David Thickett, Steve Watson

PA937  LSC Abstract - Identification of distinct biological phenotypes of ARDS by cluster analysis and association with mortality
Lieuwe Bos (Amsterdam, Netherlands), Lieuwe Bos, Laura Schouten, Lonneke van Vught, Maryse Wiewel, David Ong, Olaf Cremer, Tom van der Poll, Janneke Horn, Nicole Juffermans, Marcus Schultz

PA938  LSC Abstract - Vitamin D stimulates macrophage effectorcytosis and encourages a proresolution phenotype
Dhruv Parekh (Birmingham, United Kingdom), Dhruv Parekh, Gavin Perkins, David Thickett
PA939 Mesenchymal stromal cells (MSC) anti-microbial effect in acute respiratory distress syndrome (ARDS) is mediated in part by enhanced alveolar macrophage phagocytosis through cell contact-dependent mitochondrial transfer leading to improved macrophage bioenergetics
Megan Jackson (Belfast, United Kingdom), Megan Jackson, Thomas Morrison, Danny McAuley, Cecilia O’Kane, Michael Matthay, Anna Krasnodebskaya

PA940 A mouse model of acute lung injury implicates phospholipase C in neutrophilic inflammation through CXC chemokine production
Kanoko Umezawa (Kobe, Japan), Kanoko Umezawa, Tatsuya Nagano, Hironori Edamatsu, Haruka Nishimura, Daisuke Tamura, Kazuyuki Kobayashi, Tohru Kataoka, Yoshihiro Nishimura

PA941 ATP selectively packages TNF within microvesicles released from alveolar macrophages
Sanooj Soni (London, United Kingdom), Sanooj Soni, Ying Ying Tan, Kahori Cho, Michael Wilson, Kieran O’dea, Masao Takata

PA942 Neutrophil extracellular traps are pathogenic in ventilator-induced lung injury and its formation is dependent on TLR4 signaling
Haosi Li (Changsha, China), Haosi Li, Pinhua Pan

PA943 Proton-sensing TDA8 exhibits the protective role in lipopolysaccharide-induced acute lung injury
Hiroaki Tsurumaki (Maebashi, Japan), Hiroaki Tsurumaki, Takeshi Hisada, Chihiro Mogi, Haruka Saito-Aoki, Masakiyo Yatomi, Yousuke Kamiide, Masayuki Tobo, Koichi Sato, Yasuhiro Koga, Akihiro Ono, Kunio Dobashi, Tamotsu Ishizuka, Masanobu Yamada, Fumikazu Okajima

PA944 Oxidative stress in TGF-1 mediated fibrosis in Z alpha-1 antitrypsin cells
Samuel Alam (Cambridge, United Kingdom), Samuel Alam, Ravi Mahadeva

PA945 Cell therapy for the treatment of acute lung injury: Alveolar type II cells or mesenchymal stem cells?
Raquel Guillamat-Prats (Barcelona, Spain), Raquel Guillamat-Prats, Marta Camprubí-Rimblas, Ferranda Puig, Raquel Herrero, Anna Serrano-Mollar, Jessica Tijero, Maria Orfano, Anastasia Kotanidou

PA946 Aquaporin levels in murine lung injury
Alice Vassiliou (Athens, Greece), Alice Vassiliou, Nikolos Manitsopoulos, Fatma Tardara, Nikolaos Maniatis, Stylianos Orfano, Anastasia Kotanidou

PA947 Effects of VAChT reduction on the time course of lung inflammation in mice with acute lung injury
Nathalia Pinheiro (SAO PAULO/SP, Brazil), Nathalia Pinheiro, Fernanda Santana, Luciana Caperuto, Iolanda Tiberio, Vania Prado, Marco Antonio Prado, Milton Martins, Carla Prado

PA948 Leukotriene E4 affects expression of genes involved in inflammatory, remodelling and mitogenic responses in human bronchial epithelial cells
Siiri Altraja (Tartu, Estonia), Siiri Altraja, Mario Mitt, Alan Altraja

PA949 Cigarette smoke alters primary human bronchial epithelial cell (PBEC) differentiation at air-liquid interface (ALI) and induces expression of CD105 and CD146
Rosalia Gagliardo (Palermo, Italy), Rosalia Gagliardo, Fabio Bucchieri, Giuseppe Daniela Albano, Angelina Maria Montalban, Roberto Marchese, Giulia Anzalone, Alberto Fucarino, Giuseppe Paglino, Chiara Lo Negro, Pascal Chanez, Mirella Profta

PA950 Is there a secondary defect in CFTR in the nasal epithelium of patients with primary ciliary dyskinesia?
Katharine Harman (Melbourne, VIC, Australia), Suzanne Crowley, Michael Waller, Eric Alton, Jane Davies

PA951 LSC Abstract - Unsupervised gene co-expression analysis identifies a novel endotype in severe asthma
Akul Singhania (Southampton, United Kingdom), Akul Singhania, Laurie C.K. Lau, Hitasha Rupani, Nivenka Jayasekera, Hans Michael Haithc, Christopher H. Woelk, Peter H. Howarth

PA952 LSC Abstract - System biology of adrenomedullin is controlled via its cell type specific expressed receptors in the human lung
Jyotshna Mandal (Basel, Switzerland), Jyotshna Mandal, Michael Roth, Eleni Papakonstantinou, Lukas Bubendorf, Spasenija Savic, Michael Tamm, Daiana Stolz

PA953 TGF induced epithelial to mesenchymal transition (EMT) as a model of COPD
Jo-Maree Courtney (Hobart, Australia), Jo-Maree Courtney, Patricia Spafford, Sukhwinder Singh Sohal, E. Haydn Walters

PA954 Lung ageing in C57/B16 and BALB/c mice is characterized by a defective surfactant metabolism, increased ER stress and inflammasome induction
Martina Korfei (Giessen, Germany), Martina Korfei, David Klaus, Daniel Stelmaszek, Clemens Ruppert, Ingrid Henneke, Werner Seeger, Andreas Guenther
Primary ciliary dyskinesia caused by loss-of-function GAS8 mutations due to defects of the nexin-dynein regulatory complex
Johanna Raidt (Münster, Germany), Johanna Raidt, Claudius Werner, Heike Olbrich, Niki T. Loges, Julia Wallmeier, Petra Pennekamp, Christine Edelbusch, Oliver Schwartz, Gerard W. Dougherty, Carolin Cremers, Kim G. Nielsen, June K. Martin, Maria Philipsen, Holger Thiele, Janine Altmüller, Frank Rommelmann, Heymut Omran

**PA955**

**T-18**

**Session 182** 12:50 - 14:40

**Thematic Poster: Pulmonary drug delivery**

**Chairs:** Omar Usmani (London, United Kingdom), Nicolas Roche (Paris, France), Paul Hagedoorn (Groningen, Netherlands), Chair to be confirmed

**PA956**

**Assessment of passive humidifier performance following on-ventilator aerosol therapy**
Patrick Kelly (Galway, Ireland), Patrick Kelly, Andrew O’Sullivan, Louise Sweeney, Ronan Mac Loughlin

**PA957**

**Effect of breathing parameters on lung dose in case of two combination drugs used in asthma and COPD therapy**
Árpád Farkas (Budapest, Hungary), Árpád Farkas, Ágnes Jókay, Péter Füri, Imre Balásházy

**PA958**

**Edry™: an innovative dry powder technology evaluated via functional respiratory imaging (FRI)**
Wim Vos (Heist-op-den-Berg, Belgium), Giovanni Caponetti, Loretta Maggi, Marco Sardina, Franco Castegini, Luca Raiteri, Isabella Salerio, Ioannis Kottakis, Cedric Van Holsbeke, Jan De Backer, Wim Vos

**PA959**

**Device handling study of a novel fluticasone propionate/formoterol breath-triggered inhaler**
Mark Lomax (CAMLBRIDGE, United Kingdom), David Bell, Lucicelle Mansfield, Mark Lomax

**PA960**

**Reproducibility of inhaler use and pulmonary drug deposition in COPD**
Tamás Erdélyi (Budapest, Hungary), Tamás Erdélyi, Zsófia Lázár, Balázs Odler, Anikó Bohács, Noémi Eszes, Ágnes Jókay, Árpád Farkas, Imre Balásházy, Veronika Müller

**PA961**

**Novel jet nebulizer/holding chamber for drug delivery to the deep lung**
Gerald Smaldone (Stony Brook, United Kingdom), Gerald Smaldone, Ashwin Gowda, Rohinton Toddywala

**PA962**

**Systemic exposure and lung bioavailability across two different dose strengths of CHF5993 a novel Triple pMDI**
Annalisa Piccinno (Parma, Italy), Annalisa Piccinno, Lisa D’Amato, Mario Scari, Annamaria Muraro, Daniela Acerbi

**PA963**

**Inhalation technique in patients with obstructive pulmonary diseases - Most common mistakes and factors, favouring the correct technique**
Zlatina Ivanova (Pleven, Bulgaria), Zlatina Ivanova, Illya Krachunov, Nikolay Kyuchukov, Nikolay Yanev, Pavlina Glogovska, Plamen Pavlov, Tsania Popova, Yavor Ivanov

**PA964**

**Effect of antistatic AeroChamber Plus® Flow-Vu® spacer on the systemic bioavailability of CHF5993 a novel triple pMDI**
Fabrizia Mariotti (Parma, Italy), Fabrizia Mariotti, Sara Collarini, Stefano Vezzoli, Daniela Acerbi, Mario Scari, Piotr Kuna

**PA965**

**Stimulation with polyinosinic-polycytidylic acid (poly(I:C)) encapsulated within novel pH-sensitive switchable liposomes leads to a faster and more potent interferon response**
Larry Lands (Montreal, Canada), Nurlan Dauletbaev, Maria Cammisano, Warren Viricel, Suli-Anne Laurin, Jeanne Leblond-Chain, Larry Lands

**PA966**

**Observation of the knowledge and use of inhalers in children**
Christophe Goubau (Brussels, Belgium), Christophe Goubau, Nicolas Audag, Marie-Line Chanel, Veronique Godding, Giuseppe Liistro, Gregory Reychner

**PA967**

**Mesh nebulizer capabilities in aerosolizing a wide range of novel pharmaceutical formulations**
Ross Hatley (Chichester, United Kingdom), Ross Hatley, Lucy Hardaker

**PA968**

**Z7200 versus Symbicort® Turbohaler®: A pharmacodynamic evaluation of the acute effects using functional respiratory imaging (FRI)**
Wim Vos (Heist-op-den-Berg, Belgium), Wim Vos, Cedric Van Holsbeke, Jan De Backer, Giovanni Caponetti, Franco Castegini, Marco Sardina, Luca Raiteri, Isabella Salerio, Ioannis Kottakis, Johan Clukers, Wilfried De Backer

**PA969**

**Budesonide-formoterol Easyhaler®: Dose consistency under simulated real-life conditions**
Jussi Haikarainen (Espoo, Finland), Jussi Haikarainen, Paula Rytilä, Sirpa Metsärinne, Anita Harponen

**PA970**

**Satisfaction survey on the use of breath actuated Inhaler**
Neeraj Gupta (NEW DELHI, India), Neeraj Gupta, Ajay Darbar

**PA971**

**Impact of critical handling errors on delivered budesonide/formoterol dose in dry powder inhalers - An in vitro study**
Gunilla Telg (Sodertalje, Sweden), Thomas Lööf, Gunilla Telg, Georgios Stratelis
Inhaler preference comparing two alternative dual bronchodilator regimens
John Riley (UXBRIDGE, United Kingdom), John Riley, Amy Newlands, William Fahy, Mitra Vahdati-Bolouri, Margaret Tabberer

In vitro validation of the use of a spacer with an extrafine beclomethasone/formoterol formulation
Emeline Furon (Valognes, France), Emeline Furon, Thierry Porée

Deposition of inhaled nanoparticles, airflow obstruction and emphysema
Per Wollmer (Malme, Sweden), Laura Aaltenon, Hanna Nicklasson, Jonas Jakobsson, Sophia Zackrisson, Jakob Lönndahl, Per Wollmer

Initial interaction of fluticasone propionate with ciliated respiratory epithelium
Dani Do Hyang Lee (London, United Kingdom), Dani Do Hyang Lee, Priya Radhakrishnan, Claire M. Smith, Chris O’Callaghan

T-19  Session 183  12:50 - 14:40

Thematic Poster: Pharmacological treatment of COPD: focus on LABA/LAMA combinations

Chair: Reinoud Gosens (Groningen, Netherlands), András Bikov (Budapest, Hungary), Mario Cazzola (ROMA, RM, Italy), Pankaj Bhavsar (London, United Kingdom)

Effect of 8 and 12 weeks’ once-daily tiotropium and olodaterol, alone and combined with exercise training, on exercise endurance during walking in patients with COPD
Thierry Troosters (Glasgow, United Kingdom), Thierry Troosters, Jean Bourbeau, François Maltais, Nancy Leidy, Damijan Erzen, Dorothy De Sousa, Lawrence Korducki, Kim L. Lavoie, Wim Janssens, Alan Hamilton

Combined tiotropium + olodaterol influences physical functioning in COPD: Results of an open-label observational study
Sauer Ruediger (Ulm, Germany), Sauer Ruediger, Michaela Haensel, Roland Buhl, Roman A. Rubin, Marcel Frey, Andrea Marseille, Thomas Glaab

Tiotropium + olodaterol provides significant lung-function benefits compared to fluticasone + salmeterol regardless of prior bronchodilator use
Leif Bjerner (Lund, Sweden), Eric Derom, Kai-Michael Beeh, José Echave-Sustaeta, Lars Grönke, Dongmei Zhai, Leif Bjerner

Tiotropium + olodaterol in patients with moderate to severe COPD with chronic bronchitis and/or emphysema
Roland Buhl (Mainz, Germany), Roland Buhl, Eric Derom, Leif Bjerner, Lars Grönke, Florian Voß, Matjaz Flezar

Prevention of deteriorations in COPD on stepping up from tiotropium to umeclidinium/vilanterol
Ian Naya (Uxbridge, United Kingdom), Ian Naya, Lee Tombs, Mitra Vahdati-Bolouri, Chris Kalberg

Comparative efficacy of umeclidinium/vilanterol versus LABA/LAMA therapies in COPD: A network meta-analysis
Afisi Ismaila (Research Triangle Park, United States of America), Eline Huisman, Katya Sion, Yogesh Punekar, Andreas Karabis, Ian Naya, Afisi Ismaila

Indacaterol/glycopyrronium (IND/GLY) is superior to salmeterol/fluticasone (SFC) in improving the health status of patients with moderate-to-severe COPD: Results from the FLAME study
Kenneth R. Chapman (Toronto, Canada), Kenneth R. Chapman, Nicolas Roche, Tim Ayers, Angel FowlerTaylor, Chau Thach, Norbert Ahlers, Robert Fogel, Francesco Patalano, Donald Banerji

Indacaterol/glycopyrronium (IND/GLY) delays clinically important deterioration (CID) versus salmeterol/fluticasone (SFC) in symptomatic COPD patients: LANTERN/ILLUMINATE pooled analysis
Antonio R. Anzueto (San Antonio, United States of America), Antonio R. Anzueto, Konstantinos Kostikas, Karen Mezzi, Sebastian Fucile, Giovanni Bader, Steven Shen, Donald Banerji, Robert Fogel

Effect of indacaterol/glycopyrronium versus salmeterol/fluticasone on hypothalamic pituitary-adrenal axis function in moderate-to-severe COPD patients: Results from the FLAME study
Petter Olsson (Alvsjö, Sweden), Petter Olsson, Claus Vogelmeier, Kenneth Chapman, Angel FowlerTaylor, Tim Ayers, Chau Thach, Robert Fogel, Francesco Patalano, Donald Banerji

Efficacy of indacaterol/glycopyrronium (IND/GLY) versus salmeterol/fluticasone (SFC) on exacerbations and health status in GOLD Group D COPD patients: The FLAME study
Paul Michael Larbig (Pfefingen, Switzerland), Paul Michael Larbig, Claus Vogelmeier, Nicolas Roche, Tim Ayers, Angel FowlerTaylor, Chau Thach, Annupama Shrinivasan, Robert Fogel, Francesco Patalano, Donald Banerji

Indacaterol/glycopyrronium (IND/GLY) improves lung function irrespective of gender baseline differences in patients with COPD: A pooled analysis from the IGNITE Program
Ioanna Tsigiagianni (Heraklion, Crete, Greece), Ioanna Tsigiagianni, Karen Mezzi, Sebastian Fucile, Konstantinos Kostikas, Steven Shen, Donald Banerji, Robert Fogel
Indacaterol/glycopyrronium (IND/GLY) reduces exacerbation and improves lung function versus salmeterol/fluticasone (SFC) in patients with and without prior ICS use: The FLAME study

Francesco Patalano (Basel, Switzerland), Francesco Patalano, Jadwiga A. Wedzicha, Jørgen Vestbo, Angel FowlerTaylor, Tim Ayers, Chau Thach, Neha Ruparelia, Robert Fogel, Donald Banerji

Indacaterol/glycopyrronium (IND/GLY) reduces the risk of clinically important deterioration (CID) versus open-label tiotropium (Tio) in COPD patients: Post hoc analysis from SHINE and SPARK studies

Antonio R. Anzueto (San Antonio, United States of America), Antonio R. Anzueto, Konstantinos Kostikas, Karen Mezzi, Sebastian Fucile, Giovanni Bader, Steven Shen, Donald Banerji, Robert Fogel

Once-daily indacaterol/glycopyrronium (IND/GLY) reduces all exacerbations compared with twice-daily salmeterol/fluticasone (SFC) in COPD patients with 1 exacerbation in the previous year: The FLAME study

Wisia Wedzicha (London, United Kingdom), Jadwiga Wedzicha, Claus F. Vogelmeier, Tim Ayers, Angel FowlerTaylor, Chau Thach, Petter Olsson, Robert Fogel, Francesco Patalano, Donald Banerji

Once-daily indacaterol/glycopyrronium (IND/GLY) reduces use of rescue medication versus twice-daily salmeterol/fluticasone (SFC) in patients with moderate-to-very severe COPD: results from the FLAME study

Robert Fogel (East Hanover, United States of America), Robert Fogel, Kenneth R. Chapman, Claus F. Vogelmeier, Angel FowlerTaylor, Tim Ayers, Chau Thach, Sarah Whelan, Karyn Clerkin, Francesco Patalano, Donald Banerji

Indacaterol/glycopyrronium (IND/GLY) reduces exacerbations compared with salmeterol/fluticasone (SFC) in various sub-groups from the FLAME study

Wisia Wedzicha (London, United Kingdom), Jadwiga Wedzicha, Kenneth Chapman, Angel FowlerTaylor, Tim Ayers, Chau Thach, Petter Olsson, Robert Fogel, Francesco Patalano, Donald Banerji

Benefits of the LAMA/LABA glycopyrronium (GP)/formoterol (FF) MDI FDC, delivered using a novel MDI co-suspension technology (GFF MDI), increase with baseline symptom severity in COPD patients (pts)

Fernando J. Martinez (New York, United States of America), Fernando J. Martinez, Leonardo M. Fabbri, Gary T. Ferguson, Shahid Siddiqui, Chad Oreivillo, Patrick Darken, Robert Fogel

Once-daily use of long-acting bronchodilators in COPD and the risk of adverse cardiovascular events: A population-based study

Samy Suissa (Montréal, QC, Canada), Samy Suissa, Sophie Dell’Aniello, Pierre Ernst

Pooled analysis of 24-h lung function following treatment with the LAMA/LABA glycopyrronium/formoterol fumarate fixed-dose combination, delivered by a novel MDI co-suspension technology (GFF MDI), in COPD patients (pts)

Colin Reisner (Morristown, United States of America), Colin Reisner, Gregory Gottschlich, Faisal Fakh, Andras Koser, James Krainson, Luis Delacruz, Samir Arora, Gregory Feldman, Krishna Pudi, Shahid Siddiqui, Chad Oreivillo, Andrea Maes

LATE-BREAKING ABSTRACT: TRILOGY: a phase III study to evaluate the efficacy and safety of an extrafine triple combination of beclometasone dipropionate (BDP), formoterol fumarate (FF), and glycopyrronium bromide (GB) pMDI (CHF5993) in COPD patients

Géraldine Cohuet (Courbevoie, France), Dave Singh, Alberto Papi, Massimo Corradi, Isabella Montagna, Catherine Francisco, Géraldine Cohuet, Stefano Vezzoli, Annamaria Muraro, Stefano Petruzzelli, Mario Scu, Jorgen Vestbo

Thematic Poster: Systemic biomarkers

L-arginine pathway metabolites can predict exacerbation independently from beta blocker treatment in patients with COPD: A follow-up study

Tihamér Szabolcs Molnár (Pécs, Hungary), Tihamer Molnar, Veronika Sarosi, Balazs Illes, Ildiko Horvath, Istvan Ruzsics

Association of the neutrophil-to-lymphocyte ratio with lung function and exacerbations in patients with chronic obstructive pulmonary disease

Soo-Jung Um (Busan, Republic of Korea), Soo-Jung Um, Seul Lee, Bo Hyoun Kang, Choonhee Son, Kwang Ha Yoo, Ki-Suck Jung

Role of differential scanning calorimetry (DSC) in the staging of COPD: A new approach to an old definition problem

Zsuzsanna Szalai (Mosonmagyaróvár, Hungary), Zsuzsanna Szalai, Tamas F. Molnar, Denes Lorinczy

Reactive oxygen metabolite levels are surrogate biomarkers for predicting exacerbation of bronchial asthma

Keitaro Nakamoto (Tokyo, Japan), Keitaro Nakamoto, Masato Watanabe, Mitsuhiro Sada, Toshiya Inui, Yukari Ogawa, Masuo Nakamura, Kojiro Honda, Takashi Koide, Saori Takata, Takuma Yokoyama, Takeshi Saraya, Daisuke Kural, Hiroo Wada, Haruyuki Ishii, Hajime Takizawa
Thematic Poster: Non-inflammatory assessment of airway disorders

**Chair:** Silvano Dragonieri (Bari, Italy), Andrei Malinovschi (Uppsala, Sweden), Stephen James Fowler (Preston, United Kingdom), Régis Matran (Lille, France)
PA1016  The impact of a structured consultation delivered by a respiratory nurse specialist on patients' use of personalised asthma action plans (PAAP)
Andrew Smith (Wishaw, United Kingdom), Andrew Smith, Soong Tan, Manish Patel, Maureen Carroll, Judy Lever, Amanda Lee, Eddie McKnight, John Haughney

PA1017  Does increasing the access to specialist respiratory team reduce the presentation and admission of acute asthma to hospital?
Helen Goldstein (Wigan, United Kingdom), Helen Goldstein, Sandra Dermott, Imran Aziz

PA1018  Randomized, controlled study of the impact of a mobile health tool on asthma SABA use, control and adherence
Meredith Barrett (San Francisco, United States of America), David Van Sickle, Meredith Barrett, Olivier Humblet, Kelly Henderson, Chris Hogg

PA1019  Telehealthcare in COPD - A feasibility trial
Frank Rassouli (St. Gallen, Switzerland), Frank Rassouli, Maurus Pfister, Florent Baty, Sandra Widmer, Martin Brutsche

PA1020  Standard of inpatient care during exacerbation in territory Care Hospital, Pakistan; A completed audit cycle
Saima Akhter (Karachi, Pakistan), Saima Akhter, Nadeem Rizvi, Shaista Ghazal

PA1021  Systematic review of the relevance of CT densitometry in patients with COPD and AATD
Diana Crossley (Birmingham, United Kingdom), Diana Crossley, Alice Turner

PA1022  Correlation of GINA asthma control with lung volumes, airway resistance, diffusion and 6MWT
Isha garg (jodhpur, India), Isaha Garg, K.C. Agarwal, Gopal Purohit, C.R. Choudhary, Naveen Dutt, Sunil Vyas, Srikant Agarwal, U. Narendra

PA1023  COPD staging systems and BODE index
Efrain Jose Sanchez Angarita (Caracas, Distrito Capital, Venezuela), Efrain Sanchez Angarita, Maria Eugenia Laucho-Contreras, Arteta Andres, Herrera Lesly, Palatz Rosana, Montes de Oca Maria

PA1024  Cough detection in cystic fibrosis, primary ciliary dyskinesia and health
Joerg Grosse-Neembrink (Muenster, Germany), Joerg Grosse-Neembrink, Andrea Radine, Claudius Werner, Heymut Omran

PA1025  Are asthma patients willing to participate in an interactive web-based disease registry?
Duco Schippers (Amsterdam, Netherlands), Duco Schippers, P.W. Hekking, J.K. Sont, E.H.D. Bel

PA1026  Alveolar-arterial oxygen gradient in asthma
Dominick Shaw (Nottingham, United Kingdom), Dominick Shaw, Ireti Adejumo, Ruth Green, Ian Pavord

PA1027  Comparison of online and paper versions of the asthma control questionnaire and asthma quality of life questionnaire
Ian Smith (Blokker, Netherlands), Ian Smith, Jiska Snoeck-Stroband, Persijn Honkoop, Jacob Sont, MyAirCoach Study Group

PA1028  The NIHR translational research collaboration: The relationship between CT densitometry and quality of life in alpha one antitrypsin deficiency
Diana Crossley (Birmingham, United Kingdom), Diana Crossley, Ross Edgar, Rob Stockley

PA1029  COPD discharge care bundles - Do they reduce hospital readmission rates?
Emma Crawford (Shropshire, United Kingdom), Emma Crawford, Karen Leech, Janice Bailey, Carole Lynch, Gillian Owen, Barbara Rickard, Ian Evans, Naveed Mustafa, Imran Hussain, Helen Stone

PA1030  The effects of socioeconomic status on health outcomes in patients with COPD
Ali Kocaba (ADANA, Turkey), Ali Kocabas, Ezgi Ozyilmaz

PA1031  Assessing the cost-effectiveness of the doctor-patient remotemonitoring system of chronic non-communicable diseases
Sergey Fedosenko (Tomsk, Russian Federation), Evgeny Kulikov, Olga Kobaykova, Ivan Deev, Vadim Boykov, Alexandra Golubeva, Sergey Fedosenko

PA1032  Smart watch for monitoring physical activity in patients with chronic obstructive pulmonary disease
Esteban Gabazza (Tsu-Mie, Japan), Osamu Hataji, Yoichi Nishii, Tadashi Sakaguchi, Haruko Saiti, Kentaro Ito, Corina D’Alessandro-Gabazza, Tetsu Kobayashi, Esteban Cesar Gabazza Sanabria, Osamu Taguchi

PA1033  Smart phone-based platform for diagnosing asthma and COPD
Daniel Chamberlain (Cambridge, United States of America), Daniel Chamberlain, Rahul Kodgule, Yogesh Thorat, Vandana Das, Richard Fletcher
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<th>PA1034</th>
<th>Impact of telemonitoring on readmissions in patients with COPD after hospital discharge</th>
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<tr>
<th>PA1035</th>
<th>Patient specific parameter thresholding to support domiciliary monitoring in COPD</th>
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<tr>
<td>Ahmed Al Rajeh (London, United Kingdom), Ahmed Al Rajeh, Michelle Obrien, Jennie Symondson, John Hurst</td>
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T-22 | Session 186 | 12:50 - 14:40 |

**Thematic Poster: Monitoring airway diseases with clinical tools**

**Chairs:** Mona Bafadhel (Oxford, United Kingdom), Andriana Papaioannou (Vrilissia, Athens, Greece), Caterina Bucca (Turin, Italy), Therese Lapperre (København, Denmark)

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<th>PA1036</th>
<th>The effect of regional differences on visual arts interpretation in exacerbation and stable periods of chronic airway diseases</th>
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<tr>
<td>Fusun Yildiz (KOCAEL, Turkey), Fusun Yildiz, Serap Argun Baris, Tugba Onyilmaz, Osman Odabas</td>
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<th>PA1037</th>
<th>Emergency department (ED) attendance with asthma: An unmet need for specialist review</th>
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<tr>
<td>Ian Clifton (Sherburn-In-Elmet, United Kingdom), Sarah Smart, Louise Carefoot, Anin Dasgupta, Tim Sutherland, Ian Clifton</td>
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<th>PA1038</th>
<th>Patients' adherence to chronic treatment in lung diseases: Preliminary data from a randomized controlled trial</th>
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<td>Claudia Gregoriano (Liestal, Switzerland), Claudia Gregoriano, Simona Henny-Reinalter, Sabrina Maier, Anna-Lisa Flamm, Thomas Dieterle, Isabelle Arnet, Kurt E. Hersberger, Jörg D. Leuppi</td>
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<tr>
<th>PA1039</th>
<th>Asthma attendances in the emergency department; frequency and timing</th>
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<tr>
<td>Thomas Jones (Chichester, United Kingdom), Thomas Jones, Claire Roberts, Ellie Lanning, Daniel Neville, Thomas Brown, Anoop Chauhan</td>
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<tr>
<th>PA1040</th>
<th>A comparison of general and respiratory physicians’ follow up arrangements post discharge after asthma exacerbations</th>
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<td>Sana Ullah (warrington, United Kingdom), Sana Ullah, Ilyas Sulaiman, Tom Opray, Gareth Jones, Hassan Burhan, Helen James, Bev Mcdonough</td>
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<th>PA1041</th>
<th>Factors predicting treatment outcome in hospitalized patients with acute exacerbation of COPD (AECOPD)</th>
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<td>Jayalakshmi T. Kutty (MUMBAI (MAHARASHTRA), India), Jayalakshmi T. Kutty, Padmaraj Ankale, Aparna Iyer, Sanket Jain</td>
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<th>PA1042</th>
<th>Identification of asthma level of control using administrative data of short-acting beta-agonist inhalers purchase</th>
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<td>Dekel Shlomi (Petah-Tiqwa, Israel), Dekel Shlomi, Irit Katz, Michael Segal, Nir Peled</td>
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<tr>
<th>PA1043</th>
<th>Comparison of patient-reported outcomes (PROs) during acute exacerbation of chronic obstructive pulmonary disease</th>
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<tr>
<td>Saya Nakamura (Toyokawa-shi, Japan), Saya Nakamura, Masaaki Kusunose, Kazuyoshi Senda, Koichi Nishimura</td>
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<tr>
<th>PA1044</th>
<th>COPD attendances in a busy emergency department; frequency and timing</th>
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<tr>
<td>Daniel Neville (Havant, United Kingdom), Daniel Neville, Thomas Jones, Ellie Lanning, Thomas Brown, Ben Green, Anoop Chauhan</td>
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<th>PA1045</th>
<th>Automated classification of productive and non-productive cough</th>
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<tr>
<td>Volker Gross (GIESSEN, Germany), Volker Gross, Patrick Fischer, Nicole Kerkenberg, Christoph Urban, Andreas Weissflog, Ulrich Koehler, Keywan Sohrabi</td>
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<th>PA1046</th>
<th>COPD related fatigue (COPD-RF) as a patient centred outcome tool in COPD: Various predictors and its correlation with other outcome parameters</th>
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<tr>
<td>Sheetal Chaursasia (BANGALORE (KARNATAKA), India), Sheetal Chaursasia, Alamelu Haran, Anish Reddy, Pavny Chawla</td>
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<tr>
<th>PA1047</th>
<th>Assessing symptoms in COPD: Use of the E-RS daily digital diary in early drug development</th>
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<tr>
<td>Bruce Miller (Phoenixville, United States of America), Bruce Miller, Ruth Tal-Singer, Aili Lazaar, Nancy Leidy, Henrik Watz, David Collins, John Yonchuk, Maggie Tabberer</td>
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<tr>
<th>PA1048</th>
<th>Implementation of the patient outcomes and information service (POINTS) to improve the management of chronic obstructive pulmonary disease (COPD) in Lanarkshire</th>
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<tr>
<td>Andrew Smith (Wishaw, United Kingdom), Andrew Smith, Soong Tan, Manish Patel, Maureen Carroll, Karon Carson, Andy Currie</td>
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<td>PA1049</td>
<td>Asthma management in a specialist setting: Results of a national survey</td>
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<td>Fulvio Braido (Genova, Italy), Marta Ferrari, Silvia Garuti, Fulvio Braido, G. Walter Canonica, Ilaria Baiardini on behalf of SIMeR A3LTC</td>
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<tr>
<th>PA1050</th>
<th>IE-3 study. Impact of a specialized intervention in the diagnosis of COPD</th>
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<tr>
<td>Nagore Blanco Cid (Ourense, Spain), Nagore Blanco Cid, Pedro J. Marcos, Isaura Parente Lamelas, Hugo Gomez Marquez, Jose Abal Arca, Pedro Marcos Velazquez</td>
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<tr>
<th>PA1051</th>
<th>Different associations between airflow limitation and health-related quality of life based on COPD severity</th>
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<tr>
<td>Sukyeon Kim (Seoul, Republic of Korea), Sukyeon Kim, Hye Yun Park, Byung Woo Jhun, Daegeun Lee, Seong Mi Moon, Seong Yong Lim, Cin Kook Rhee, Kwang Ha Yoo, Jung Yeon Lee</td>
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<th>PA1052</th>
<th>Predictor parameters for exercise intolerance in patients with chronic obstructive pulmonary disease (COPD)</th>
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<td>Bojana Borutarz Petanjek (Zagreb, Croatia), Bojana Borutarz Petanjek, Sanja Popovic-Grel, Marina Abramovic, Suzana Kukljul, Nataša Karamarkovic Lazarušic</td>
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<th>PA1053</th>
<th>The control of asthma in real life: Baseline evaluation of a long-term study</th>
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<td>Ernesto Crisafulli (Pavullo, Italy), Ernesto Crisafulli, Roberta Pisi, Fabio Arpinelli, Marina Aiello, Meryem El Majdoub, Davide Feci, Antonella Ielpo, Massimo Guarro, Giuseppina Bertorelli, Alfredo Chetta</td>
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<th>PA1054</th>
<th>Correlation between Arabic version of the asthma control test, forced expiratory volume at 1 s and exhaled nitric oxide in Tunisian asthmatic patients</th>
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<td>Ferdaous Yangui (Tunis, Tunisia), Ferdaous Yangui, Rimeh Ayari, Mariem Triki, Maher Abouda, Hend Khouani, Mohamed Ridha Charfi</td>
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<tr>
<th>PA1055</th>
<th>Efficacy of comprehensive education program including inhaler training and disease management on COPD</th>
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<tr>
<td>Joo Hun Park (Suwon, Republic of Korea), Joo Hun Park, Kwang Ha Yoo, Jung Yeon Lee, Ji-Hyun Lee, Tae-Hyung Kim, Cin Kook Rhee, Ho-Kee Yum</td>
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**T-23 Session 187 12:50 - 14:40**

**Thematic Poster: Airway biomarkers**

**Chairs:** Vibeke Backer (Copenhagen, Denmark), Marieann Hogman (Uppsala, Sweden), Anna-Carin Olin (Gothenburg, Sweden), Nikoleta Rovina (Athens, Greece)

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<th>PA1056</th>
<th>Measuring exhaled hydrogen sulphide (eH2S) levels in asthma</th>
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<td>Uruj Hoda (St Albans, United Kingdom), Uruj Hoda, Hendrica Zwetsloot, Sally Meah, Pankaj Bhavsar, Fan Chung</td>
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<th>PA1057</th>
<th>Use of an electronic wheeze detection tool to monitor development of wheeze during mannitol inhalational bronchial challenge for the diagnosis and management of asthma</th>
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<td>Shivonne Prasad (Melbourne, VIC, Australia), Shivonne Prasad, Eleonora Del Colle, Francis Thien</td>
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<th>PA1058</th>
<th>Exhaled breath temperature (EBT) in asthmatic patients: Influence of severity and underlying mechanisms</th>
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<td>Polyniavi Ntontsi (Athens, Greece), Polyniavi Ntontsi, Petros Bakakos, Georgios Papatheodorou, Konstantinos Kostikas, Elissavet Konstantellou, Georgios Hillas, Georgios Papadakis, Leonidas Angelakis, Nikolaos Koulouris, Spyridon Papiris, Stelios Loukides</td>
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<th>PA1059</th>
<th>Monitoring oxidative stress during recovery from COPD exacerbations: Comparison of airway and systemic malondialdehyde levels</th>
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<tr>
<td>Orsolya Drozdovszky (Budapest, Hungary), Orsolya Drozdovszky, Imre Barta, Zsuzsanna Kelemen, Janos Varga, Balazs Antus</td>
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<tr>
<th>PA1060</th>
<th>Sputum induction for assessment of biomarkers in early development of new drugs for respiratory disease in a proof of concept setting</th>
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<tr>
<td>Robert Lins (Antwerp, Belgium), Robert Lins, Haiko Pillu, Lien Gheyle, Annick Van Riel</td>
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<tr>
<th>PA1061</th>
<th>Breathprint of severe allergic asthma with SPM E-G-C-M S Analysis of exhaled air volatile organic compounds (Ege University translational pulmonology research group [EgeTPAG])</th>
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<tr>
<td>Özerem Göksel (Izmir, Turkey), Levent Pelti, Özerem Göksel, Tugberk Nalı Dızas, Ilknur Bagatır, Fısun Peltı, Hasan Ertas, Tuncay Göksel, Burak Ordın, Arfı Güroyı, Durmuş Özdemir, Münevver Erdenç, F. Nil Ertas</td>
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<th>PA1062</th>
<th>Development of a method for quantification of phosphatidylcholine in exhaled breath</th>
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<td>Ann-Charlotte Almstrand (Gothenburg, Sweden), Ann-Charlotte Almstrand, Anita Wallin, Marianne Andersson, Anna-Carin Olin, Ekaterina Mirgorodskaya</td>
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<th>PA1063</th>
<th>Fast track sputum monitoring in severe asthma</th>
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<td>Gael Tavernier (Manchester, United Kingdom), Gael Tavernier, Stephen Fowler, Dorothy Ryan, Robert Niven</td>
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<th>PA1064</th>
<th>Monitoring catalase activity in COPD exacerbations</th>
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<tr>
<td>Balázs Antus (Budapest, Hungary), Balázs Antus, Orsolya Drozdovszky, Imre Barta</td>
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PA1065 Elevated levels of alveolar nitric oxide in patients with inflammatory bowel disease
Adonis Protopapas (Thessaloniki, Greece), Adonis Protopapas, Stergios Vradelis, Theodoros Karampitsakos, Athanasios Chatzimichail, Emmanouil Paraskakis

PA1066 The relationship between exhaled nitric oxide and body mass index in controlled an uncontrolled Tunisian asthmatics
Ferdaous Yangui (Tunis, Tunisia), Ferdaous Yangui, Rimeh Ayari, Mariem Triki, Maher Abouda, Hend Khouani, Mohamed Ridha Charfi

PA1067 Markers of eosinophilic airway inflammation in patients with severe and mild to moderate asthma
Galina Sergeeva (Saint-Petersburg, Russian Federation), Galina Sergeeva, Alexander Emelyanov, Evgenia Leshenkova, Antonina Znakurenko, Svetlana Rebrova, Ludmila Koziyevna, Nana Asatiyan

PA1068 Relation of exhaled breath temperature and systemic markers of inflammation and remodelling in stable bronchial asthma
Anjana Talwar (Noida, India), Bhupendra Singh Yadav, Anjana Talwar, Deabrata Ghosh, Randeep Guleria

PA1069 Exhaled surfactant protein A and albumin in a healthy Swedish population
Ekaterina Mirgorodskaya (Gothenburg, Sweden), Ekaterina Mirgorodskaya, Per Larsson, Hatice Koca, Jeong-Lim Kim, Björn Bake, Evert Ljungström, Anna-Carin Olin

PA1070 Bronchial and alveolar nitric oxide levels in healthy volunteers and patients with severe asthma
Zsófia Lázár (Budapest, Hungary), Zsófia Lázár, Péter Horváth, Rita Puskás, László Kunos, György Losonczy, Gabriella Gálffy, András Bikov

PA1071 Quantitation method for colistimethate sodium in pharmaceutical aerosol samples using high performance liquid chromatography (HPLC)
Adam Metcalf (Chichester, United Kingdom), Adam Metcalf, Lucy Hardaker, Ross Hatley

PA1072 Interleukins in induced sputum and plasma of COPD and asthma patients in indian population: Correlation with respiratory indices and cell counts
Anjali Trivedi (New Delhi, India), Anjali Trivedi, Anjana Talwar, Monica Chandan, Geetanjali Bade, Randeep Guleria, Deabrata Ghosh

PA1073 The levels of exhaled nitric oxide in controlled asthmatic patients with and without rhinitis
Ferdaous Yangui (Tunis, Tunisia), Ferdaous Yangui, Rimeh Ayari, Mariem Triki, Maher Abouda, Hend Khouani, Mohamed Ridha Charfi

PA1074 Effect of tobacco smoke exposure on exhaled nitric oxide levels in Tunisian asthmatics
Ferdaous Yangui (Tunis, Tunisia), Ferdaous Yangui, Rimeh Ayari, Mariem Triki, Maher Abouda, Hend Khouani, Mohamed Ridha Charfi

PA1075 Effects of treatment and withdrawal with inhaled beclomethasone/formoterol on electronic nose and NMR metabolomic breathprints in patients with COPD
Paolo Montuschi (Rome, Italy), Giuseppe Santini, Nadia Mores, Claudio Luchinat, Leonardo Tenori, Alessia Vignoli, Francesco Macagno, Leonello Fuso, Tim Higenbottam, Paolo Montuschi

T-24 Session 188 12:50 - 14:40
Thematic Poster: Laboratory tests and cell biology in allergy and immunology
Chairs: Marek Lommatzsch (Rostock, Germany), Cecilia K Andersson (London, United Kingdom), Apostolos Bossios (Gothenburg, Sweden), Junpei Saito (Fukushima, Japan)

PA1076 Cellular and molecular mechanisms of endothelial dysfunction of ACOS-syndrome
Angelina Kraposhina (Krasnoyarsk, Russian Federation), Angelina Kraposhina, Irina Demko, Svetlana Chubarova, Elena Sobko, Olga Ischenko, Irina Soloveva, Natalia Gordeeva

PA1077 Regulation of GRO production in human bronchial epithelial cells
Toshiya Inui (Tokyo, Japan), Toshiya Inui, Masato Watanabe, Keitaro Nakamoto, Mitsuru Sada, Shingo Tsuji, Aya Hirata, Masuo Nakamura, Yukari Ogawa, Takashi Koide, Saori Takata, Takuma Yokoyama, Daisuke Kurai, Takeshi Saraya, Haruyuki Ishii, Hiroo Wada, Hajime Takizawa

PA1078 Association between Type 2 innate lymphoid cells increasement and allergy in patients with chronic rhinosinusitis and asthma
Xun Meng (Guangzhou, China), Xun Meng, Jinhong Wang, Hanqing Lin, Heng Zhong, Tao Zhang

PA1079 Autoreactivity and inflammatory phenotypes in patients with COPD and bronchial asthma
Anna Konishcheva (Moscow, Russian Federation), Anna Konishcheva, Valentina Gervazieva
Role of the T-cell homing receptor in the immune mechanisms of the allergic march
Laure Castan (Nantes, France), Laure Castan, Marie-Aude Cheminant, Philippe Aubert, Michel Neunlist, Marie Bodinier, Antoine Magnan, Grégory Bouchaud

Increased neutrophil gelatinase-associated lipocalin (NGAL) promotes airway remodeling in chronic obstructive pulmonary disease (COPD)
Xin Yao (Nanjing, Jiangsu, China), Xin Yao, Yujie Wang, Man Jia, Xiaoyi Yan, Weizhen Song, Ian Adcock, Peter Barnes

Mitochondrial fusion in the pathogenesis of severe asthma with fungal sensitization
So Ri Kim (Jeonju, Republic of Korea), So Ri Kim, Yong Chul Lee, Hae Jin Park, Dong Im Kim, Soon Ha Kim

Regulation of inflammatory cytokines in human immunocompetent cells by propranolol in vitro
Fatemeh Hajighasemi (Tehran, Islamic Republic of Iran), Fatemeh Hajighasemi, Abbas Mrshafiey

Relation between concentration of TNF-apha, IL-6, CRP and airway hyperresponsiveness in elderly asthmatics
Karolina Lindner (Wrocław, Poland), Karolina Lindner, Robert Pawłowicz, Zbigniew Machaj, Bernard Panaszek

Induced sputum levels of soluble receptor ST-2 in adult patients suffering from allergic asthma or allergic rhinitis
Alain Van Muylem (BRUXELLES, Belgium), Amaryllis Haccuria, Mirna Verreire, Joanne Rasschaert, Alain Van Muylem, Alain Michils

Basophil activation test for staphylococcus enterotoxins in severe asthmatic patients
Cecilia Calabrese (NAPOLI, NA, Italy), Cecilia Calabrese, Gennaro Mazzarella, Francesco Perna, Sara Carputo, Salvatore Abbadessa, Martina Flora, Rosalba Maffucci

Total IgE thresholds for detection of a positive specific IgE
Thomas Jones (Chichester, United Kingdom), Thomas Jones, Victoria Jeffery, Scott Elliott, Daniel Neville, Ellie Lanning, Thomas Brown, Anoop Chauhan

Serum periostin in healthy controls and patients with asthma and chronic rhinosinusitis; data from the Swedish GA2LEN population study
Anna James (Stockholm, Sweden), Anna James, Christer Janson, Andrei Malinovschi, Kjell Alving, Junya Ono, Shoishiro Ohta, Bertil Forsberg, Kenji Izuhara, Sven-Erik Dahlén

Performance evaluation of a novel point-of-care total IgE assay system in atopic patients
Stefan Sultana (Sittingbourne, United Kingdom), Stefan Sultana, Alexander Karpov, David Singh, Marie Laurencin, George Hawkins, Garry Hassard, Hannah Scholes, Alicja Jankowska, Eva Tur Garcia, Julie Richards, Anne Marie Turner, Paul Monaghan, Julie-Anne Leigh, Stuart Angell, Andrew Rogers

IgE plasma level in asthmatics with nasal polyps is independent of atopy
Jose Antonio Castillo Vizuete (Séville (Barcelona), Spain), Jose Antonio Castillo Vizuete, César Picado, Vicente Plaza, Gustavo Rodrigo, Berta Juliá, Joaquim Mullol

The assessment of asthma with a novel 24-hour cough frequency monitor
Atsuro Fukuhara (Fukushima, Japan), Atsuro Fukuhara, Junpei Saito, Surinder S. Birring, Suguru Sato, Manabu Uematsu, Yasuhito Suzuki, Togawa Ryuichi, Yuki Sato, Kenichi Misa, Takefumi Nikaido, Xintao Wang, Yoshinori Tanino, Mitsuhiro Munakata

IgE cross-reactivity between house dust mite and shrimp
Chen Xi (Guangzhou, China), Chen Xi, Baoqing Sun

Allergen analysis of 2778 patients with allergic diseases in China
Wenting Luo (Guangzhou, China), Wenting Luo, Baoqing Sun, Zehong Wu

Correlation between asthma control and serum levels of IL-33 in atopic asthma
Harun Iskandar (Makassar, Indonesia), Harun Iskandar, Eliana Muis, Hasnavati

LATE-BREAKING ABSTRACT: Lack of association between circulating dipeptidyl peptidase-4 and type 2 biomarkers in asthma; data from U-BIOPRED and BIOAIR cohorts
Anna James (Stockholm, Sweden), Anna James, Johan Kolmert, Richard Knowles, Sven-Erik Dahlén

Thematic Poster: Pharmacological intervention in humans and murine models of asthma
Chairs: Christian Taube (Leiden, Netherlands), Jonas Erjefalt (Lund, Sweden), Johannes Schmid (Risskov, Denmark), Bart Hilvering (Utrecht, Netherlands)

Developing a chronic murine model that better reflects the clinical features of the human asthma
Dong-Chull Choi (Seoul, Republic of Korea), Jin-Young Lee, Jia-Won Paeng, Mi-Jin Jang, Byung-Jae Lee, Dong-Chull Choi
<p>| PA1097 | Preventative administration of IL-27 improves airway inflammation of ovalbumin-induced asthma mice model via both STAT1 and GADD45/MAPK pathways |
| PA1098 | Synergistic suppression of T cell-induced eosinophilia by CTLA4-Ig and glucocorticoid in murine asthma model |
| PA1099 | Effects of PKR inhibitor on poly (I:C)-induced exacerbation of severe asthma |
| PA1100 | Reduction of lung cytokines and luminal inflammatory cells in IL-1β deficient mice |
| PA1101 | Weight gain alters adiponectin receptor 1 expression on lung-resident Foxp3+ Helios+ regulatory T cells: Implications during allergic airway inflammation? |
| PA1102 | The role of IL-17 producing NK cells and other innate immune cells in poly(I:C) triggered exacerbation of experimental asthma |
| PA1103 | The formation and effects of extracellular DNA traps in a murine asthma model |
| PA1104 | Aquaporin-3 potentiates murine asthma through mediating T-cell trafficking and chemokine production |
| PA1105 | Absence of proton sensing OGR1 protects against house dust mite-induced allergic airway inflammation |
| PA1106 | The role of CD39 and CD73 expressed by regulatory T cell in the pathogenesis of asthma in mice |
| PA1107 | Evaluating the effects of inhaled corticosteroid on insulin sensitivity in asthmatic patients |
| PA1108 | Impact of co-administration of fevipiprant (QAW039) and SLCO1B1 genotype on the PK of simvastatin and rosuvastatin |
| PA1109 | Absorption, metabolism and excretion of fevipiprant (QAW039) investigated in vivo and in vitro |
| PA1110 | Blood eosinophil dose response to oral corticosteroids in a population of patients with severe asthma |
| PA1111 | The allergen-specific immunotherapy efficiency in dependent on patient’s parasitic status |
| PA1112 | Antituberculosis fixed multi-dose combination and single drug therapy in active tuberculosis: What is about drug hypersensitivity reactions? |
| PA1113 | Clinical experience with montelukast plus ICS vs. only ICS in non-asthmatic eosinophilic bronchitis (NAEB) in Indian patients |</p>
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<td>PA1114</td>
<td>Domiciliary diurnal variation of fractional exhaled nitric oxide (FeNO) for predicting short-term treatment effect</td>
<td>Manabu Uematsu (Fukushima, Japan), Manabu Uematsu, Junpei Saito, Suguru Saito, Atsuro Fukuhara, Yasuhiro Suzuki, Ryuichi Togawa, Yuki Sato, Kenichi Misa, Takefumi Nikaido, Naoko Fukuhara, Xintao Wang, Yoshinori Tanino, Mitsuru Munakata</td>
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<td>PA1115</td>
<td>4-year trajectory of medication adherence amongst severe asthma patients: Risk factors and impact on asthma control</td>
<td>li leng Tan (Singapore, Singapore), Li leng Tan, Michelle Li Wei Kam, Anthony Chau Ang Yii, Qi Cao, Ming Chai Kong, Mcvin Cheen Hua Heng, Santhi Nallappen, Keng Yong Ong, Therese Sophie Lapperre, Mariko Siyue Koh</td>
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**T-26** Session 190 12:50 - 14:40

**Thematic Poster: Comorbidities and exacerbations in COPD**

**Chairs:** Sundeep Santosh Salvi (PUNE (MAHARASHTRA), India), Marjolein Brusse-Keizer (Enschede, Netherlands), David Mannino (Lexington, United States of America), Deborah Jarvis (London, United Kingdom)

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<td>PA1116</td>
<td>The frequency of COPD exacerbations is related to the comorbidity profile</td>
<td>Emin Hoxha Ekström (Gothenburg, Sweden), Emin Hoxha Ekström, Maria Andersson, Maria Gerhardsson de Verdiar, Jan Hedner, Ann Ekberg Jansson, Max Petzold, Kjell Torén, Mikael Svensson</td>
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<td>PA1117</td>
<td>Relation of American Heart Association’s life’s simple 7 cardiovascular health factors with chronic obstructive pulmonary disease</td>
<td>Hwa Mu Lee (Anaheim, United States of America), Hwa Mu Lee, Angela Lee, Chi Kieu, Nathan Wong</td>
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<td>PA1118</td>
<td>Analysis of the frequency of COPD exacerbations in the ‘real-life’ DACCORD study over a 2 year period</td>
<td>Heinrich Worth (Fürth, Germany), Heinrich Worth, Roland Buhl, Carl-Peter Criee, Peter Kardos, Claudia Mailänder, Nadine Lossi, Claus Vogelmeier</td>
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<td>PA1119</td>
<td>Comorbidity in patients with IHD - the prevalence of COPD</td>
<td>Daria Didenko (Vinnitz, Ukraine), Daria Didenko, Lesya Raspudina, Yuriy Mostovoy, Nataliya Cherepii</td>
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<td>PA1120</td>
<td>Risk of pneumonia in chronic obstructive pulmonary disease patients treated with inhaled corticosteroids. Results from the OUTPUT study</td>
<td>Nera Agabiti (Rome, Italy), Nera Agabiti, Silvia Cascini, Lisa Bauleo, Ursula Kirchmayer, Valeria Belleudi, Mirko Di Martino, Riccardo Pistelli, Giulio Formoso, Danilo Fusco, Marina Davoli</td>
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<td>PA1121</td>
<td>Systematic analysis of self-reported comorbidities in the COSYCONET COPD cohort study by stepwise evaluation of medication</td>
<td>Rudolf A Jörres (Munich, Germany), Tanja Lucke, Ronald Herrera, Margarethe Wacker, Rolf Holle, Frank Biertz, Dennis Nowak, Rudolf Maria Huber, Sandra Söhler, Claus Vogelmeier, Joachimi Ficker, Harald Mückter, Rudolf A. Jörres</td>
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<td>PA1122</td>
<td>Prevalence of common diseases in COPD patients versus lung-healthy control subjects: Results from the German COSYCONET study</td>
<td>Stefan Karrasch (Neuherberg, Germany), Stefan Karrasch, Anne Obst, Sandra Söhler, Barbara Thorand, Cornelia Huth, Karl-Heinz Ladwig, Claudia Flexeder, Margarethe Wacker, Annette Peters, Joachim Heinrich, Ralf Ewert, Dennis Nowak, Rudolf A. Jöres, Claus Vogelmeier, Sven Gläser, Holger Schulz, COSYCONET Study Group</td>
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<td>PA1123</td>
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<td>Evgeni Mekov (Sofia, Bulgaria), Evgeni Mekov, Yalina Slavova, Adelina Tsakova, Marianka Genova, Dimitar Kostadinov, Delcho Minchev, Dora Marinova, Mihael Boyanov</td>
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<td>PA1124</td>
<td>2 years in the life of COPD patients: Evolution of GOLD 2011 classification in the ‘real-life’ DACCORD study</td>
<td>Roland Buhl (Mainz, Germany), Roland Buhl, Carl-Peter Criee, Peter Kardos, Claus Vogelmeier, Claudia Mailänder, Nadine Lossi, Heinrich Worth</td>
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<td>Charlotte Suppli Ulrik (Virum, Denmark), Oliver Tupper, Peter Kjeldgaard, Anders Løkke, Charlotte Suppli Ulrik</td>
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<td>PA1126</td>
<td>Global associations between air pollutants and chronic obstructive pulmonary disease (COPD) exacerbations: A systematic review</td>
<td>Elizabeth Moore (London, United Kingdom), Elizabeth Moore, Lia Chatzidiakou, Moyosore-Oluwa Kuku, Roderic Jones, Liam Smeeth, Sean Bevers, Frank Kelly, Benjamin Barratt, Jennifer Quint</td>
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<td>PA1127</td>
<td>Validation of the COPD control concept: A UK pilot</td>
<td>JUAN JOSE SOLER CATALUNA (, Spain), Shawna Tan, Marc Miravitles, Juan Jose Soler-Cataluna, Bernardino Alcazar, Anjan Nibber, Alison Chisholm, Joan B. Soriano, David Price</td>
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<td>PA1128</td>
<td>Night-time symptoms and sleep disturbances in patients with COPD</td>
<td>Mark Small (Stockport, United Kingdom), Ulf Holmgren, Mark Small, Gina Bergström, Bo Ding</td>
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Prevalence of comorbidities in patients with chronic obstructive pulmonary disease in presence of heart failure
Dulce Gonzalez (Ciudad de Mexico, Mexico), Rafael Hernández-Zenteno, Brenda Santellano-Juárez, Arturo Orea-Tejeda, Dulce Gonzalez, Juan Pineda-Juárez, Rocio Sánchez-Santillán, Viridiana Peláez-Hernández, Alejandro Velázquez-Montero, Carlos Cintora-Martínez, Raúl Herrera-Saucedo, Elisa Pérez-Cabañas, Edna Contreras-Ramírez, Raúl Sansores-Martínez

Co-morbidities and pulmonary arterial hypertension (PAH) in COPD patients
Velin Stratev (Varna, Bulgaria), Velin Stratev, Tanya Dobreva, Valentina Dimitrova, Diana Petkova

Prolonged length of hospital stay associated with the type of heart failure in patients with chronic obstructive pulmonary disease
José Ernesto Juárez León (Mexico City, Mexico), Ernesto Juárez-León, Brenda Santellano-Juárez, Arturo Orea-Tejeda, Dulce Gonzalez, Rocio Sánchez-Santillán, Juan Pineda-Juárez, Viridiana Peláez-Hernández, Carlos Cintora-Martínez, Raúl Herrera-Saucedo, Elisa Pérez-Cabañas, Edna Contreras-Ramírez, Gerardo Leija-Alba, Raúl Sansores-Martínez, Alejandra Velázquez-Montero

COPD exacerbations and predictors in a general population
Maria Erdal (Bergen, Norway), Maria Erdal, Ane Johannessen, Tomas Eagan, Per Bakke, Amund Gulsvik, Rune Grønseth

Cardiovascular risk assessment in COPD patients with severe exacerbation
Evgeni Mekov (Sofia, Bulgaria), Evgeni Mekov, Yanina Slavova, Adelina Tsakova, Marianka Genova, Dimitar Kostadinov, Delcho Minchev, Dora Marinova, Mihail Boyanov

Psychiatric co-morbidity in patients admitted with acute exacerbation of chronic pulmonary disease and its relationship with symptom severity
Claire Blackmore (Kettering, United Kingdom), Claire Blackmore, S.F. Hussain, N.J. Greening, J.E. Williams, T.C. Harvey-Dunstan, E.J. Chaplin, R. Chimera, M.D. Morgan, S.J. Singh, M.C. Steiner

Mortality rates in individuals with asthma, COPD and ACOS in a large population-based cohort: Is gender important?
Camilla Bärnes (Holbæk, Denmark), Camilla Bärnes, Zorana Jovanovic Andersen, Kim Overvad, Anne Tjønneland, Charlotte Suppli Ulrik

Vitamin D and respiratory health in the Busselton healthy ageing study
Siobhain Mulrennan (Perth, WA, Australia), Siobhain Mulrennan, Michael Hunter, Jennie Hui, John Walsh, Mark Divitini, Matthew Knuiman, Kathy Zhu, Brian Cooke, Arthur (Bill) Musk, Alan James

Relationship of airflow limitation severity with work productivity reduction and sick leave in a Japanese working population
Hisamitsu Omori (Kumamoto, Japan), Hisamitsu Omori, Ayumi Onoue, Kenichi Kubota, Yoshio Nonami, Toshinari Hayashi, Tohru Tsuda, Hiromasa Inoue

Exacerbations and hospitalizations due to exacerbations in asthma-COPD overlap syndrome (ACOS) in PUMA study
Maria Montes De Oca (Caracas, Venezuela), Maria Montes De Oca, Maria Victorina Lopez Varela, Maria Eugenia Laucho Contreras, Alejandro Casas, Eduardo Schiavi, Juan Carlos Mora

Elevated blood eosinophil level and costs for adults with persistent asthma
Trung Tran (Gaithersburg, United States of America), Trung Tran, Robert S. Zeiger, Michael Schatz, Qiaowu Li, Wansu Chen, Deepak Khatri, Sarowar Golam, Aniket A. Kawatkar

Association of COPD symptomatic burden with healthcare resource utilization and impairment on work and activity
Uluf Holmgren (Mölndal, Sweden), Ulf Holmgren, Mark Small, Gina Bergström, Bo Ding

The association between COPD treatment adherence and patient outcomes in Europe and the US
Bo Ding (Mölndal, Sweden), Ulf Holmgren, Marco DiBonaventura, Niklas Karlsson, Gina Bergstrom, Bo Ding

Dietary fat in respiratory diseases: A multi-case control study
Lucia Cazzoletti (Verona, Italy), Lucia Cazzoletti, Marcello Ferrari, Roberto Bono, Liliya Chaminata, Isabella Grosso, Pietro Pirina, Francesco Spelta, Maria Elisabetta Zanolin
Fish intake and pulmonary outcomes in COPDGene
Corrine Hanson (Omaha, United States of America), Corrine Hanson, Harlan Sayles, Tara Nordgren, Russell Bowler

Exercise tests and patient-reported outcomes in COPD-patients; a systematic review
Maurice Driessen (Brentford, United Kingdom), Martin Bell, Iain Fotheringham, Yogesh Suresh Punekar, John H. Riley, Sarah Cockle, Maurice Driessen, Sally J. Singh

Physical activity and asthma: A longitudinal Respiratory Health in Northern Europe (RHINE) study
Melissa Russell (Melbourne, Australia), Melissa Russell, Shyamali Dharmage, Francisco Real, Johannaessan Ane, Vivi Schlunssen, Cecile Svanes

Associations of metabolic syndrome with physical activity according to the patterns of spirometry in Korean adults
Tae-Hyung Kim (Guri, Kyunggi, Republic of Korea), Tae-Hyung Kim, Sang-Heon Kim, Jang Won Sohn, Ho Joo Yoon, Dong Won Park, Ji Young Yhi, Ji-Yong Moon

Vitamin E supplement usage and pulmonary outcomes in COPDGene
Corrine Hanson (Omaha, United States of America), Corrine Hanson, Harlan Sayles, Russell Bowler

The economic burden of chronic obstructive pulmonary disease in the region of Pleven, Bulgaria
Nikolay Yanev (Pleven, Bulgaria), Nikolay Yanev, Nikolay Kyuchukov, Ilial Krachunov, Zlatina Ivanova, Pavlina Nikolova, Plamen Pavlov, Elena Borissova, Tsania Popova, Yavor Ivanov

Can disease-specific questionnaires describe the effect of comorbidities on health-related quality of life in patients with COPD? A comparison of disease-specific and generic questionnaires in the COSYCONET cohort
Margarethe E. Wacker (Neuherberg, Germany), Margarethe Wacker, Rudolf A. Jörres, Annika Karch, Sarah Wilke, Joachim Heinrich, Stefan Karrasch, Armin Koch, Holger Schulz, Henrik Watz, Reiner Leidl, Claus Vogelmeier, Rolf Holle

Health care visits among women with chronic obstructive pulmonary disease in the United States
Yewande Odeyemi (Washington, United States of America), Yewande Odeyemi, Alem Mehari

Association between COPD and obesity among adults in Morocco
Abdelilah Benslimane (Fez, Morocco), Abdelilah Benslimane, Adil Najdi, Mohamed El Biaze, Chakib Nejjari, Vanessa Garcia Larsen, Karima El Rhazi

Link between macronutrients intake and COPD in Morocco: A cross sectional survey
Abdelilah Benslimane (Fez, Morocco), Abdelilah Benslimane, Adil Najdi, Mariam Attassi, Mohamed Chakib Benjelloun, Chakib Nejjari, Vanessa Garcia Larsen, Karima El Rhazi

Comparison of physical activity measures assessed by two different accelerometers in COPD patients
Stefan Karrasch (Neuherberg, Germany), Stefan Karrasch, Julia Schäfer, Gabriela Kiehl, Tanja Lucke, Maike Sußmann, Agnes Luzak, Utu Ochmann, Dennis Nowak, Rudolf A. Jörres, Claus Vogelmeier, Henrik Watz, Holger Schulz, COSYCONET Study Group

LATE-BREAKING ABSTRACT: Early Diagnosis of obstructive Lung disease at primary care level. The E-DIAL study
Stefano Nardini (Vittorio Veneto, TV, Italy), Stefano Nardini, Fernando De Benedetto, Giorgio Reggiardo, Valentina Mirisola, Claudio M. Sanguinetti, Isabella Amnesi-Maesano

Psychological, quality of life, and work-limitation outcomes among occupational asthma and work-exacerbated asthma subgroups
Joshua Lipszyc (Thornhill, Canada), Joshua Lipszyc, Frances Silverman, Dorothy Linn Holness, Gary Liss, Kim Lavoie, Susan Tarlo

Impact of work-related respiratory symptoms on quality of life and productivity in British woodworkers
Ruth Wiggans (Manchester, United Kingdom), Ruth Wiggans, Jade Sumner, Ed Robinson, Paul Cullinan

Assessment of asthma in firefighter applicants
Joanna Szram (London, United Kingdom), Joanna Szram, Bernadette Fitzgerald, Susan Schofield, Paul Cullinan

The impact of first occupation on the occurrence and worsening of asthma in young adults
Shlomo Moshe (Holon, Israel), Shlomo Moshe, Yaron Yagev, Ayala Krakov, Oren Zack
The characteristics of work-related asthma in a prospective asthma cohort
Taehoon Lee (Ulsan, Republic of Korea), Taehoon Lee, Chan Sun Park, Byung Ju Kang, Chang Sun Sim, Seung Won Ra, Kwang Won Seo, Yangjin Jegal, Jong Joon Ahn

How occupational asthma is detected among workers participating medical surveillance?
Hille Suojalehto (Helsinki, Finland), Hille Suojalehto, Kirsi Karvala, Irmeli Lindström

Years in farming, inhalation fever (ODTS) and smoking increases the risk for asthma and other respiratory symptoms in farmers
Anna Rask-Andersen (Uppsala, Sweden), Anna Rask-Andersen

Characterization of emphysema in active farmer’s lung disease
Thibaud Soumagne (Besançon, France), Thibaud Soumagne, Marie Laure Chardon, Gael Dournes, Lucie Laurent, Bruno Degano, François Laurent, Jean Charles Dalphin

The utility of airfed RPE in the management of workers with metal-working fluid occupational asthma
Aslıhan Çakalolu Ilgaz (ANKARA, Turkey), Aslıhan Çakaloglu Ilgaz, Vicky Moore, Wendy Robertson, Alastair Robertson, Sherwood Burge

Respiratory symptoms in miners survived from soma mine disaster
Yavuz Havlucu (Manisa, Turkey), Yavuz Havlucu, Fatma Evyapan, Ece Kaya, Peri Arbak, Aysin Sakar Coskun, Arzu Yorgancıoğlu

Severe emphysema in heavily indium-exposed workers: Case reports from a 10-year cohort study
Makiko Nakano (Tokyo, Japan), Makiko Nakano, Kazuyuki Omae, Miyuki Hirata, Akiyo Tanaka

Longitudinal lung function change in asbestos exposed workers in Navarra
Pablo Antonio Sanchez Salcedo (Pamplona, Spain), Pablo Antonio Sanchez Salcedo, Belen Marin Martinez, Dunibel Morillo Vanegas, Tamara Gutierrez Urra, Izaskun Jimenez Setuain, Vega García Lopez, Pilar Cebollero Rivas, Javier Hueto Perez de Heredia

Cross-shift lung function in relation to cotton dust and endotoxin exposure in non-smoking female textile workers: A cross-sectional study
Matt O’Bryan (Brighton, United Kingdom), Matt O’Bryan, Priyamvada Paudyal

The effect of organic dust exposure on change in lung function - A systematic review
Anneli Clea Bolund (Aarhus C, Denmark), Anneli Clea Bolund, Martin R. Miller, Torben Sigsgaard, Vivi Schlünssen

Working in a petroleum refinery predicts lower lung function parameters
Dragan Mijakoski (Skopje, FYROM (Macedonia)), Dragan Mijakoski, Jovanka Karadzinska-Bislimovska, Sasho Stoleski, Jordan Minov

Silica exposure, silicosis, autoimmune diseases, tuberculosis and nontuberculous pulmonary mycobacterial disease
Rafael Futoshi Mizutani (SAO PAULO/SP, Brazil), Rafael Futoshi Mizutani, Elisa Maria Siqueira Lombardi, Ubiratan de Paula Santos, Mário Terra-Filho

Phenotyping occupational asthma due to isocyanates
Paola Mason (Padova, Italy), Paola Mason, Gabriella Guarnieri, Maria Cristina Scarpa, Piero Maestrelli

Occupational groups associated with asthma-related respiratory symptoms in a cross-sectional study from Norway
Martin Veel Svendsen (Skien, Norway), Regine Abrahamsen, Anne Kristin Møller Felt, Martin Veel Svendsen, Kjell Torén, Paul K. Henneberger, Johny Kongerud

Is data quality more important than data quantity in occupational asthma diagnosis from PEF records?
Vicky Moore (Birmingham, United Kingdom), Vicky Moore, Cedd Burge, Alastair Robertson, Sherwood Burge

A new method for performing specific challenge tests to chlorine-releasing agents
Vicky Moore (Birmingham, United Kingdom), Vicky Moore, Sherwood Burge, Edward Parkes, Alastair Robertson, Gareth Walters

Thematic Poster: Public health related concerns and epidemiology of smoking and smoking-related products
Tag(s): Healthy Lungs for Life (HLfL)
Chairs: Sofia Ravara (Covilhã, Portugal), Constantine Vardavas (Heraklion, Greece), Filippos T Filippidis (London, United Kingdom), Linnea Hedman (Luleå, Sweden)
PA1176 Change in primary care physician knowledge regarding smoking cessation after a brief training intervention
Charis Girvalaki (Heraklion, Greece), Charis Girvalaki, Sophia Papadakis, Constantine Vardavas, Andrew Pipe, Christos Lionis

PA1177 Trends in smoking habits in Europe: Are anti-smoking policies overlooking pre-adolescents?
Alessandro Marcon (Verona, Italy), Alessandro Marcon, Giancarlo Pesce, Judith Garcia Aymerich, Shyamali C. Dharmage, Christer Janson, Deborah Jarvis, Melanie Matheson, Cosetta Minelli, Torsten Zuberbier, Simone Accordini

PA1178 Benefit of smoking cessation forum
Thida Win (Stevenage, United Kingdom), Vanessa Ashby, Alison Walsh, Elizabeth Fisher, Thida Win

PA1179 Associated factors for dual user of hookah and cigarette
Ali Abdolahinia (Tehran, Islamic Republic of Iran), Ali Abdolahinia, Zahra Hessami, Habib Emami, Mohammad Reza Masjedi

PA1180 Compliance to smoke-free legislation among Istanbul hospitality premises in 2015
Elif Dagli (Istanbul, Turkey), Pinar Ay, Efza Evrengil, Eda Uslu Tugtepe, Murat Güner, Elif Dagli

PA1181 Clinical and demographical factors influencing smoking cessation rates
Fundan Aksu (ANKARA, Turkey), Bilgen Esmer, Tijen Sengezer, Funda Aksu, Adem Özkara, Kurtulus Aksu

PA1182 Low cigarette smoking prevalence in two resource-limited settings in Peru: Results from a population-based study of tobacco use by self-report and urine cotinine
Brooks Morgan (Raleigh, United States of America), Brooks Morgan, Kathryn M. Leifheit, Karina M. Romero, Robert H. Gilman, Antonio Bernabe-Ortiz, J. Jaime Miranda, John J. Lima, William Checkley

PA1183 Assessment of public awareness on COPD in Singapore in a one-day awareness campaign
Kelly Chng (Singapore, Singapore), Kelly Chng, Debby Lee, Augustine Tee

PA1184 Shadow report on violation of tobacco display and advertisement bans at points of sale 2015
Elif Dagli (Istanbul, Turkey), Efza Evrengil, Murat Güner, Ummuhan Pece, Elif Dagli

PA1185 Implementation of smokefree policies in healthcare institutions: Package approach
Victoria Donitova (Moscow, Russian Federation), Victoria Donitova, Nikolay Antonov, Galina Sakharova

PA1186 Determinants of cigarette smoking consumption among adolescents from Transylvania region, Romania
Andreea Coman (Cluj-Napoca, Romania), Andreea Coman, Doina Todea

PA1187 Romanian experience in running COPD awareness campaigns
Ramona Elena Nedelcu (Bucarest, Romania), Ramona Elena Nedelcu, Florin Dumitru Mihaltan, Amelia Ionescu

PA1188 The sale and distribution of tobacco products in Iran, ten years after FCTC
Ali Abdolahinia (Tehran, Islamic Republic of Iran), Ali Abdolahinia, Alireza Javadi, Zahra Hessami, Alireza Eszlamejidad, Mohammad Reza Masjedi

PA1189 What is known about pictorial health warnings on cigarette packages in Malatya?
Seda Beyhan Sagmen (Istanbul, Turkey), Seda Beyhan Sagmen, Mikail Ozdemir

PA1190 Field survey of secondhand smoke (SHS) exposure from smoking housemates at home among Japanese high school students
Naoto Watanabe (Taito-ku/Tokyo, Japan), Naoto Watanabe, Kazunori Arai, Sohei Makino

PA1191 Analysis of tobacco control in Turkey through political mapping
Elif Dagli (Istanbul, Turkey), Tanzer Gezer, Elif Dagli, Fusun Yildiz, Osman Elbek

PA1193 Knowledge, attitudes and behaviours of health professionals regarding the new tobacco control law in Russia
Marine Gambaryan (Moscow, Russian Federation), Marine Gambaryan, Anna Kalinina

PA1191 Knowledge, attitudes and behaviours of health professionals regarding the new tobacco control law in Russia
Marine Gambaryan (Moscow, Russian Federation), Marine Gambaryan, Anna Kalinina

PA1194 Stigma and sensitization to smoking among health professionals

PA1195 Do general practitioners advise their patients with respiratory illnesses to quit smoking?
Jayachandra Rao Balachandran (KOLLAM (KERALA), India), Jayachandra Rao Balachandran

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Thematic Poster: Role of genetics and exposures in COPD and asthma
Chairs: Judith M. Vonk (Groningen, Netherlands), Erik Melén (Stockholm, Sweden), Morten Dahl (Koege, Denmark), Florence Demenais (Paris, France)
PA1196  AL0X15 gene polymorphisms in Japanese patients with aspirin-exacerbated respiratory disease (AERD)
Ryosuke Souma (Koshigaya City, Saitama, Japan), Ryosuke Souma, Kenya Koyama, Akemi Koyama, Shyuzo Abe, Junichiro Moriya, Kei Sugitake, Takayoshi Fujimatsu, Hajime Arifuku, Kentaro Nakano, Tomoshige Wakayama, Hideyuki Satoh, Hirokuni Hirata, Kumiya Sugiyama, Sugiyama, Yasutugu Fukushima

PA1197  Role of TRPV1 and TRPV2 gene polymorphisms in the development of airway hyperresponsiveness to osmotic stimuli in patients with asthma
Denis Naumov (Blagoveshchensk, Amur Oblast, Russian Federation), Denis Naumov, Juliy Perelman, Anna Prikhodko, Victor Kolosov, Elizaveta Sheludko

PA1198  Replication association study IREB2, CHRNA5, CHRNA3, CHRNA4, FAM13A, HTR4, and HHIP genes polymorphisms with chronic obstructive pulmonary disease in Tatar population from Russia
Guly F. Korytina (Ufa, Russian Federation), Guly F. Korytina, Leysan Z. Akhmadishina, Kristina Y. Knyazeva, Yuliya G. Aznabaeva, Tatyana V. Viktorova, Shamil Z. Zagidullin

PA1199  Systematic dissection of ORMDL3 function in vitro and in vivo
Youming Zhang (London, United Kingdom), Youming Zhang, Charlotte Dean, Stephan Loeser, Lisa Gregory, Clare Lloyd, Miiriam Moffatt, William Cookson

PA1200  Transgenerational epigenetics: Maternal and grandmaternal gestational smoking influences DNA methylation of the AHR gene
Veersh K. Patil (Newport, United Kingdom), Veeresh K. Patil, Nandini Mukherjee, Gabrielle Lockett, Hongmei Zhang, Wilfried Karmaus, John W. Holloway, S. Hasan Arshad

PA1201  Cardio-metabolic disorder in grandparents associated with asthma in offspring: Results from a European 3-generation analysis
Anne-Elie Carsin (Barcelona, Spain), Anne-Elie Carsin, Francisco Real, Xavier Basagana, Simone Accordini, Shyamali Dharmage, Vivi Schlünsen, Bryndis Benediktsdóttir, Benedicte Leynaert, Jordi Sunyer, Julia Dratva, Debbie Jarvis, Cecílie Svanés

PA1202  Association between candidate gene polymorphisms and asthma severity in adults. A Bayesian analysis
Lucia Calciano (Verona, Italy), Lucia Calciano, Laura Portas, Cristina Bombieri, Marcello Ferrari, Giovanni Malerba, John R. Thompson, Simone Accordini

PA1203  Effects of ICS/LABA treatment on bronchial obstruction and genome wide gene-expression in upper airway epithelium in severe COPD
Kai Imkamp (Groningen, Netherlands), Kai Imkamp, Alen Faiz, Erica van der Wiel, Ilse Boudewijn, Gerard Koppelman, Corry-Anke Brandsma, Huib Kerstjens, Wim Timens, Sebastiaan Vroegop, Henk Pasma, Wim Boersma, Pascal Wielders, Frank van den Elshout, Khaled Mansour, Katrina Stelling, Avrum Spira, Marc Lenburg, Irene Heijink, Dirkje Postma, Maarten van den Berge

PA1204  Alpha-1 antitrypsin phenotype determination using sebia isoelectrofocusing on dried blood spot samples
Stefania Ottaviani (Tromello, Italy), Stefania Ottaviani, Valentia Barzon, Laura Divizia, Angelo Guido Corsico, Ilaria Ferrarotti

PA1205  Influence of ADR2 gene polymorphism on the level of bronchial obstruction and body mass index in patients with bronchial asthma
Vladyslava Knyta (Sumy, Ukraine), Vladyslava Knyta, Anna Bondarkova, Lyudmyla Prystupa

PA1206  Variants of apelin gene and COPD
Ender Coskunpinar (Istanbul, Turkey), Ender Coskunpinar, Engin Aynaci, Abdullah Melekoglu, Pinar Yildiz

PA1207  Detection of alpha-1-antitrypsin deficiency in a European country without national registry yet
Leonor da Hora Lopes Meira, Leonor da Hora Lopes Meira, Rita Boaventura, Susana Seixas, Maria Sucena

PA1208  Characterization of microbiome in patients with lung cancer comparing with benign mass-like lesions
Ji Soo Choi (Seoul, Republic of Korea), Ji Soo Choi, Moo Suk Park, Dong Eun Yong, Ji Yeon Sung, Sang Hoon Lee, Eun Hye Lee, Ji Eun Park, Mi Hwa Shin

PA1209  meQTL analysis of asthma GWAS loci and DNA methylation
Ashish Kumar (Stockholm, Sweden), Ashish Kumar, Cilla Söderhäll, Simon Merid, Chengjiang Xu, Olena Gruzieva, Gerard Koppelman, Juha Kere, Göran Pershagen, Erik Melén

PA1210  Interactions of genetic variants and DNA-M of TSLP modify the eczema risk
Rumana Siddique (Germantown, United States of America), Rumana Siddique, Hongmei Zhang, Hasan Arshad, John Holloway, Wilfried Karmaus

PA1211  LATE-BREAKING ABSTRACT: Occupational exposure to pesticides is associated with differential DNA methylation
Diana van der Plaat (Groningen, Netherlands), Diana van der Plaat, Kim de Jong, Judith Vonk, Cleo van Diemen, Ivana Nedeljikovic, Najaf Amin, Hans Kromhout, Roel Vermeulen, Cornelia van Duijn, Dirkje Postma, Marike Boezen

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| PA1212 | **LATE-BREAKING ABSTRACT: NO, and lung function: Mediation by DNA methylation** |
| PA1213 | **LATE-BREAKING ABSTRACT: Inhaled diesel exhaust alters immune response proteins in the bronchial secretome in humans**  
Neeloffer Mookherjee (Winnipeg, Canada), Neeloffer Mookherjee, Peyman Ezzati, Victor Spicer, Christopher Carlsten |
| PA1214 | **LATE-BREAKING ABSTRACT: Effects of rare SERPINA1 variants on emphysema and airtrapping in SPIROMICS**  
| PA1215 | **LATE-BREAKING ABSTRACT: Interaction of 17q21 variants with breastfeeding in relation to respiratory symptoms in infancy**  
Olga Gorlanova (Aesch, Switzerland), Olga Gorlanova, Jakob Usemann, Antoaneta A. Toncheva, Philipp Latzin, Michael Kabesch, Erika von Mutius, Urs Frey |

**Thematic Poster: What's new in paediatric respiratory physiology?**

**Chairs:** Shannon Simpson (Western Australia, Australia), Padmaja Subbarao (Toronto, ON, Canada), Florian Singer (Zurich, Switzerland), Liam Welsh (Melbourne, Australia)

| PA1216 | **The functional capacity of children with post-infectious obliterative bronchiolitis**  
Nuala Harnett (Newcastle upon Tyne, United Kingdom), Nuala Harnett, Ruth Lamb, Matthew Thomas, Samantha Moss |
| PA1217 | **Poor agreement between haemoglobin oxygen saturation measured by pulse oximetry and arterialized earlobe blood gas in ambulatory paediatric sickle cell patients**  
Sean Zheng (London, United Kingdom), Sean Zheng, Gary Ruiz, Fiona Chan, Subarna Chakravorty, Cara Bossley, David Rees, Atul Gupta |
| PA1218 | **Post-operative lung function impairment in infants with congenital diaphragmatic hernia**  
Malin Rohdin (Stockholm, Sweden), Malin Rohdin, Peter Radell, Alejandro Sanchez Crespo, Sten Erik Bergström |
| PA1219 | **Does physical activity affect respiratory muscle strength?**  
Nidhal Talib (LEICESTER, United Kingdom), Nidhal Talib, Erol Gaillard, Maria Viskaduraki, Caroline Beardsmore |
| PA1220 | **Effect of salbutamol on respiratory muscle strength in children with SMA: A pilot study**  
Sonia Khirani (Paris, France), Sonia Khirani, Ivan Sabaj, Alessandro Amaddeo, Jorge Olmo-Arroyo, Stéphane Tirolien, Véronique Coudert, Brigitte Estournet, Brigitte Fauroux, Susana Quijano-Roy |
| PA1221 | **Effect of inspiratory resistive loading on diaphragmatic muscle function of preterm and term infants**  
Sotiriou Fouzas (Patras, Greece), Sotiriou Fouzas, Aggeliki Vervenioti, Gabriel Dimitriou |
| PA1222 | **Applicability of interrupter technique to assess airways resistance in term and preterm infants**  
Désirée Demann (Oftringen, Switzerland), Désirée Demann, Jakob Usemann, Pinelopi Anagnostopoulou, Urs Frey, Philipp Latzin |
| PA1223 | **Ventilatory efficiency in children and adolescents born extremely preterm**  
Julie Hestnes (Bergen, Norway), Julie Hestnes, Hedda Hoel, Ola Rokstad, Bente Frisk, Einar Thorsen, Thomas Halvorsen, Maria Vollseter, Hege Clemm |
| PA1224 | **Oxidative stress in ciliated nasal epithelial cells from patients with primary ciliary dyskinesia**  
ANA REULA (Castellón, Spain), Ana Reula, Amparo Escrivano, Silvia Castillo, Sara Pastor, Silvia Vicente, Armengot Miguel, Francisco Jose Dasi Fernandez, Irene Garcia |
| PA1225 | **Lung clearance index is stable in most primary ciliary dyskinesia (PCD) patients managed in a specialist centre: A pilot study**  
Samantha Irving (London, United Kingdom), Samantha Irving, Siobhan Carr, Claire Hogg, Michael Loebinger, Amelia Shoemark, Andrew Bush |
| PA1226 | **Characteristics of exercise induced bronchoconstriction in asthmatic children according to exhaled nitric oxide**  
Cyril SCHWEITZER (VANDOEUVRE, France), Aurélie Tatopoulos, Claude Bonabel-Chone, Silvia Demoulin-Alexikova, Iulia Ioan, François Machal, Cyril Schweitzer |
| PA1227 | **Monitoring respiratory rate from pulse oximeter plethysmogram analysis in acutely wheezy young children**  
David Wertheim (Kingston-upon-Thames, United Kingdom), David Wertheim, Cathy Olden, Sophie Banks, Rebecca Ramsay, Liz Symes, Catherine Bevan, Paul Seddon |
PA1228  Impaired respiratory mechanics are not associated with an increased risk of perioperative respiratory complications in children
Anoop Ramgolam (Perth, Australia), Anoop Ramgolam, Zoltan Hantos, Guicheng Zhang, Britta Regli Von-Ungern Sternberg, Graham Hall

PA1229  Forced oscillation technique outcomes do not predict higher risk of perioperative respiratory complications in obese children
Anoop Ramgolam (Perth, Australia), Anoop Ramgolam, Zoltan Hantos, Guicheng Zhang, Britta Regli Von-Ungern Sternberg, Graham Hall

PA1230  Calculation of Scond between 0 and 3 lung turn over (Scond*) in mild to moderate chronic lung disease
Sylvia Nyilas (Basel, Switzerland), Sylvia Nyilas, Anja Bigler, Sophie Yammine, Cordula Koerner-Rettberg, Isabelle Rochat, Alexander Moeller, Gaudenz Hafen, Carmen Casaulita, Philipp Latzin, Florian Singer

PA1231  Comparison of functional residual capacity (FRC) from two multiple breath washout (MBW) systems and body plethysmography
Katie Bayfield (London, United Kingdom), Katie Bayfield, Eric Alton, Samantha Irving, Jane Davies

PA1232  Validation of nitrogen washout (N-WO) for measurement of lung clearance index (LCI) and functional residual capacity (FRC) in preschoolers
Emma Raywood (London, United Kingdom), Emma Raywood, Julie Duncan, Laura Viviani, Andy Bush, Paul Aurora

PA1233  Comparison of lung function in Congolese vs African American children
Michele Arigliani (Udine, Italy), Michele Arigliani, Mario C. Canciani, Leon Thsilolo, Robert Kitenge, Tontonp Mfuanani, Paola Cogo, Philip H. Quanjer

PA1234  Concordance between oscillometric and spirometric lung function measures in bronchodilator response test for the detection of airway obstruction
Eun Kyo Ha (Seongnam, Republic of Korea), HyeMi Jee, Eun Kyo Ha, Ho Min Jang, Seung Jin Lee, Youn Ho Shin, Ji Hyeon Baek, Kyung Suk Lee, Young Ho Jung, Man Yong Han

PA1235  LATE-BREAKING ABSTRACT: Polymorphisms of GSTM1 (glutathione S-transferase Mu 1) and GSTT1 (glutathione S-transferase theta-1) genes after prenatal exposure to smoking in infants with a history of high-risk events for life (ALTE)
Luana Nosetti (LUINO, Italy), Luana Nosetti, Maria Cristina Niespolo, Andi Nganso, Laura Filonzi, Francesco Nonnis Marzano

Session 196  12:50 - 14:40

Thematic Poster: Drugs, bugs, BMI, and other problems in paediatric asthma
Chairs: Christiane Lex (Goettingen, Germany), Ines De Mir Messa (Barcelona, Spain), Marc P. C. van der Schee (Amsterdam, Netherlands), Ozge Yilmaz (Manisa, Turkey)

PA1236  Treatment pattern of inhaled corticosteroids in preschool children across Norwegian counties
Ingvild Mikalsen (Stavanger, Norway), Ingvild Mikalsen, Øystein Karlstad, Kari Furu, Knut Øymar

PA1237  A "real life" study on height in prepubertal asthmatic children receiving inhaled steroids
John Tsanakas (Vassiliki-Thessaloniki, Greece), Elpis Hatzigourou, Vasiliki Avraamidou, Maria Papagianni, Maria Karailidou, Dafni Papnikolaou, Despoina Terzi, Fotis Kirvassilis, Ioannis John Tsanakas

PA1238  Real life experience of omalizumab on selected children with severe allergic asthma
Rania Abusamra (London, United Kingdom), Rania Abusamra, Sarah Latham, Shraban Chakraborty, Marc Woodman, Cara Bossley, Gary Ruiz, Atul Gupta

PA1239  Broncho dilator response to salbutamol delivered by metered dose inhaler with spacer versus dry powder inhaler in acute asthma in children
Saifuddin Khaled (DHAKA, Bangladesh), Saifuddin Khaled, Firoza Akter

PA1240  The role of allergen immunotherapy in children with mild to moderate asthma
Djordje Filipovic (Belgrade, Republic of Serbia), Djordje Filipovic, Ivana Djuric-Filipovic

PA1241  Once-daily tiotropium Respimat® add-on therapy improves PEF in participants aged 6-17 years with symptomatic asthma
Eckard Hamelmann (Bielefeld, Germany), Eckard Hamelmann, Christian Vogelberg, Jonathan A. Bernstein, Thomas Harper III, Petra Moroni-Zentgraf, Michael Engel, Georges El Azzi, Helen Finnigan, Stanley J. Szeffer

PA1242  Allergen specific immunotherapy: Effect on immunological markers and clinical outcomes in asthmatic children
Gordana Kostic (Kragujevac, Republic of Serbia), Ivana Filipovic, Zorica Zivkovic, Djordje Filipovic, Gordana Kostic
Efficacy and safety of inhaled corticosteroids in combination with a long-acting beta2-agonist in asthmatic children under age 5
Elpida Hatziagorou (Thessaloniki, Greece), Elpida Hatziagorou, Dafni Papanikolaou, Despoina Terzi, Penelope Anagnostopoulou, Fotios Kirvassilis, John Tsanakas

Effect of vitamin D therapy on the pulmonary functions in pediatric asthma and allergic rhinitis
Keya Rani Lahiri (Mumbai, India), Keya Rani Lahiri, Fehmida Najmuddin, Khushal Avasthi

Bronchodilator responsiveness after ICS treatment
Snezhina Lazova (Sofia, Bulgaria), Snezhina Lazova, Guergana Petrova, Dimitrinka Miteva, Vera Papochieva, Penka Perenovska

Prescription of asthma medications in preschool children across Norwegian counties
Ingvild Mikalsen (Stavanger, Norway), Ingvild Mikalsen, Øystein Karlstad, Kari Furu, Knut Øymar

Allergic bronchopulmonary mycosis due to rhizopus nigricans in two siblings with and without CF?
Stefanie Benzrath (Dortmund, Germany), Stefanie Benzrath, Anne Schlegtendal, Folke Brinkmann, Cordula Koerner-Rettberg

Study of therapeutics effects of montelukast in asthmatic children
Gordana Kostic (Kragujevac, Republic of Serbia), Gordana Kostic, Slavica Markovic, Zoran Igrutinovic, Zorica Raskovic, Jelena Nestorovic, Marina Petrovic, Nevenka Ilic, Vida Pavlovic

Antileukotriens in management of paediatric asthma: The hormon-reducing force
Marina Arama (Chisinau, Republic of Moldova), Marina Arama, Tatiana Gorelco, Tatiama Kuleshina

Duration of inhaled corticosteroid therapy in children with asthma and frequency of community-acquired pneumonia in them
Zoia Nesterenko (Saint-Petersburg, Russian Federation), Zoia Nesterenko

Safety of tiotropium Respimat® add-on therapy in patients aged 6-17 years with symptomatic asthma
Christian Vogelberg (Dresden, Germany), Christian Vogelberg, Stanley J. Szefler, Eckard Hamelmann, Attilio Boner, Petra Moroni-Zentgraf, Michael Engel, Georges El Azzi, Helen Finnigan, Mark Vandewalker

Evaluation of disorders upper airway in children with asthma associated with gastroesophageal reflux disease
Svetlana Sciuca (Chisinau, Republic of Moldova), Ianos Adam, Svetlana Sciuca, Rózica Selevestru

Basic self-reports as an indicator of physical activity
Thomas Westergren (Kristiansand, Norway), Thomas Westergren, Karin C. Lødrup Carlsen, Kai-Håkon Carlsen, Petter Mowinckel, Liv Fegran, Sveinung Berntsen

Sex differences in the prevalence of rhinitis: A systematic review and meta-analysis
Mariona Pinart (Berlin, Germany), Mariona Pinart, Theresa Keller, Andreas Reich, Matthias Fröhlich, Bá尔tica Cabieses, Cynthia Hohmann, Dirkje S. Postma, Jean Bousquet, Josep M. Antó, Thomas Keil

Analysis of the inflammatory profile of children with controlled and uncontrolled severe asthma
Miriam Eller (São Paulo, Brazil), Miriam Eller, Karina Vergani, Beatriz Saraiva-Romanholo, Leila Antonangelo, Thais Mauad, Joaquim Rodrigues

Thematic Poster: Cystic fibrosis: various aspects

Effect of nebulizer system on tobramycin concentration using functional respiratory imaging (FRI)
Cedric Van Holsbeke (Kontich, Belgium), Aukje Bos, Cedric Van Holsbeke, Jan De Backer, Hettie Janssens, Wim Vos, Harm Tiddens

Ivacaftor-as effective in clinical practice?
Ayesha Aziz (Great Yarmouth, United Kingdom), Ayesha Aziz, Julia Borowicz-Klementowicz, Helen Barker, Christopher Johnson, Nadia Shafi, Charles Haworth, Andres Plooto, Uta Hill

Risk of asthma in heterozygous carriers for cystic fibrosis: A meta-analysis
Anne Orholm Nielsen (Køge, Denmark), Anne Orholm Nielsen, Sadaf Qayum, Pierre Nourdine Bouchelouche, Lars Christian Laursen, Ronald Dahl, Morten Dahl

Changes in total IgE levels predict pulmonary outcome in cystic fibrosis related allergic bronchopulmonary aspergillosis
Florian Gothe (Munich, Germany), Florian Gothe, Matthias Kappler, Matthias Griese
National survey of hearing assessment in patients with cystic fibrosis in the UK
Rania Abusamra (London, United Kingdom), Rania Abusamra, Atul Gupta

How useful is the lung ultrasound in cystic fibrosis?
Ioana Ciucu (Timis, Romania), Ioana Ciucu, Liviu Pop, Monica Marc, Cristian Oancea

The burden of sinus disease in CF candidates for lung transplantation
Letizia Corinna Morlacchi (Milan, Italy), Letizia Corinna Morlacchi, Mark Greer, Igor Tudorache, Francesco Blasi, Tobias Welte, Jochen G. Mainz, Jens Gottlieb

Endothelial dysfunction in children and young adults with cystic fibrosis - A combined diagnostic approach of plethysmographic and biochemical markers: New applications
Marcela Kreslova (Plzen, Czech Republic), Marcela Kreslova, Aneta Masopustová, Petr Jehlicka, Michal Huml, Radka Bittenglová, Ladislav Trefil, Josef Sýkora

Respiratory commensal streptococcus spp do not modulate the outcome of pseudomonas aeruginosa infection in vivo
Timothy Kidd (Belfast, United Kingdom), Aduragbemi Faniyi, Alice Dubois, Michael Tunney, Rebecca Ingram, Timothy Kidd

Newborn screening for cystic fibrosis in Spain
Silvia Gartner (Barcelona, Spain), Silvia Gartner, Maria J. Alonso, Joan Figuerola, Josep Sirvent, Pedro Mondejar, Carlos Martín, Valle Velasco, Adelaïda Lamas, Carlos Vazquez, Amparo Escribano, María J. Cabero, Estela Ruiz, Oscar Asemi, Maria Col, Alicia Callejón, Antonio Aguilar, Maribel Barrios, Gloria García, José R. Villa, Isabel Pellecina, Isidoro Cortell

VE/ VCO2 and VO2/ WR exercise testing slopes can reflect HRCT damages in cystic fibrosis youths
John Tsanakas (Vasiliki-Thessaloniki, Greece), Asterios Kampouras, Elpis Hatziagorou, Vasiliki Avramidou, Vasiliki Georgopoulou, Despoina Terzi, Dafni Papanikolaou, Fotis Kirvasilis, Ioannis John Tsanakas

Multi-center validation study on feasibility of multiple-bowel washout technique in infants and toddlers with cystic fibrosis
Mirjam Stahl (Heidelberg, Germany), Mirjam Stahl, Cornelia Joachim, Simon Gräber, Sandra Barth, Isabell Baumann, Gesa Dieckmann, Matthias Kopp, Lutz Nährlich, Marcus Mall

LATE-BREAKING ABSTRACT: Aerobic exercise capacity in cystic fibrosis - Does CFTR genotype matter?
Thomas Radtke (Zürich, Switzerland), Thomas Radtke, Helge Hebestreit, Sabina Gallati, Jane E. Schneiderman, Daniel Stevens, Erik H.J. Hulzebos, Tim Takken, Steven R. Boas, Don S. Urquhart, Larry C. Lands, Sergio Tejero, Aleksandar Sovtic, Felix Ratjen, Susi Kriemler

Thematic Poster: Paediatric respiratory infections

The efficiency of topical antibacterial therapy for bronchitis in children
Natalia Kolosova (Moscow, Russian Federation), Natalia Kolosova, Natalia Geppe, Ivan Dronov, Svetlana Shatalina

New arguments for double action release active drugs in preparation for vaccination against pneumococcus among children with chronic sites of infection in nasopharynx
Vera Vavilova (Kemerovo, Russian Federation), Vera Vavilova, Alexander Vavilov, Asya Cherkaeva, Irina Nechaeva, Alla Evtrenenko

The impact of chlamydial infection on the course of bronchiolitis obliterans in children
Ilgar Mustafayev (Baku, Azerbaijan), Ilgar Mustafayev

Perinatal tuberculosis: A forgotten disease?
Laura Ferreras (London, United Kingdom), Laura Ferreras, Pilar Caro Aguiler, Estela Pérez Ruiz, David Moreno-Pérez, Francisco Javier Pérez-Frias

Clinical peculiarities of mycoplasma infection in children with community pneumonia
Svetlana Sciuca (Chisinau, Republic of Moldova), Liuba Neamtu, Svetlana Sciuca, Rodica Selevestru

Human bocavirus and respiratory tract infection in hospitalized children
Laura Petrarca (ROMA, RM, Italy), Laura Petrarca, Raffaella Nenna, Antonella Frassanito, Alessandra Pierangeli, Giulia Cangiano, Isabella Calichcia, Lelia Lo Russo, Chiara Di Mario, Giulia Faiola, Fabio Midulla

Respiratory viruses and bordetella pertussis co-infections: A frequent occurrence in children hospitalized with bordetella pertussis
Ambra Nicolai (Pomezia, Italy), Ambra Nicolai, Raffaella Nenna, Antonella Frassanito, Alessandra Pierangeli, Federica Mileto, Carolina Scagnolari, Enrica Mancino, Greta Di Mattia, Laura Petrarca, Giulia Cangiano, Fabio Midulla

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**Indoor air pollution and prevalence of pneumonia in highlander’s children in Kyrgyzstan**
Aizhamal Tabyshova (Kara-Balta, Kyrgyzstan), Aizhamal Tabyshova, Meerim Akmatalieva, Maamed Mademilov, Bermet Estebesova, Talant Sooronbaev

**New serum and nasal immunological biomarkers in pediatric infection caused by respiratory syncytial virus**
Erasmo Assumpção Neto (São Bernardo do Campo, Brazil), Erasmo Assumpção Neto, Thomas Stravinskas Durigon, Manoel Carneiro Oliveira-Jr, Alana dos Santos Dias, BreAnne MacKenzie, Fabiane Scandarolli Constancio, Elias El-Mafarjeh, Nicole Cristine Rigonato-Oliveira, Aurélié Aparecida de Brito, Gabriel de Assis Cunha Moraes, Ana Paula Ligeiro de Oliveira, Danielle Bruna Leal de Oliveira, Edson Luiz Durigon, Rodolfo de Paula Vieira

**Comparison of risk factors for childhood pneumonia with RSV versus other viruses**
Joseph L. Mathew (Chandigarh, India), Joseph L. Mathew, Mandeep Chadha, Sunit Singhi

**Molecular epidemiology of the new respiratory viruses in hospitalized children in Tunisia**
Ines BRINI (Sousse, Tunisia), Ines Brini, Naila Hannachi, Aida Guerrero, Jalel Boukadida, Heribert Stoiber

**Necrotizing pneumonia in children: Experience in a pediatric tertiary care hospital**
Tiago Neves Veras (JOINVILLE/SC, Brazil), Tiago Neves Veras, Leticia Janice Bertelli, Natasha Zemczak, Carolina Elisa, Rafaela Louise, Ana Carolina Melo

**Decreasing incidence of parapneumonic pleural effusions (PPE) in children**
Fotios Kirvassilis (Oraiokastro, Greece), Fotios Kirvassilis, Elpis Hatzigorou, Violetta-Magdalini Darda, Kaliopi Kontoulis, Emmanuel Roilidis, John Tsanakas

**Antibiotic-resistant bacteria in respiratory samples of children with severe neurological problems**
Alexander Cleator (Liverpool, United Kingdom), Alexander Cleator, James Cargill, Clare Halpide, Paul McNamara, Leanne Turner, Ian Sinha

**Pulmonary manifestations of Nijmegen breakage syndrome [NBS]**
Hanna Dmenska (Warsaw, Poland), Hanna Dmenska, Beata Wolska-Kusnierz

**High-flow oxygen therapy is more effective and less expensive for bronchiolitis than standard low-flow oxygen therapy: A decision analysis**
Paula Heikkilä (Orivesi, Finland), Paula Heikkilä, Matti Korppi

**The first breath during resuscitation of prematurely born infants**
Anne Greenough (London, United Kingdom), Christopher Harris, Prashanth Bhat, Vadivelam Murthy, Anthony Milner, Anne Greenough

**Tidal volumes and ETCO2: levels during resuscitation and prematurely born infants’ outcomes**
Anne Greenough (London, United Kingdom), Anoop Pahuja, Vadivelam Murthy, Prashanth Bhat, Anthony Milner, Anne Greenough

**Heart rate variability predicts duration of respiratory support in preterm infants**
Kerstin Jost (Basel, Switzerland), Kerstin Jost, Alexandre N. Datta, Urs Frey, Béla Suki, Sven M. Schulzke

**Success in eradication of upper and lower airway pathogens in children with primary ciliary dyskinesia**
Gemma Marsh (Hove, United Kingdom), Gemma Marsh, Andrew Bush, Claire Hogg, Siobhan B. Carr

**Resistance of respiratory isolates of klebsiella pneumoniae from patients in pediatric cardiac surgery department**
Nelya Bissenova (Astana, Kazakhstan), Nelya Bissenova, Aigerim Yergaliyeva

**Thematic Poster: Neonatal and paediatric multiorgan manifestations of acute and chronic pulmonary disease and use of treatments**
*Chairs*:
Robert Ross-Russell (Cambridge, United Kingdom), Hendrik Fischer (Berlin, Germany), Theodore Dassios (London, United Kingdom), Roland Neumann (Basel, Switzerland)

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**Heart rate variability predicts duration of respiratory support in preterm infants**
Kerstin Jost (Basel, Switzerland), Kerstin Jost, Alexandre N. Datta, Urs Frey, Béla Suki, Sven M. Schulzke
Predicting development of bronchopulmonary dysplasia in extremely preterm neonates using flow data from a mechanical ventilator
Mariann Bentsen (Bergen, Norway), Mariann Bentsen, Trond Markestad, Thomas Halvorsen

Neurally adjusted ventilatory assist (NAVA) in very prematurely born infants with evolving BPD
Sandeep Shetty (London, United Kingdom), Sandeep Shetty, Anne Greenough

Nasal high flow reduces minute ventilation in neonates
Pavel Mazmanny (Yerevan, Armenia), Pavel Mazmanny, Mari Darakchyan, Melanie Moylan, Stanislav Tatkov

Survey on the use and weaning of non-invasive ventilation among UK tertiary neonatal units
Sanja Zivanovic (Oxford, United Kingdom), Sanja Zivanovic, Ilia Bresesti, Charles Roehr

Changes in use of heated humidified high flow nasal cannula oxygen (HHFNC)
Sandeep Shetty (London, United Kingdom), Sandeep Shetty, Adesh Sundaresan, Katie Hunt, Prakash Desai, Anne Greenough

Use of heated humidified high flow nasal cannula therapy in a tertiary children’s hospital
Michelle Winter (Bristol, United Kingdom), Michelle Winter, Frances Hutchings, Tom Hilliard, Peter Davis

Weight-based oxygen flow rate is predictive of successful weaning of long-term oxygen therapy in babies with bronchopulmonary dysplasia
Jayesh M. Bhatt (Nottingham, United Kingdom), Katherine Millard, Matthew Hurley, Andrew Prayle, Sarah Spencer, Dushyant Batra, Jayesh M. Bhatt

Home high flow oxygen therapy for chronic lung disease of prematurity
Uros Krivec (Ljubljana, Slovenia), Uros Krivec, Marina Praprotnik, Malena Aldeco, Dusanka Lepej, Ana Kotnik Pirsi, Alesandra Zver, Irena Stucin Gantar

A survey of the investigation and management of gastro-oesophageal reflux disease on neonatal intensive care units in Britain
Thomas Rossor (London, United Kingdom), Gwendolyn Andradi, Thomas Rossor, Ravindra Bhat, Anne Greenough

Potential drug-drug interactions in the pediatric intensive care unit of a pulmonary teaching hospital
Shadi Baniasadi (Tehran, Islamic Republic of Iran), Shadi Baniasadi, Maryam Hassanzad, Maryam Alehashem

Right ventricular function in infants with bronchopulmonary dysplasia: Association with respiratory sequelae
ARVIND SEHGAL (MELBOURNE, Australia), Arvind Sehgal, Andra Malikiwi, Eldho Paul, Kenneth Tan, Samuel Menahem

Lung function measurements in very low birth weight infants after patent ductus arteriosus ligation
Payman Barikbin (BERLIN, Germany), Payman Barikbin, Hannes Sallmon, Silke Wilitzki, Joachim Photiadis, Christoph Bührer, Petra Koehne, Gerd Schmalisch

Severe pneumonia mortality in pediatric patients is associated with downregulation of Toll-like receptors 2 and 4 on monocytes
Kostiantyn Dmytriiev (Vinnitsya, Ukraine), Kostiantyn Dmytriiev, Dmytro Dmytriiev, Kateryna Dmytriieva, Olexandr Katilov, Olexandr Nazarchuk, Yuriy Otkalenko

Association of peripheral eosinophilia with chronic neonatal lung disease in preterm babies
Matthias Horn (Bern, Switzerland), Matthias Horn, Kais Hamza, Elizabeth Skuza, Marcel Nold

Pulmonary interstitial glycogenosis: Diagnosis and follow-up
Deborah Liptzin (Aurora, United States of America), Deborah Liptzin, Christopher Baker, Jeffrey Darst, Jason Weinman, Megan Dishop, Csaba Galambos, Miranda Kroehl, Robin Deterding

Cognitive and motor development in preterm infants with chronic lung disease
Vamekh Kherkheulidze (Tbilisi, Georgia), Vamekh Kherkheulidze, Maia Kherkheulidze, Nani Kavlashvili, Eka Kandelaki

Atopy and pregnancy: Does it have any influence on fetal immune status?
Svetlana Kamenov (Nis, Republic of Serbia), Borislav Kamenov, Svetlana Kamenov, Aleksandar Kamenov, Milan Tosić, Ivana Vidanovic

Thematic Poster: Asthma, bronchiectasis, and the risk factors for respiratory morbidity
Chairs: Franca Rusconi (FIRENZE, Italy), Stephen Turner (Aberdeen, United Kingdom), Myrofora Goutaki (Bern, Switzerland), Bülent Taner Karadag (STANBUL, Turkey)
Both severity and triggers of preschool wheeze increase the risk of asthma at school age
Emma Goksor (Molnlycke, Sweden), Emma Goksör, Bernt Alm, Frida Strömblad-Celind, Per Möllborg, Rolf Pettersson, Laslo Erdes, Nils Aberg, Göran Wennergren

Is catch-up growth in small children associated with earlier growth and risk of asthma?
Vilhelmina Ullemar (Stockholm, Sweden), Vilhelmina Ullemar, Cecilia Lundholm, Päivi Magnusson, Göran Pershagen, Paul Lichtenstein, Catarina Almqvist

Predictors of airway function in a population of First Nations children living in rural Canada
Donna Rennie (Saskatoon, SK, Canada), Donna Rennie, Chandima Karunanayake, Joshua Lawson, James Dosman, Kathleen McMullin, Abonyi Sylvia, Jo-Ann Episkinew, P. Jenny Gardipy, Judith MacDonald, Punam Pathwa

An international comparison of asthma, wheeze, and breathing medication use among children
Joshua Lawson (Saskatoon, Canada), Joshua Lawson, Grzegorz Brozek, Andrei Shpakou, Olga Fedortsiv, Vakhtangi Beridze, Emilia Vlaski, Donna Rennie, Anna Afanasieva, Jan Zajda

The effect of persistence of persistent childhood wheeze through adolescence on lung function at 18-years
Claire Hodgkiss (Chichester, United Kingdom), Claire Hodgkiss, S. Hasan Arshad, Graham Roberts, Susan Grevatt, Ramesh Kurukulaaratchy

Practice of spirometry among physicians caring for children with asthma in Portugal - The EsiroPed survey
Carolina Constant (Lisboa, Portugal), Carolina Constant, Joana Cosme, Ricardo M. Fernandes, Pedro Fonte, João A. Fonseca, Carlos Alves, Teresa Bandeira

The healthy lungs study: Respiratory outcomes after 2 years of intensive primary care for high risk Maori and Pacific infants
Adrian Trenholme (Auckland, New Zealand), Adrian Trenholme, Joanna Stewart, Harley Aish, Karen Hoare, Julie-Ann Higham, Christine McIntosh, Alison Vogel, Shirley Lawrence, Cass Byrnes

A ten year experience of non-cystic fibrosis bronchiectasis from a single center
H.U. Özçelik (ANKARA, Turkey), Ozlem Cimen, Nagehan Emiralioglu, Ayse Mete, Gokcen Dilas Tugcu, Pinar Kahyaoglu, Ebru Yalcin, Deniz Dogru, Nural Kiper, Ugur Ozcelik

Fractional exhaled nitric oxide levels in patients with non-cystic fibrosis bronchiectasis
Nilay Basik iz (Istanbul, Turkey), Nilay Basik izoglu, Taner Adiguzel, Ela Erdem Eralp, Yasar Gokdemir, Fazilet Karakoc, Refika Ersu, Bulent Karadag

Timeline of pulmonary complications after hematopoietic stem cell transplantation in children
JONG-SEO YOON (SEOUL, Republic of Korea), Jong-So Yoon, Hwan Soo Kim, Yoon Hong Chun, Hyun Hee Kim, Jin Tack Kim

Do families follow the advice given to reduce the risk of sudden infant death syndrome (SIDS)?
Frida Strömberg Celind (Ojersjo, Sweden), Frida Strömberg Celind, Per Möllborg, Emma Goksör, Göran Wennergren, Bernt Alm

Does modeled exposure of children to particulate matter air pollution for the school address reflect personal exposure to black carbon?
Abigail Whitehouse (Brockley, United Kingdom), Abigail Whitehouse, Benjamin Barratt, Jonathan Grigg

Respiratory morbidity in extremely premature born children and later physical activity
Merete S. Engeseth (Bergen, Norway), Merete S. Engeseth, Ola D. Rakstad, Maria Vollseter, Thomas Halvorsen, Hege H. Clemm

Impact of preterm birth on respiratory health in early childhood
Nikolay Kyuchukov (Belene, Bulgaria), Mariela Kamburova, Stela Georgieva, Nikolay Kyuchukov

LATE-BREAKING ABSTRACT: Evaluation on RSV disease burden in Japanese children using a nationwide claims database
Shoichiro Goto (Chiyoda-ku, Tokyo, Japan), Shoichiro Goto, Gabriela Ispas

Thematic Poster: Quality and quantity in lung function
Chairs: Julie Lloyd (Birmingham, United Kingdom), Emma Flood (Co Westmeath, Ireland), Aisling McGowan (Dublin 15, Ireland), Maureen P Swanney (Christchurch, New Zealand)

The use of spirometry in paediatric patients undergoing spinal surgery
Fatmata Mahdi (London, United Kingdom), Fatmata Mahdi, Kylie Russo, Aidan Laverty, Jane Kirkby
Forced expiratory manoeuvres provoke nosebleeds and migraines in patients with hereditary haemorrhagic telangiectasia
Claire Shovlin (London, United Kingdom), Hannah Tighe, Heidi Wolfenden, James Springett, Lydia Babawale, Joseph Perks, Trishan Patel, Claire Shovlin

Interpretation of spirometric data of 799 pulmonary male patients by ECCS/ERS and GLI-2012 reference values
Xaver Baur (Berlin, Germany), Xaver Baur, Henning Putzke, Nicola Kotschy-Lang

Mortality and classification of airway obstruction severity by different methods
Matthew Hegewald (Murray, United States of America), Matthew Hegewald, Ollinto Linares-Perdomo, Dave Collingridge, Robert Jensen, John Hankinson, Alan Morris

Comparison between measured lung function in a healthy elderly sample and values from predicted equation for general adults
João Salge (São Paulo, Brazil), Juliana do Nascimento, Mario Terra Filho, Edilene de Moraes, Andre Luiz P. Albuquerque, João Salge

chronic obstructive pulmonary disease (COPD) In primary care: Case-finding or case-forgetting?
Rasheda Choudhury (London, United Kingdom), Rasheda Choudhury, Claire Davey, Jane Simpson

New regression equations for predicting peak expiratory flow in Moroccan adults
Khalid Bouti (Tetouan, Morocco), Khalid Bouti, Ilias Maouni, Sanaa Hammi, Jamal Eddine Bourkadi

Perspective of involving doctors in spirometry training program based on Georfan spirometry school’s experience
Tamar Tsikelashvili (Tbilisi, Georgia), Tamar Tsikelashvili, Maia Makalatia

Fatigue and limitation of daily activities as predictors of health status in COPD patients
Mihailo Stjepanovic (Beograd, Republic of Serbia), Mihailo Stjepanovic, Branislav Gvezdenovic, Jovana Maskovic, Mira Vukovic, Marina Roksandic-Milinkovic, Violeta Vucinic

Influence of reduced airway patency and respiratory muscle strength on autonomic cardiac modulation in COPD patients
Ramona Cabiddu (SAO CARLOS/SP, Brazil), Ramona Cabiddu, Renata Trimer, Adriana Mazzuco, Audrey Borghi e Silva

Effect of 21-days simulated microgravity and lunar gravity on human inspiratory muscle function during exhaustive exercise
Marina Segizbaeva (ST PETERSBURG, Russian Federation), Marina Segizbaeva, Zhanna Donina, Victor Baranov, Vladimir Katunsev, Gennadyi Tarasenkov, Nina Aleksandrova

A comparison of the correlation of health status of the one minute sit-to-stand test (STST) and the six minute walk test (6MWT) in stable COPD
Emma Munro (Stoke-on-Trent, United Kingdom), Emma Munro, Naveed Mustfa, Helen Stone, Ian Cliff

High intensity interval training increases daily life physical activity and quality of life in patients with moderate and severe asthma
Ronaldo Aparecido da Silva (SAO PAULO/SP, Brazil), Ronaldo Aparecido da Silva, Patrícia Gonçalves Leite Rocco, Flávio Mazzucatto, Alberto Cukier, Rafael Stelmach, Milton Arruda Martins, Celso Ricardo Fernandes Carvalho

Validation of indices to assess respiratory muscle effort in ventilated ICU patients
Diana Jansen (Herpen, Netherlands), Suvarna Gadgil, Diana Jansen, Jonne Doorduin, Lisanne Roesthuis, Hans van der Hoeven, Leo Heunks

The utilisation of cardiopulmonary exercise testing (CPET) to assess the length of hospital stay (LOS) after radical cystectomy (RC)
Edward Parkes (BIRMINGHAM, United Kingdom), Edward Parkes, Vicky Moore, Sherwood Burge

Breathing reserve at anaerobic threshold (BRAT) and at maximal exercise (BRmax) and their correlation with pulmonary function in Thai adults
Tichanon Promsrisuk (Khon Kaen, Thailand), Tichanon Promsrisuk, Wilaiwan Khrisanapant, Orapin Pasurivong, Watchara Boonsawat, Boomsawat Patjanasoontorn, Paitoon Benjaponlert

Pulmonary function and respiratory complications in hematopoietic cell transplant
ANDREA CECILIA YORDI LEON (VALENCIA, Spain), Andrea Cecilia Yordi Leon, Belen Safont Muñoz, Santos Ferrer Espinosa, Manuela Marin Gonzalez, Emilio Servera Pieras

Thematic Poster: Postural balance, respiratory muscles, and comorbidities in chronic respiratory disease
### Chairs:
Alda Sofia Pires de Dias Marques (Aveiro, Portugal), Carlos Augusto Camillo (LEUVEN, Belgium), Margareta Emtner (Uppsala, Sweden), Rafael Mesquita (Maastricht, Netherlands)

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<td>Annemarie Lee (Toronto, ON, Canada), Annemarie Lee, Karl Zabjek, Roger Goldstein, Dina Brooks</td>
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<td><strong>Fear of falling, balance and associated disease-related factors in patients with chronic obstructive pulmonary disease: A cross-sectional study</strong></td>
<td>Beyza Nur Karaduz (Ankara, Turkey), Yasemin Çirak, Gül Deniz Yilmaz Yelvar, Yasemin Parlak Demir, Büşra Baytok, Beyza Nur Karaduz</td>
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<td>Veronica Barbier (Leuven, Belgium), Veronica Barbier, Charususin Noppawan, Matthias Loeckx, Carlos A. Camillo, Iris Coosemans, Ilse Muylæert, Fernanda Rodrigues, Heleen Demeyer, Wim Janssens, Thierry Troosters</td>
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<td>Melda Saglam (ANKARA, Turkey), Melike Sen özipek, Hulya Arikan, Ebru Calik Kutukcu, Melda Saglam, Naciye Vardar-Yaglı, Deniz Inal-Ince, Cemile Bozdemir-Ozal, Asilhan Cakmak, Hazal Sonbahar-Ulu, Ayse Livanelioglu, Nagehan Emiralioglu, Ugur Ozcelik</td>
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<td>Kate ina Neumannová (Olomouc, Czech Republic), Katerina Neumannová, Zdenek Svoboda, Jana Hodonska, Vladimir Koblízek, Vratislav Sedlák, Jaromír Zatkalouk, Marek Plutinsky, Miroslav Janura</td>
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<td>PA1349</td>
<td><strong>Pulmonary hyperinflation and postural balance in COPD patients</strong></td>
<td>Ana Carolina Alves Caporali Pereira (Mogi das Cruzes, Brazil), Ana Carolina Alves Caporali Pereira, Rafaela Fagundes Xavier, Cristiano Carneiro Oliveira, Aline Costa Lopes, Cibele Cristina Berto Marques da Silva, Ross Clark, Rafael Stelmach, Linda Denehy, Celso Ricardo Fernandes de Carvalho</td>
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<td>Buse Ozcan Kahraman ( ZM R, Turkey), Ismail Ozsoy, Sema Savci, Buse Ozcan Kahraman, Serap Acar</td>
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<td><strong>New evaluation of gait symmetry/asymmetry in COPD patients using an accelerometer</strong></td>
<td>Yoshino Terui (Daisennsi, Japan), Yoshino Terui, Masahiro Iwakura, Eriko Sudo, Atsuyoshi Kawagoshi, Kazuki Ookura, Mizuki Satou, Kohichi Hasegawa, Masahiro Satake, Takanobu Shioya</td>
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<td>PA1353</td>
<td><strong>An exploration of pain experiences and their meaning in people with chronic obstructive pulmonary disease (COPD)</strong></td>
<td>Annemarie Lee (Toronto, ON, Canada), Annemarie Lee, Samantha Harrison, Roger Goldstein, Dina Brooks</td>
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<td>PA1354</td>
<td><strong>Falls and re-hospitalization in COPD patients after hospital discharge: A 6 month follow up</strong></td>
<td>Patricia Lavoura (São Paulo, Brazil), Patricia Lavoura, Debra Meira, Deise Silva, José Curiati, Arnaldo Lichtenstein, Celso Carvalho, Clarice Tanaka</td>
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<td>Ana Carolina Alves Caporali Pereira (Mogi das Cruzes, Brazil), Ana Carolina Alves Caporali Pereira, Catarina Costa Boffino, Rafaela Fagundes Xavier, Daniel Boari Coelho, Aline Costa Lopes, Cibele Cristina Berto Marques da Silva, Wellington Pereira dos Santos Yamaguti, Elaine Paulin, Regina Maria de Carvalho Pinto, Celso Ricardo Fernandes de Carvalho</td>
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<td><strong>Comparison of comorbidities between two different subgroups in combined assessment of COPD</strong></td>
<td>Buse Ozcan Kahraman ( ZM R, Turkey), Ismail Ozsoy, Buse Ozcan Kahraman, Serap Acar, Sevgi Ozalevli, Atila Akkoçlu, Sema Savci</td>
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Ana Lista Paz (A Coruña, Spain), Ana Lista Paz, María Luz González Doniz, Raquel Sebio García, Serafín Ortigueira García

The impact of presence of trigger point in respiratory muscles on respiratory function and respiratory muscle strength
Rüstem Mustafaoglu (Istanbul, Turkey), Ebru Kaya Mutlu, Tansu Birinci, Rüstem Mustafaoglu, Arzu Razak Ozdincler

Overweight and obesity influence on respiratory muscle strength
Fernanda Figueiroa Sanchez (Oberusel, Germany), Fernanda Figueiroa Sanchez, Cassio Daniel Araujo Silva, Maria Clara Pereira de Souza Maciel, Elisa Brosina de Leon, Roberta Lins Gonçalvez

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Rodrigo Jaenisch (Sao Carlos, Brazil), Rodrigo Jaenisch, Edson Quagliotto, Chalyne Chechi, Leonardo Calegari, Fernando dos Santos, Audrey Borghi-Silva, Pedro Dal Lago

Resistive inspiratory manoeuvre as airway clearance technique in stable patients with cystic fibrosis: A randomised crossover trial
Beatriz HERRERO CORTINA (Zaragoza, Spain), Beatriz Herrero Cortina, Marta San Miguel Pagola, Angeles Fernandez Cadenas, Antonio Tomás Ríos Cortés, Tamara Del Corral, Maria del Mar Sanchez Palenzuela, Carlos Gomez Chinesta, Jordi Vilaró

Comparison of diaphragmatic motion measured by M-mode sonography between different classes of obesity
Renata Basso-Vanelli (Sao Carlos, Brazil), Renata Basso-Vanelli, Audrey Borghi-Silva, Paula A. Ricci, Natalia R. Faria, Kelly Zambrano, Livia P. Carvalho, Luciana Di Thommazo-Luporini, Luiz A. Menegazzo, Claudio R. Oliveira, Dirceu Costa

Short-term effect of autogenic drainage on ventilation inhomogeneity in adults with stable non-cystic fibrosis bronchiectasis
William Poncin (Court-Saint-Etienne, Belgium), William Poncin, Candice Nader, Noémie Leeuwerck, Grégory Reyychler, Giuseppe Liistro, Sophie Gohy

Inspiratory muscle activity and breathing pattern during different intensity inspiratory muscle training
Tsuyoshi Ichikawa (Oiso, Nakagun, Kanagawa, Japan), Tsuyoshi Ichikawa, Masanori Yokoba, Masahiko Kimura, Shinichiro Ryuge, Ken Katono, Yuko Mitsui, Noriyuki Masuda, Paul A. Easton, Masato Katagiri

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Maria Kouloupoulou (LONDON, United Kingdom), Maria Kouloupoulou, Felix Chua, Eirini Koutoumanou, Srividya Narayan, Dimitra Nikoletou

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Patients' perspective of physiotherapy, speech and language therapy intervention (PSALTi) for refractory chronic cough: Secondary analysis
Sarah Chamberlain Mitchell (Kelee, United Kingdom), Sarah Chamberlain Mitchell, Rachel Garrod, Lynne Clarke, Abdel Douiri, Sean Parker, Jenny Ellis, Stephen Fowler, Siobhan Ludlow, James Hull, Kian Fan Chung, Anand Pandyan, Cath Bücher, Surinder Birring

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Ryo Takimoto (kanagawa, Japan), Ryo Takimoto, Masahiko Kimura, Masanori Yokoba, Tsuyoshi Ichikawa, Atsuhiro Matsunaga

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Renata Basso-Vanelli (São Carlos, Brazil), Renata Basso-Vanelli, Camila Pantoni, Audrey Borghi-Silva, Ivana Labadessa, Eloisa Regueiro, Valeria Di Lorenzo, Mauricio Jamami, Dirceu Costa
PA1374 Reliability of three respiratory muscle tests in post-stroke patients. A pilot study
Agnieszka Lewko (London, United Kingdom), Agnieszka Lewko, Marta Sidawy, Maciej Krawczyk

PA1375 Breathing pattern changes in refractory chronic cough with physiotherapy speech and language therapy intervention
Sarah Chamberlain Mitchell (Keele, United Kingdom), Sarah Chamberlain Mitchell, Rachel Garrod, Lynne Clarke, Abdel Douiri, James Hull, Kian Fan Chung, Anand Pandyan, Surinder Birring

PA1376 Relationship between respiratory functions and upper extremity functions in patients with neuromuscular diseases
Ertugrul SAFRAN (Istanbul, Turkey), Ertugrul Safran, Aysel Yildiz

PA1377 Sleep quality in adolescents with substance use disorders
Rüstem Mustafaoglu (Istanbul, Turkey), Rüstem Mustafaoglu, Ebru Kaya Mutlu, Özhan Yalçın, Caner Mutlu, Rengin Demir, Arzu Çiftçi Demirci, Arzu Razak Özdoğan

PA1378 Reference values for maximal respiratory pressures in healthy sedentary and active individuals 20-80 years of the city of Manaus
Fernanda Figueiroa Sanchez (Oberusel, Germany), Fernanda Figueiroa Sanchez, Maria Clara De Souza Gama P Maciel, Maria Cecília Borges, Roberta Lins, Elisa De Leon, Cassio Daniel Silva

PA1379 An observational study of physiotherapy for children with asthma
Claire Hepworth (Liverpool, United Kingdom), Claire Hepworth, Ian Sinha

PA1380 Respiratory function and motor performance in children with cerebral palsy
Oyenike Ayo-Ogunseye (Ibadan, Nigeria), Oyenike Ayo-Ogunseye, Taihatu Hamzat

PA1381 Effect of the substance abuse on respiratory muscle strength in youths
Rüstem Mustafaoglu (Istanbul, Turkey), Rüstem Mustafaoglu, Ebru Kaya Mutlu, Özhan Yalçın, Arzu Çiftçi Demirci, Caner Mutlu, Arzu Razak Özdoğan

PA1382 Translation, validity and reliability of the Leicester cough questionnaire into Swedish in COPD
Pernilla Sönnerfors (Stockholm, Sweden), Pernilla Sönnerfors, Gun Faager, Ulrika Einarsson

PA1383 Acute and chronic effects of mechanical insufflation-exsufflation in patients with neuromuscular disease
Cemile Bozdemir Ozel (Eskisehir, Turkey), Cemile Bozdemir Ozel, Aslıhan Cakmak, Hazal Sonbahar-Ulu, Numan Bultu, Melda Saglam, Deniz İnal-Ince, Naciye Vardar-Yaglı, Ebru Calik-Kutukcu, Hulya Arik, Oznur Tunca, Ayse Karaduman

Session 204 12:50 - 14:40
Thematic Poster: The wide spectrum of respiratory nursing research and practice: across all ages and diseases
Chairs: Saskia W. M. Weldam (Utrecht, Netherlands), Wendy Preston (Warwickshire, United Kingdom), Dorthe Sorensen (Randers NØ, Denmark), Janelle Yorke (Manchester, United Kingdom)

PA1384 Exploring the need for the development of a recreational day room for inpatients with respiratory and tuberculosis conditions
Lorraine Dolan (Dublin, Ireland), Lorraine Dolan, Maria Kane, Fiona Timmins, Geraldine Prizeman, Orla Dempsey

PA1385 The 6-minute walk test to assess exercise capacity of patients with chronic obstructive pulmonary disease
Liang-Hui Huang (Taipei, Taiwan), Liang-Hui Huang, Yu-Ju Chen

PA1386 Pulmonary and systemic manifestations in asymptomatic smokers
Ilda De Godoy (Botucatu, Brazil), Ilda De Godoy, Thyego M.M. Santos, Suzana Erico Tanni Minamoto, João Paulo Castro Marcondes, Thais Garcia, Irma Godoy

PA1387 Perceives and experiences of participating in a combined biofeedback with pulmonary rehabilitative exercise training program for patients with chronic obstructive pulmonary disease
Yu-Ju Chen (Taipei, Taiwan), Yu-Ju Chen, Shing-Shan Guo

PA1388 Does stress affect the planning of future activities in patients with COPD?
Aleksandra Trupkovic (Duga Resa, Croatia), Aleksandra Trupkovic

PA1389 Planting the seed: introducing advance care planning information sessions into a pulmonary rehabilitation programme- A collaborative project
Bettina Korn (Dublin 8, Ireland), Bettina Korn, Roisin Kennedy, Maria Scanlan, Rory O’Donnell

PA1390 Coping with COPD in patients home
Helle Marie Christensen (Tommerup st., Denmark), Helle Marie Christensen

PA1391 Systematic review of measurement properties of self-care instruments in people with COPD
Marco Clari (Turin, Italy), Marco Clari, Dhurata Ivziku, Maria Matarese
**The Wessex Asthma Cohort (WATCH) difficult asthma study; integrating research into the clinic**
Yvette Thirlwall (Southampton, United Kingdom), Yvette Thirlwall, Fernando Gonzalez, Clair Barber, Kerry Gove, Kamran Tariq, Paddy Dennison, Ramesh Kurukulaarachchi

**Atomization inhalation on the NO content in the airway of patients with bronchial asthma**
Jiahuan Meng (ChangChun, China), Jiahuan Meng, Hongjing Lin, Xueli Zhang

**The self-care experiences of people with chronic obstructive pulmonary disease**
Marco Clari (Turin, Italy), Marco Clari, Dhurata Ivziku, Maria Matarese

**Component of nursing documentation for monitoring patients suffering from lung cancer**
Sandra Karabatic (Zagreb, Croatia), Sandra Karabatic, Sanja Pleština, Tanja Zovko, Andreja Šajnic

**Safety of research bronchoscopy in asthma and COPD**
Patrick Mallia (London, United Kingdom), Patrick Mallia, Maria-Belen Trujillo-Torralbo, Jhaideep Dhariwal, David Jackson, Simon Message, Joseph Footitt, Sebastian Johnston

**Audit of an inpatient home oxygen referral system**
Vida Kidger (Coventry, United Kingdom), Vida Kidger, Catherine Gilsenan, Rhea Fielding, Joanna Shakespeare

**The role of respiratory nurses to prevent silicosis among patients exposed to free silica at workplace: A systematic review**
Silvia Arranz Alonso (Madrid, Spain), Silvia Arranz Alonso

**Characteristics of activity of daily living in chronic obstructive pulmonary disease**
fateme monjazebi (Tehran, Islamic Republic of Iran), Fateme Monjazebi, Asghar Dalvandi, Abbas Ebadi, Hamid Reza Khanke, Mahdi Rahgozar Mahdi Rahgozar, Jörg Richter, Majid M. Malek Mohammad

**Evaluating a family rearing children with chronic asthma on the asthma-related quality of life and lung function**
Li-Chi Chiang (Taipei, Taiwan), L.I.-Chi Chiang, Pei-Wen Ho

**Effect of initial application of PAP therapy on daily arterial partial pressure of oxygen in OSA patients**
Andreja Sajnic (Zagreb, Croatia), Andreja Sajnic

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**Assembly members' meeting: Assembly 10 Respiratory Infections**
Incl. Groups 10.1 Respiratory infections and 10.2 Tuberculosis

**Chairs**:
Stefano Aliberti (Milano, MI, Italy), Giovanni Sotgiu (Porto Torres, Italy)

**Lunchtime session: Climate change and respiratory health**
**New perspectives**

**Aims**:
Allergic asthma is a heterogeneous disease that is strongly influenced by environmental factors. Many of these factors are shaped in different ways and to varying degrees by meteorological events and climate change across the world. This session will focus on how weather and climate conditions produce their varied pathological effects on respiratory health. How global climate change will influence environmental exposures in the future will also be discussed.

**Track(s)**: Epidemiology / Environment

**Tag(s)**: Healthy Lungs for Life (HLfL)

**Target audience**:
Clinician, Occupational therapist, Epidemiologist, Allergologist, Patient, Researcher, Scientist

**Chairs**:
Stephen T. Holgate (Southampton, United Kingdom), Giovanni Viegi (Pisa, PI, Italy)

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**Climate change, air pollution and allergic respiratory diseases**
Gennaro D'Amato (NAPOLI, NA, Italy)

**Infectious diseases**
Isabella Annesi Maesano (Paris, France)

**Biodiversity and its impact on health**
Tari Haahhta (Helsinki, Finland)

**Occupational diseases**
Lorenzo Cecchi (Florence, Italy)
### Room L  
#### Session 207  
#### 13:00 - 14:30

**Lunchtime session: AJRCCM Blue Journal in 2016: a joint ERS lunchtime session**

**Aims:** To provide deeper insights into medical publishing and to provide advice on the submission processes and how to get a paper published.

**Chairs:** Meilan Han (Ann Arbor, United States of America), Wisia Wedzicha (London, United Kingdom), Peter M. A. Calverley (Liverpool, United Kingdom)

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<td><strong>Highlights in critical care in AJRCCM</strong></td>
<td>Laurent Brochard (Toronto, Canada)</td>
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<td>13:22</td>
<td><strong>Moving forward with asthma in AJRCCM</strong></td>
<td>Fernando D. Martinez (Tucson, United States of America)</td>
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<td>13:44</td>
<td><strong>Advances in COPD and ILD AJRCCM</strong></td>
<td>Meilan Han (Ann Arbor, United States of America)</td>
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<td>14:06</td>
<td><strong>AJRCCM: towards our centenary</strong></td>
<td>Wisia Wedzicha (London, United Kingdom)</td>
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### Room A  
#### Session 208  
#### 13:00 - 14:30

**Lunchtime session: Vitamin D and asthma prevention, COPD screening, and bronchoscopic lung volume reduction in emphysema**

A joint ERS-JAMA lunchtime session

**Aims:** The evidence that suggests high-dose prenatal vitamin D supplementation can prevent childhood asthma will be described. Whether this evidence supports population screening or targeted case-finding to identify patients with unrecognised COPD will be explored. The benefits and risks of bronchoscopic lung volume reduction interventions for patients with advanced emphysema will be discussed.

**Tag(s):** Clinical  
**Target audience:** Clinician  
**Chairs:** Guy Brusselle (Ghent, Belgium), George O'Connor (Boston, United States of America)

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<td><strong>Can high-dose prenatal vitamin D supplementation prevent childhood asthma?</strong></td>
<td>Hans Bisgaard (Copenhagen, Denmark)</td>
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<tr>
<td>13:30</td>
<td><strong>Screening and case-finding to detect unrecognised COPD cases</strong></td>
<td>Fernando J. Martinez (New York, United States of America)</td>
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<tr>
<td>14:00</td>
<td><strong>Bronchoscopic lung volume reduction interventions for severe emphysema</strong></td>
<td>Frank Sciurba (Pittsburgh, United States of America)</td>
</tr>
</tbody>
</table>

### Room B  
#### Session 209  
#### 13:00 - 14:30

**Championship: 2016 Respiratory Championship**  
**Become a champion in respiratory medicine**

**Aims:** Watch the four teams compete in this state-of-the-art review of the major fields of respiratory medicine and give it a try yourself by answering the questions with your mobile devices.

**Tag(s):** Clinical  
**Target audience:** Junior member, Pulmonologist, Trainee, Respiratory physician  
**Chairs:** Konrad E. Bloch (Zürich, Switzerland), Thomas Brack (Glarus, Switzerland)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>14:14</td>
<td><strong>Forced Brexit Capacity &gt; 50%</strong></td>
<td>Richard Lee (London, United Kingdom), Alexander Hicks (Romsey, United Kingdom), Laura-Jane Smith (London, United Kingdom)</td>
</tr>
<tr>
<td></td>
<td><strong>Breathcatchers</strong></td>
<td>Zsófia Lázár (Budapest, Hungary), Zoltán Lohinai (Budapest, Hungary), Zsófia Laura Török (Pécs, Hungary)</td>
</tr>
<tr>
<td></td>
<td><strong>Rising stars</strong></td>
<td>Züleyha Kaya Bingöl (Istanbul, Turkey), Sermin Börekçi (Istanbul, Turkey), Sinem Iliaz (Istanbul, Turkey)</td>
</tr>
<tr>
<td></td>
<td><strong>IT’S inspired</strong></td>
<td>Robert Smyth (Dublin, Ireland), Breda Cushen (Dublin, Ireland), Mohammed Jamal Eldeen Salih Ahmed (Galway, Ireland)</td>
</tr>
</tbody>
</table>
Assembly members' meeting: Assembly 4 Clinical physiology, sleep and pulmonary circulation
Incl. Groups 4.1 Clinical respiratory physiology, exercise and functional imaging, 4.2 Sleep and control of breathing and 4.3 Pulmonary circulation and pulmonary vascular disease
Chairs: Maria Bonsignore (Palermo, Italy), Andrea Aliverti (Milan, Italy)

Assembly members' meeting: Assembly 11 Thoracic oncology
Incl. Groups 11.1 Lung cancer and 11.2 Pleural and mediastinal malignancies
Chairs: Nicolas Schönfeld (Berlin, Germany), Bogdan Dragos Grigoriu (Iasi, Romania)

Assembly members' meeting: Assembly 8 Thoracic surgery and transplantation
Incl. Groups 8.1 Thoracic surgery and 8.2 Transplantation
Chairs: Dragan R. Subotic (Belgrade, Republic of Serbia), Geert Verleden (Leuven, Belgium)

Assembly members' meeting: Assembly 2 Respiratory intensive care
Incl. Groups 2.1 Acute critical care and 2.2 Non-invasive ventilatory support
Chairs: Paolo Navalesi (Vercelli, Italy), Stylianos Orfanos (Athens, Greece)

Grand round: GR2 Radiology
an interactive session
Aims: To promote a multidisciplinary approach for the diagnosis and treatment of lung disease. At the end of this session, participants will be able to give the best diagnostic strategy based on the clinical examination and radiological findings in different situations. ERS has organised this session in conjunction with ESR/ESTI.
Tag(s): Clinical
Chairs: Dominique Valeyre (Paris, France), Venerino Poletti (Forlì, Italy)

Time as the fourth dimension of radiology: a patient with diffuse lung disease (interstitial lung disease)
Sara Piciucchi (Forlì, Italy)

Nodular lung disease
Cornelia Schaefer-Prokop (Amersfoort, Netherlands)

A patient with dyspnoea
Heinrike Wilkens (Homburg/Saar, Germany)

Pneumonia and fever: pulmonary infection
Claus Peter Heussel (Heidelberg, Germany)

Hot topics: Is sleep apnoea causing cancer?
the evidence, limitations, and clinical perspectives
Aims: The aim of this hot topic session is to update the audience in terms of our current knowledge regarding the potential relationship between sleep apnoea and cancer. Recent data from animal models of both intermittent hypoxia and sleep fragmentation suggest that these characteristics of obstructive sleep apnoea enhance tumour growth and metastasis. Recent studies in general populations and in patients with suspected sleep apnoea also suggest there is an association between cancer incidence/mortality and sleep apnoea, although some studies did not observe a positive relationship. The current evidence regarding this novel and emergent topic has some limitations: data from animal models cannot be directly translated to humans and observational studies only provide indirect evidence. This hot topic session will present the current available evidence and will focus on its limitations. Areas that require further research, and their potential clinical implications, will be described.
**Track(s)**: Sleep, Oncology

**Tag(s)**: Translational

**Target audience**: Clinician, Nurse, Physiologist, Pulmonologist, Researcher, Resident, Respiratory physician, Scientist, Sleep specialist/technologist, Trainee

**Chairs**: Renata L. Riha (Edinburgh, United Kingdom), Maria Bonsignore (Palermo, Italy)

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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker Details</th>
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<tbody>
<tr>
<td>14:45</td>
<td><strong>Clinical data</strong></td>
<td>Miguel Ángel Martínez García (Valencia, Spain)</td>
</tr>
<tr>
<td>15:15</td>
<td><strong>Animal studies</strong></td>
<td>Ramón Farré Ventura (BARCELONA, Spain)</td>
</tr>
<tr>
<td>15:45</td>
<td><strong>Continuous versus intermittent hypoxia mechanisms in cancer</strong></td>
<td>Silke Ryan (Dublin 14, Ireland)</td>
</tr>
<tr>
<td>16:15</td>
<td><strong>Limitations of the current data and clinical perspectives</strong></td>
<td>Patrick Levy (Grenoble, France)</td>
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**Prince Regent Room**

**Session 236** 14:45 - 16:45

**Hot topics: Traffic air pollution in urban areas a continued cause for concern**

**Aims**: The symposium aims to highlight the latest concerns regarding the increasing impact of urban traffic-derived air pollution, notably particulate matter and diesel exhaust particles (DEP), on human respiratory and cardiovascular health. By the end of the session, delegates will be aware of the issues that relate to the impact of the source, size fraction, and components of particulate matter on their bioreactivity and effect on pulmonary and cardiovascular health; how the addition of commercial nanoceria can modulate diesel exhaust particle physicochemistry and bioreactivity; the mechanisms by which inhaled particulate matter might induce adverse respiratory and cardiovascular effects; novel data regarding the impact of gasoline-derived particles on normal and diseased human respiratory epithelium; and novel insights into the role of DEP activation of transient receptor potential (TRP) ion channels in sensory nerve activation and cough.

**Track(s)**: Epidemiology / Environment

**Tag(s)**: Translational, Healthy Lungs for Life (HLfL)

**Target audience**: Allergologist, Allied health professional, Cardiologist, Clinician, Educationalist, Epidemiologist, Fellow, General practitioner, Immunologist, Junior member, Microbiologist, Nurse, Occupational therapist, Paediatrician, Pathologist, Patient, Physiologist, Public health official, Pulmonologist, Researcher, Respiratory physician, Scientist, Student, Trainee

**Chairs**: Terry Tetley (London, United Kingdom), Agnes Boots (Maastricht, Netherlands)

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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker Details</th>
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<tbody>
<tr>
<td>14:45</td>
<td><strong>Adverse effects of traffic-derived airborne particulate matter: recent health-related and scientific evidence</strong></td>
<td>Flemming Cassee (Utrecht, Netherlands)</td>
</tr>
<tr>
<td>15:15</td>
<td><strong>Respiratory effects of diesel exhaust particles: real-life exposure studies and the moderating effect of adding ceria in vitro</strong></td>
<td>Junfeng Zhang (Durham, United States of America)</td>
</tr>
<tr>
<td>15:45</td>
<td><strong>Bioreactivity and fate of nanoparticles deposited at the pulmonary epithelial interface: focus on traffic-derived particulate matter</strong></td>
<td>Marianne Geiser (Bern, Switzerland)</td>
</tr>
<tr>
<td>16:15</td>
<td><strong>Novel mechanism of diesel exhaust particle-induced cough: specific activation of transient receptor potential (TRP) channels in vagal sensory afferent nerves</strong></td>
<td>Maria Gabriela Belvisi (London, United Kingdom)</td>
</tr>
</tbody>
</table>

**Room L**

**Session 237** 14:45 - 16:45

**Symposium: Childhood asthma causation**

**Is it the air they breathe or the food they eat?**

**Aims**: The aims of this session are to provide up-to-date state-of-the-art summaries of the evidence linking ambient air exposure and dietary exposures to childhood asthma; some of the underlying mechanisms will also be reviewed. The evidence linking accelerated growth and childhood obesity to childhood asthma will be summarised, and an overview of developmental programming will be provided. Finally, how environmental factors could influence the development of asthma via epigenetic mechanisms will be described.

**Track(s)**: Epidemiology / Environment, Paediatric

**Tag(s)**: Translational, Healthy Lungs for Life (HLfL)

**Target audience**: Allergologist, Epidemiologist, General practitioner, Paediatrician, Researcher

**Chairs**: Stephen Turner (Aberdeen, United Kingdom), Franca Rusconi (FIRENZE, Italy)
<table>
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<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>14:45</td>
<td>Ambient air exposures and childhood asthma causation</td>
<td>Olena Gruzieva (Stockholm, Sweden)</td>
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<tr>
<td>15:15</td>
<td>Early dietary encounters and childhood asthma</td>
<td>Graham Devereux (Aberdeen, United Kingdom)</td>
</tr>
<tr>
<td>15:45</td>
<td>Early childhood weight gain: feeding later asthma symptoms?</td>
<td>Liesbeth Duijts (Rotterdam, Netherlands)</td>
</tr>
<tr>
<td>16:15</td>
<td>How could environmental exposures influence asthma risk: epigenetics?</td>
<td>John Holloway (Southampton, United Kingdom)</td>
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**Room A**  
**Session 238**  
**14:45 - 16:45**  
**Symposium: New tools for the early diagnosis of acute respiratory distress syndrome**  
**Aims:** The attendees will become aware of how acute respiratory distress syndrome (ARDS) is defined, the pulmonary and systemic biomarkers of ARDS, and how to detect and prevent early ARDS.  
**Track(s):** Intensive care  
**Tag(s):** Clinical  
**Target audience:** Clinician, Intensivist/critical care physician, Researcher  
**Chairs:** Tobias Welte (Hannover, Germany), Theodoros Vassilakopoulos (Kantza, Greece)

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<tr>
<th>Time</th>
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<th>Speaker</th>
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<tbody>
<tr>
<td>14:45</td>
<td>Can we predict ARDS?</td>
<td>Paolo Pelosi (Milano, MI, Italy)</td>
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<tr>
<td>15:15</td>
<td>Molecular diagnosis</td>
<td>Carolyn Callfie (San Francisco, United States of America)</td>
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<tr>
<td>15:45</td>
<td>Exhaled air analysis</td>
<td>Lieuwe Bos (Amsterdam, Netherlands)</td>
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<tr>
<td>16:15</td>
<td>Diagnosing pulmonary oedema and permeability</td>
<td>Antonio Artigas (Sabadell, Spain)</td>
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**Room B**  
**Session 239**  
**14:45 - 16:45**  
**Symposium: Implementation of collaborative lung function testing**  
**Aims:** The aim of this session is to describe a novel collaborative approach to lung function testing in which respiratory specialists provide remote support to community healthcare providers. This approach will improve the efficiency and cost-effectiveness of healthcare, especially in situations where there are epidemics of chronic diseases. The usefulness of this approach with forced spirometry will be described because it is the first diagnostic procedure to be deployed in the field with this approach. However, this approach is also likely to be useful in different geographical areas and with other specialised diagnostic techniques.  
**Track(s):** Epidemiology / Environment, Physiology  
**Tag(s):** Clinical  
**Target audience:** Allied health professional, Clinician, Epidemiologist, General practitioner, Lung function technician, Nurse, Paediatrician, Physiologist, Pulmonologist, Researcher, Respiratory physician, Scientist, Trainee  
**Chairs:** Irene Steenbruggen (Zwolle, Netherlands), Karin Lisspers (Gagnef, Sweden)

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>14:45</td>
<td>ERS Spirometry Driving Licence: spirometry training and the benefits of quality measurements</td>
<td>Brendan Cooper (Birmingham, United Kingdom)</td>
</tr>
<tr>
<td>15:15</td>
<td>Regional deployment of collaborative lung function testing: is the Catalan experience transferable to other settings?</td>
<td>Felip Burgos (Barcelona, Spain)</td>
</tr>
<tr>
<td>15:45</td>
<td>Interoperability in healthcare: benefits and challenges</td>
<td>Rachelle Kaye (Bet Shemesh, Israel)</td>
</tr>
<tr>
<td>16:15</td>
<td>Impact in a health care system of a global access to quality spirometry</td>
<td>Jørgen Vestbo (Manchester, United Kingdom)</td>
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**Platinum Room 1+2**  
**Session 240**  
**14:45 - 16:45**  
**Symposium: Complications and comorbidities in idiopathic pulmonary fibrosis**
**Aims:** Idiopathic pulmonary fibrosis (IPF) is a progressive disease of unknown etiology that associates with high mortality. The treatment options are limited. The two most common comorbidities that associate with IPF are emphysema and pulmonary hypertension (PH). Both worsen the prognosis of IPF. The prevalence of combined pulmonary fibrosis and emphysema (CPFE) may be as high as 35% (Cottin 2013). PH in IPF has not been extensively studied but its reported incidence ranges from 32% to 84% (Lettieri et al., 2006 and Nadrous et al., 2005). These comorbidities in IPF are a major challenge for both physicians and scientists. The treatment options are limited, largely because of the lack of understanding of the underlying pathophysiology. Moreover, clinical guidelines that recommend how to treat these comorbidities in IPF are lacking. A session where the perspectives of scientists and physicians on comorbidities in IPF can be discussed has not been organized previously. We hope that the present session will further our understanding of the pathogenetic pathways that underlie the deleterious effects of comorbidities in IPF and will help to optimize the management of patients with IPF and comorbidities.

**Tag(s):** Translational

**Target audience:** Clinician, Fellow, General practitioner, Junior member, Occupational therapist, Patient, Pulmonologist, Researcher, Resident, Respiratory physician, Scientist, Trainee

**Chairs:** Christian M. Kähler (Wangen im Allgäu, Germany), Athol Wells (London, United Kingdom)

**Platinum Room 3+4 Session 241 14:45 - 16:45**

**Oral Presentation: Molecular pathways of smoking-induced diseases**

**Chairs:** Ian M. Adcock (London, United Kingdom), Hiroo Wada (Tokyo, Japan)

**OA1479**

**Late-breaking abstract: Activity limitation and exacerbations in smokers with emphysema on CT but preserved pulmonary function. SPIROMICS**

Christian Lo Cascio (New York, United States of America), Christian Lo Cascio, Eugene Bleecker, Stephanie Christenson, David Couper, Jeffrey Curtis, Nadia Hansel, Eric Hoffman, David Hoff, Stephen Kaner, Eric Kleerup, Stephen Lazarus, Fernando Martinez, Robert Paine, Stephen Rennard, Russ Bowler, Jerry Krishnan, Mark Dransfield, Alejandro Comellas, Donald Tashkin, MeiLin Han, Prescott Woodruff, R. Graham Barr

**OA1480**

**Reduced phagocytic capacity of blood monocyte/macrophages in tuberculosis patients is further reduced by smoking**

Esmaeil Mortaz (Utrecht, Netherlands), Mahshid Aryanpur, Esmaeil Mortaz, Mohammad Reza Masjedi, Seyed Mohammad Reza Aryan, Payam Tabarsi, Johan Gassen, Ian M. Adcock

**OA1481**

**Cigarette smoking in patients newly-diagnosed with pulmonary tuberculosis**

Mahshid Aryanpur (Tehran, Islamic Republic of Iran), Mahshid Aryanpur, Mohammad Reza Masjedi, Esmaeil Mortaz, Zahra Hessami, Mohammad Reza Aryan, Gholamreza Heydari, Mostafa Hossei, Hooman Sharifi, Masoud Baikpour, Payam Tabarsi

**OA1482**

**Relationship between cigarette (nicotine) addiction and dopamine receptor D2 gene variants (TaqIA and -141C Ins/Del)**

Mehmet Atilla Uysal (ISTANBUL, Turkey), Ulgen Sever, Mehmet Atilla Uysal, Yedikule Smoking Cessation Study Group, Sadrettin Pencce

**OA1483**

**The neurogenic inflammation markers in rat's brain in experimental smoking**

Vera Nezvorova (Vladivostok, Primorsky Krai, Russian Federation), Vera Nezvorova, Natalia Zakharchuk, Elena Gonchar

**OA1484**

**The impact of acute smoke exposure on selected biomarkers in exhaled breath condensate in COPD patients and healthy smokers**

Marta Maskey-Warzechowska (Warsaw, Poland), Marta Maskey-Warzechowska, Patrycja Nejman-Gryz, Katarzyna Osinka, Paulina Lis, Kamila Malewa, Katarzyna Gorskka, Rafał Krenke

**OA1485**

**Analysis of CY P2A6 and CY P2A13 genes using new generation sequencing method in smokers and non-smokers.**

Mehmet Atilla Uysal (ISTANBUL, Turkey), Sacide Pehlivan, Mehmet Atilla Uysal, Tulin Çagatay, Cigdem Keklik Cinar, Feyza Erkan, Ulgen Sever, Zuleyha Bingol, Mustafa Pehlivan, Yedikule Smoking Cessation Study Group, Sadrettin Pencce

**OA1486**

**The dopamine receptor D4 VNTR 488bp gene variant in nicotine addiction**

Mehmet Atilla Uysal (ISTANBUL, Turkey), Mehmet Atilla Uysal, Ulgen Sever, Smoking Cessation Study Group, Sadcice Pehlivan
**Room C  Session 242  14:45 - 16:45**

**Oral Presentation: Cystic fibrosis: monitoring and management**

**Chairs:** Ian Balfour-Lynn (London, United Kingdom), Jürg Barben (St. Gallen, Switzerland)

**OA1487**  
**LATE-BREAKING ABSTRACT: Inspiratory capacity in cystic fibrosis - A silent predictor of lung deterioration**
Daphna Vilozni (JERUSALEM, Israel), Daphna Vilozni, Adi Dagan, Moran Lavie, Itai Sarouk, Bat-El Bar-Aluma, Moshe Ashkenazi, Sarina Levy, Ori Efrati

**OA1488**  
**Annual change of LCI among patients with cystic fibrosis**
John Tsanakas (Vassilikia-Thessaloniki, Greece), Vasiliki Avramidou, Elpis Hatzagiourou, Despoina Terzi, Dafni Papanikolaou, Lemonia Nouria, Fotis Kirvassilis, John Tsanakas

**OA1489**  
**Lung clearance index in young children with atypical CF**
Sonia Volpi (VERONA, VR, Italy), Elisa Andreatta, Sonia Volpi, Luigi Lubrano, Carlo Castellani, Laura Menin, Corrado Vassanelli, Ciro d’Orazio

**OA1490**  
**Tracking pulmonary exacerbations in preschool children using the lung clearance index**
Sanja Stanojevic (Toronto, Canada), Sanja Stanojevic, Renee Jensen, Hailey Webster, Mica Kane, Maria Ester Pizarro, Stephanie Davis, George Retsch-Bogart, Padmaja Subbarao, Felix Ratjen

**OA1491**  
**Early detection of pulmonary exacerbations in children with cystic fibrosis by electronic home monitoring of symptoms and lung function**
Edward Dompeling (Maastricht, Netherlands), Edward Dompeling, Marieke van Horck, Bjorn Winkens, Rijn Jobsis, Geertjan Wesseling

**OA1492**  
**Oxygen-enhanced MR (OE-MR): Correlation to CT Brody score in cystic fibrosis patients**
Katharina Martini (Zurich, Switzerland), Katharina Martini, Christian Benden, Geoff Parker, Stephan Baumüller, Jose Ulloa, Alex Morgan, Thomas Frauenfelder

**OA1493**  
**Interim results for INSPIRE-CF: A 24-month RCT evaluating effects of weekly supervised exercise in children with CF**
Sean Ledger (London, United Kingdom), Sean Ledger, Angie Wade, Helen Douglas, Laura Sarria, Paul Rayner, Allan Goldman, Alessandro Giardini, S. Ammani Prasad, Paul Aurora, Eleanor Main

**OA1494**  
**Surfactant dysfunction in cystic fibrosis: Mechanisms and reversal with a cyclodextrin drug**
Francis H Y Green (Calgary, Canada), Francis H.Y. Green, Mustafa Mustafa Al-Saiedy, Lasantha Gunasekara, Candice Bjornson, Ailin Yang, Andrea Chiu, Mark Montgomery, John Dennis, Matthias Amrein

**Room G  Session 243  14:45 - 16:45**

**Oral Presentation: Paediatric bronchology I**

**Chairs:** Petr Pohunek (Praha 5, Czech Republic), Kostas Priftis (Haidari, Athens, Greece)

**OA1495**  
**Paediatric flexible and rigid bronchoscopy in European centres - State of the art**
Yin Yu (Duesseldorf, Germany), Dirk Schramm, Yin Yu, Deborah Sniijders, Kostas Priftis, Petr Pohunek

**OA1496**  
**Early pulmonary phenotype in Hermansky-Pudlak syndrome: Analysis of the chILD-EU registry**
Meike Hengst (Munich, Germany), Meike Hengst, Poornima Mahavadi, Lutz Nachrlich, Joerg Grosse-Onnebrink, Suzanne Terheggen-Lagro, Andreas Günther, Matthias Griese

**OA1497**  
**Permanent bronchial stents in left mainsteam bronchus: closed follow up and low–risk interventions to manage potential fatal complications**
paola serio (Florence, Italy), Paola Serio, Raffaella Nenna, Marco Di Maurizio, Roberto Leone, Bruno Murzi, Antonella Frassanito, Roberto Baggi, Lorenzo Mirabile, Fabio Midulla

**OA1498**  
**How much protracted is protracted bacterial bronchitis (PBB)?**
Vasilis Grammeniatis (Athens, Greece), Vasilis Grammeniatis, Marios Papadopoulos, Barbara Boutopoulou, Iordanis Papadopoulos, Efthymia Alexopoulou, Kostas Priftis, Konstantinos Douros

**OA1499**  
**Twenty years of research into bronchopulmonary dysplasia**
Ilgur Mustafayev (Baku, Azerbaijan), Liudmila Zhelenina, Alevtina Bogdanova, Svetlana Starevskaya, Ildar Mustafaev, Jurjiy Gorelik, Mariya Kuropatenko

**OA1500**  
**Neurocognitive disorders and sleep in primary ciliary dyskinesia children**
Tu ba T manlar (Ankara, Turkey), Tugba Sismanlar, Ayse Tana Aslan, Alper Ceylan, Azime Sebnem Soysal Acar, Isil Irem Budakoglu, Tansu Ulukavak Çiftçi, Oguz Korkutürk

**Room D  Session 244  14:45 - 16:45**

**Oral Presentation: Highlights in the management of COPD and beyond**

**OA1500**  
**Neurocognitive disorders and sleep in primary ciliary dyskinesia children**
Tu ba T manlar (Ankara, Turkey), Tugba Sismanlar, Ayse Tana Aslan, Alper Ceylan, Azime Sebnem Soysal Acar, Isil Irem Budakoglu, Tansu Ulukavak Çiftçi, Oguz Korkutürk

**OA1500**  
**Twenty years of research into bronchopulmonary dysplasia**
Ilgur Mustafayev (Baku, Azerbaijan), Liudmila Zhelenina, Alevtina Bogdanova, Svetlana Starevskaya, Ildar Mustafaev, Jurjiy Gorelik, Mariya Kuropatenko

**OA1500**  
**How much protracted is protracted bacterial bronchitis (PBB)?**
Vasilis Grammeniatis (Athens, Greece), Vasilis Grammeniatis, Marios Papadopoulos, Barbara Boutopoulou, Iordanis Papadopoulos, Efthymia Alexopoulou, Kostas Priftis, Konstantinos Douros

**OA1500**  
**Permanent bronchial stents in left mainsteam bronchus: closed follow up and low–risk interventions to manage potential fatal complications**
paola serio (Florence, Italy), Paola Serio, Raffaella Nenna, Marco Di Maurizio, Roberto Leone, Bruno Murzi, Antonella Frassanito, Roberto Baggi, Lorenzo Mirabile, Fabio Midulla

**OA1500**  
**Paediatric flexible and rigid bronchoscopy in European centres - State of the art**
Yin Yu (Duesseldorf, Germany), Dirk Schramm, Yin Yu, Deborah Sniijders, Kostas Priftis, Petr Pohunek

**OA1500**  
**Early pulmonary phenotype in Hermansky-Pudlak syndrome: Analysis of the chILD-EU registry**
Meike Hengst (Munich, Germany), Meike Hengst, Poornima Mahavadi, Lutz Nachrlich, Joerg Grosse-Onnebrink, Suzanne Terheggen-Lagro, Andreas Günther, Matthias Griese

**OA1500**  
**How much protracted is protracted bacterial bronchitis (PBB)?**
Vasilis Grammeniatis (Athens, Greece), Vasilis Grammeniatis, Marios Papadopoulos, Barbara Boutopoulou, Iordanis Papadopoulos, Efthymia Alexopoulou, Kostas Priftis, Konstantinos Douros

**OA1500**  
**Twenty years of research into bronchopulmonary dysplasia**
Ilgur Mustafayev (Baku, Azerbaijan), Liudmila Zhelenina, Alevtina Bogdanova, Svetlana Starevskaya, Ildar Mustafaev, Jurjiy Gorelik, Mariya Kuropatenko

**OA1500**  
**Neurocognitive disorders and sleep in primary ciliary dyskinesia children**
Tu ba T manlar (Ankara, Turkey), Tugba Sismanlar, Ayse Tana Aslan, Alper Ceylan, Azime Sebnem Soysal Acar, Isil Irem Budakoglu, Tansu Ulukavak Çiftçi, Oguz Korkutürk
### Session 245

**Room M**

**Chairs:** Valeriu Crudu (Chisinau, Republic of Moldova), Simon Tiberi (London, United Kingdom)

**0A1509** Visual detection of mycobacterium tuberculosis by loop-mediated isothermal amplification

Ehsan Aryan ( Mashhad, Islamic Republic of Iran), Ehsan Aryan, Alireza Neshani, Hamid Sadeghian, Hadi Safdari

**0A1510** Availability of PCR for second-line drugs in Europe

Graham H. Bothamley (London, United Kingdom), Christoph Lange

**0A1511** Predictive factors for a positive BAL Xpert MTB/RIF in BAL AFB smear negative PTB patients who are sputum scarce or AFB smear negative

Yingjuan Mok (Singapore, Singapore), Yingjuan Mok, Hang Siang Wong, Carmen Kam, Thean Yen Tan, Tunn Ren Tay, Pei Yee Tiew, Chuin Siau

**0A1512** The role of Tbc-PCR by EBUS-TBNA samples in the diagnosis of tuberculous intrathoracic lymphadenopathy

Young Min Lee (Busan, Republic of Korea), Young Min Lee

**0A1513** Rapid monitoring of tuberculosis treatment response: A multi-centre study

Wilber Sabiiti Sabiiti (St Andrews, United Kingdom), Wilber Sabiiti Sabiiti, Ruth Bowness Bowness, Stephen H. Gillespie Gillespie, Panbiome Consortium

**0A1514** The pharmacogenomics in the personalization of isoniazid treatment of patients with tuberculosis

Maria Celeste da Silva Alcobia (Coimbra, Portugal), Maria Celeste da Silva Alcobia, Luis Nogueira, Miguel Villar, Carlos Robalo Cordeiro, Carlos Fontes Ribeiro, Fernando Regateiro, Henriqueta Coimbra Silva
### Room P  Session 246  14:45 - 16:45

**Oral Presentation: Best abstracts on the role of exercise and physical activity in chronic respiratory disease**

**Chairs:** Daniel Langer (Leuven, Belgium), Fabio Pitta (LONDORINA/PR, Brazil)

<table>
<thead>
<tr>
<th>Abstract ID</th>
<th>Title</th>
<th>Authors</th>
</tr>
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<tbody>
<tr>
<td>OA1515</td>
<td>Delayed sputum smear conversion due to cigarette smoking in active pulmonary tuberculosis</td>
<td>Islam Mejri Ep Ajili (Hammamlif Ben Arous, Tunisia), Islam Mejri Ep Ajili, Soumaya Ben Saad, Achref Ben Tkhayet, Hafaoua Daghfous, Fatma Tritar</td>
</tr>
<tr>
<td>OA1517</td>
<td>Effects of a training program including downhill walking in COPD: A randomized controlled trial</td>
<td>Carlos Augusto Camillo (LEUVEN, Belgium), Carlos Augusto Camillo, Christian Osadnik, Matthias Loeckx, Fernanda M.M. Rodrigues, Miek Hornikx, Heleen Demeyer, Stephanie Everaerts, Karen Maes, Chris Burtin, Wim Janssens, Thierry Troosters</td>
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<td>Inspiratory muscle training in addition to physical exercise for idiopathic pulmonary fibrosis</td>
<td>Maria Nykvist (Stockholm, Sweden), Maria Nykvist, Magnus Sköld, Giovanni Ferrara, Gun Faager</td>
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<td>Inspiratory muscle training for patients with chronic obstructive pulmonary disease (IMTCO study): A multicentre randomised controlled trial</td>
<td>Noppawan Charususin (LEUVEN, Belgium), Noppawan Charususin, Rik Gosselink, Marc Decramer, Alison McConnell, Didier Saey, Francois Maltais, Eric Derom, Stefanie Vermeersch, Yvonne Heijdra, Linda Garms, Rainer Gloeckl, Klaus Kenn, Daniel Langer</td>
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<td>OA1520</td>
<td>Improvement in obstructive sleep apneaa syndrome after a tailored behavioural medicine intervention targeting healthy eating and physical activity</td>
<td>Helena Igelström (Uppsala, Sweden), Helena Igelström, Margareta Emtner, Pernilla Åsenlöf, Eva Lindberg</td>
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<td>Implementation of the physical activity guidelines in lung cancer: The CAPACITY study</td>
<td>Catherine Granger (Parkville, VIC, Australia), Catherine Granger, Louis Irving, Phillip Antippa, Lara Edbrooke, Selina Parry, Kuan-Yin Lin, Alexandra Eriksen, Joel Martin, Daniel Steinfort, Linda Denehy</td>
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<td>OA1522</td>
<td>The importance of being physically active on functional decline in patients with COPD</td>
<td>Heleen Demeyer (Barcelona, Spain), Heleen Demeyer, David Donaire-Gonzalez, Ignasi Serra Pons, Josep M. Anto, Judith Garcia-Aymerich, PAC-COPD Study Group</td>
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<td>OA1523</td>
<td>How much time spent per day in sedentary behavior increases mortality risk in patients with COPD?</td>
<td>Karina Couto Furlanetto (LONDORINA/PR, Brazil), Karina Couto Furlanetto, Leila Donária, Lorena Paltanin Schneider, José Roberto Lopes, Marcos Ribeiro, Karen Barros Parron Fernandes, Carlos Augusto Camillo, Nidia Aparecida Hernandez, Fabio Pitta</td>
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### Room K  Session 247  14:45 - 16:45

**Oral Presentation: Late-breaking translational research in lung cancer**

**Chairs:** Joanna Domaga | a-Kulawik (Warsaw, Poland), David Chi-Leung Lam (Hong Kong SAR, Hong Kong)

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<td>Malamati Vreka (Munich, Germany), Malamati Vreka, Ioannis Lilis, Maria Papageorgopoulou, Magda Spella, Antonia Marazioti, Anastasios D. Giannou, Theodora Agalioti, Georgios T. Stathopoulos</td>
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<td>OA1525</td>
<td>Tumor cell-derived osteopontin promotes lung metastasis via both cell-autonomous and paracrine pathways</td>
<td>Ioanna Giopanou (Rio, Patras, Greece), Ioanna Giopanou, Vasileios Papaleonidopoulos, Ioannis Lilis, Nikolaos Kanellakis, Theodora Agalioti, Georgios Stathopoulos</td>
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<td>Effect of 17-oxo-DHA alone and in combination with gemcitabine on lung cancer cell growth</td>
<td>Liboria Siena (Palermo, Italy), Liboria Siena, Mark Gjomarkaj, Maria Ferrarao, Andreina Bruno, Chiara Cipollina, Serena Di Vincenzo, Elisabetta Pace</td>
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<td>OA1527</td>
<td>Encapsulation of vinorelbine in polymeric nanoparticles improves efficacy in cancer cells and reduces inflammation in non-cancer cells</td>
<td>Alexander Cryer (LONDON, United Kingdom), Alexander Cryer, Pakatip Ruenraroengsak, Teresa Tetley, Andrew Thorley</td>
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James D. Chalmers (Perth, United Kingdom), Anthony De Soyza, Melissa J. McDonnell, John Davidson, Pieter C. Goeminne, Adam T. Hill, Eva Polverino, Stefano Aliberti, James D. Chalmers, On Behalf of EMBARC

Objective videomicroscopy parameters correlate ciliary beating to ultrastructure in primary ciliary dyskinesia
Sylvain Blanchon (Toulouse, France), Sylvain Blanchon, Marie Legendre, Mathieu Bottier, Aline Tamalet, Guy Montantin, Nathalie Collot, Sylvie Tessier, Estelle Escudier, Jean-François Papon, Bruno Louis

Characteristics of adults with primary ciliary dyskinesia in a bronchiectasis referral clinic
Michal Shteinberg (Haifa, Israel), Michal Shteinberg, Najwan Nasralla, Sonya Schneer, Anat Amital, Nili Stein, Yochai Adir

Nasal nitric oxide measurement and a score of key clinical features in patients with non-cystic fibrosis bronchiectasis
Jessica Rademacher (Hannover, Germany), Jessica Rademacher, Anna Buck, Jan Fuge, Mareike Price, Nicolaus Schwerk, Tobias Welte, Felix C. Ringhausen

Characteristic of a subgroup of non cystic fibrosis bronchiectasis with concomitant asthma
Federico Lorenzo Dente (Pisa, PI, Italy), Federico Lorenzo Dente, Maria Adelaide Roggi, Manuela Latorre, Elena Bacci, Barbara Vagaggini, Silvana Cianchetti, Dario Nieri, Pierluigi Paggiaro

Bronchiectasis is common in severe asthma
Christina Triantafyllidou (Athens, Greece), Katerina Dimakou, Adamantia Liapikou, Michail Toumbis, Anna Gkousiou, Serafeim Chrysikos, Kyriaki Tsikritsaki, Loukas Thanos, Christina Triantafyllidou

Impact of bronchiectasis on the course of COPD
Vanya Kostadinova (Varna, Bulgaria), Vanya Kostadinova, Yordan Radkov, Temenuga Stoeva, Darina Miteva

Chronic inhaled corticosteroids in patients with bronchiectasis who suffer an exacerbation
Edmundo ROSALES MAYOR (BARCELONA, Spain), Edmundo Rosales Mayor, Victoria Alcaraz Serrano, Isabel Amaro-Eloi, Beatriz Montull, Alexandra Gimeno, Gerard Muñoz, Montserrat Vendrell, Rosa María Girón, Rosario Menendez, Polverino Eva, Antoni Torres

Pseudomonas aeruginosa isolates in bronchiectasis: With particularities and risk factors?
Haifa Zaibi (Tunis, Tunisia), Haifa Zaibi, Lamia Missaoui, Jihen Ben Amar, Nada Fezai, M. Ali Baccar, Salwa Azzebi, Besma Dahhri, Hichem Aouina

Exacerbations of bronchiectasis requiring hospitalization; clinical characterization and outcomes
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Acute exacerbation in patients with bronchiectasis: What is the prognostic factors?
Haifa Zaibi (Tunis, Tunisia), Haifa Zaibi, Lamia Missaoui, Jihen Ben Amar, Nada Fezai, Salwa Azzebi, M. Ali Baccar, Besma Dahhri, Hichem Aouina

Factors influencing hospital stay for acute exacerbations of bronchiectasis
Lamia Missaoui (Tunis, Tunisia), Lamia Missaoui, Haifa Zaibi, Nada Fezai, Besma Dahhri, Mohamed Ali Baccar, Saloua Azzabi, Jihen Ben Ammar, Hichem Aouina

Pulmonary targeted antibiotics in bronchiectasis; inhalers vs. nebulisers. A qualitative and quantitative assessment of patients’ attitudes
John Davison (Whitley Bay, United Kingdom), John Davison, Donna McEvoy, Gareth Davies, Richard Lee, Rapley Tim, Anthony De Soyza

Inhaled colistin in patients with non-cystic fibrosis bronchiectasis and chronic Pseudomonas aeruginosa bronquial infection
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Atorvastatin as novel treatment in bronchiectasis patients colonized with Pseudomonas aeruginosa
Pallavi Bedi (Edinburgh, Scotland, United Kingdom), Pallavi Bedi, James Chalmers, Pira Sarvanamuthu, Adriano Rossi, Adam Hill
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<td>Pneumococcal vaccination in bronchiectasis - an area for improvement?</td>
<td>Eve Palmer (Newcastle upon Tyne, United Kingdom), Eve Palmer, Nicholas Lane, John Davison, Donna McEvoy, Anthony De Soyza</td>
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**Room ICC Capital Suite 7 | Session 250 | 14:45 - 16:45**

**Poster Discussion: Best abstracts in exercise capacity and testing in chronic lung diseases**

**Chairs:** Pierantonio Laveneziana (Paris, France), Sally J. Singh (Leicester, United Kingdom)

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<td>Impact of whole body vibration training on balance and muscle power in patients with severe COPD - A randomized, controlled trial</td>
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<td>PA1566</td>
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A multicentre validation of the 1-minute sit-to-stand test in COPD patients
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Gait pattern in patients with COPD and controls during the 6-minute walk test
Wai-Yan Liu (Horn, Netherlands), Wai-Yan Liu, Martijn Spruit, Jeannet Delbressine, Paul Willems, Frits Franssen, Emiel Wouters, Kenneth Meijer

The reliability and validity of the 4 metre gait speed (4MGS) in idiopathic pulmonary fibrosis (IPF)
Claire M Nolan (London, United Kingdom), Claire M. Nolan, Matthew Maddocks, Jane L. Canavan, Sarah E. Jones, Samantha S.C. Kon, Athol U. Wells, David M. Hansell, Joseph Jacobs, Paul Cullinan, Toby M. Maher, William D.-C. Man

Longitudinal validity of the five-repetition sit-to-stand in COPD
Sarah Jones (BERKSHIRE, United Kingdom), Sarah Jones, Jane Canavan, Claire Nolan, Alex Labey, Matthew Maddocks, Samantha Kon, Michael Polkey, William Man

Ultrasound assessment of quadriceps muscle in COPD patients: Functional and clinical implications
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Repeatability and validity of the incremental shuttle walk test (ISWT) distance among adults with severe asthma
Sally Majd (Leicester, United Kingdom), Sally Majd, Stacey Hewitt, Ruth Green, Peter Bradding, Sally Singh, Rachael Evans

Aerobic training decreases pulmonary inflammation and airway hyperresponsiveness in a model of diet-induced obesity

"It's all bad": Fear avoidance beliefs predict lack of differentiation between dyspnea dimensions in anticipation of exercise-related dyspnea
Thomas Janssens (LEUVEN, Belgium), Thomas Janssens

Physical activity in patients with asthma
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Physical activity in COPD and its relationship to exercise performance and sleep
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Descriptors of exertional dyspnea across the COPD severity spectrum
Katherine Webb (Kingston, ON, Canada), Katherine Webb, Denis O’Donnell, Alberto Neder

Structural determinants of exercise ventilatory inefficiency in mild-to-moderate COPD
J. Alberto Neder (Kingston, Canada), Joshua Jones, Joel Zelt, Ingrid Rafferty, Luiza Castanhas, Daniel Hirai, Denis O’Donnell, J. Alberto Neder

Relationships between the sensation of activity limitation and functional abilities in asthma patients
François Vermeulen (Borex, Switzerland), François Vermeulen, Audrey Chirumberro, Peter Rummens, Marie Bruyneel, Vincent Ninane

Prediction of maximal oxygen uptake at high altitude
Min-Yeong KANG (Palaiseau, France), Min-Yeong Kang, Bernard Sapoval

Respiratory timing and dynamic hyperinflation during incremental exercise in patients with COPD
Bente Frisk (Sandnes, Norway), Bente Frisk, Birgitte Espenhaug, Jon Andrew Hardie, Liv Inger Strand, Rolf Moe-Nilssen, Tomas Mikal Eagan, Per Bakke, Einar Thorsen

Relationship between dysfunctional breathing and exercise-induced bronchoconstriction in athletic populations
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Physiological determinants of reduced tolerance to interval exercise in moderate-to-severe COPD
Daniela Bravo (SAO PAULO/SP, Brazil), Daniela Bravo, Ana Cristina Gimenes, Maria Clara Alencar, Beatriz Amorim, Daniel Hirai, Dennis O’Donnell, J. Alberto Neder, Luiz Eduardo Nery

Associations between lung diffusion impairment, ventilatory inefficiency and exercise intolerance in mild to very severe COPD
Katherine Webb (Kingston, ON, Canada), Conor O’Donnell, Katherine Webb, Alberto Neder, Denis O’Donnell

CO₂ inhalation attenuates exercise-induced rise of pulmonary artery pressure under acute hypoxia condition
Anne Charloux (Strasbourg, France), Stephane Doutreleau, Irina Enache, Cristina Pisteia, Bernard Geny, Anne Charloux

Effect of hyperoxia on exercise performance in COPD: Randomized trial
Silvia Ulrich (Zürich, Switzerland), Silvia Ulrich, Stéphanie Saxer, Elisabeth Hasler, Michael Furian, Konrad Bloch

Modeling of oxygen uptake kinetics during exercise testing in patients with chronic obstructive pulmonary diseases (COPD)
Florent Baty (St. Gallen, Switzerland), Florent Baty, Christian Ritz, Arnoldus van Gestel, Martin Brutsche, Daniel Gerhard

Comparison of cardiopulmonary responses between a new spot marching test and six minute walk test in mild to moderate COPD patients
Vatcharaporn Khaweephab (Khon Kaen, Thailand), Vatcharaporn Khaweephab, Chulee Jones, Chatchai Phimphasak, David Jones

Endurance training increases quadriceps oxidative profile in COPD: A RCT of two major training modalities
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Ventricular-arterial coupling is preserved during exercise in patients with COPD
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Risk factors for intensive care and respiratory support among infants with bronchiolitis
Minna Mecklin (Jyväskylä, Finland), Minna Mecklin, Paula Heikkilä, Matti Korppi

Blood gas analysis in acute bronchiolitis – Who and when?
Stefan Unger (Edinburgh, United Kingdom), Stefan Unger, Christopher Halliday, Steve Cunningham

Severe acute viral bronchiolitis: A genetic entity
Alfonso E Alvarez (Campinas, Brazil), Alfonso E. Alvarez, Fernando A.L. Marson, Carmem S. Bertuzzo, Juliana C.S. Santiago, Emilio C.E. Baracat, Antonia T. Tresoldi, Mariana T.N. Romaneli, Patricia G. Schloedtman, Ester Correa, Celize C.B. Almeida, Therezinha Oliveira, Maria Luisa F. Miranda, Marcelo C. Reis, Jose Vicente de Pieri, Clarisse W. Arns, Jose Dirceu Ribeiro

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The effect of L-Arginine on cilia beat frequency in PCD patients, non-PCD referrals and healthy controls
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Airway disease and inhaled corticosteroids (ICS) in children with primary ciliary dyskinesia (PCD)
Eleonora Dehlink (London, United Kingdom), Eleonora Dehlink, Charlotte Richardson, Gemma Marsh, Kiri Pares, Angela Jamalzadeh, Andy Bush, Claire Hogg, Šiobhán B. Carr

Azithromycin therapy in children with postinfectious bronchiolitis obliterans
Zeynep Seda Uyan (Istanbul, Turkey), Zeynep Seda Uyan, Levent Midyat, Erkan Çakir, Yasemin Gökdemir, Nihal Sahin, Canan Baydemir, Velat Sen, Ahmet Hakan Gedik, Ela Erdem, Fazilet Karakoç, Bülent Karadag, Refika Ersu

The obstacle race of post-infectious bronchiolitis obliterans (PIBO): Prognostic factor analysis
Cátia Pereira (Lisboa, Portugal), Cátia Pereira, Carolina Constant, Ana Margarida Silva, Teresa Bandeira
PA1604 Lung clearance index in patients with bronchiolitis obliterans
Martin Rosewich (Bad Homburg, Germany), Martin Rosewich, Felix Michel, Nebiyat Filate-Belachew, Ralf Schubert, Stefan Zielen

PA1605 Active tuberculosis among adolescents in a high endemic area
Elena Dantes (CONSTANTA, Romania), Elena Dantes, Claudia L. Toma, Cristian Oancea, Ligia Puiu, Petronela Ariadna Fildan

PA1606 Comparing respiratory virus burden among infants across emergency care and in-patient settings
Adrian Trenholme (Auckland, New Zealand), Adrian Trenholme, Shirley Lawrence, Cameron Grant, Namrata Prasad, Claire Newbern, Angela Todd, Tim Wood, Sue Huang

PA1607 Multidisciplinary interventions to improve narrow spectrum antibiotic use in pediatric community acquired pneumonia
Mustafa Ghulam (MULTAN, Pakistan), Mustafa Ghulam

PA1608 Cytokine and chemokine profile in a cohort of children with community acquired pneumonia
Joseph L Mathew (Chandigarh, India), Joseph L. Mathew, Sofia Ygberg, Sunit Singhi, Vikas Gautam, Shanie Saghafián–Hedengren, Anna Nilsson

PA1609 Change in the management of pneumonia with pleural effusion in children following implementation of a new decision tree
Isabelle Rochat (LAUSANNE, Switzerland), Isabelle Rochat, Cristina Felice Civitillo, Pierre-Alex Crisinel

PA1611 Technology depended children. Quality of life, days of hospitalization and cost effect from a home care program
Elisavet- Anna Chrysochoou (Thessaloniki, Greece), Elisavet-Anna Chrysochoou, Fotios Kirvassilis, Elpis Hatziazgorou, John Tzanakas

PA1612 The effectiveness of AMBU-bag to recruit ribcage volume in spinal muscle atrophy
Antonella LoMauro (Milan, Italy), Antonella Lo Mauro, Chiara Mastella, Giovanni Baranello, Andrea Aliverti

Room ICC Capital Suite 9 Session 253 14:45 - 16:45
Poster Discussion: Kaleidoscope of respiratory nursing
Chairs: Sheree M.S. Smith (Sydney, NSW, Australia), Janelle Yorke (Manchester, United Kingdom)

PA1613 Nurses’ knowledge and abilities gaps concerning health care of COPD patients: Window for improvement
Ilda De Godoy (Botucatu, Brazil), Ilda De Godoy, Dulene Ludmila Nogueira, Irma Godoy

PA1614 Impact of therapeutic education program for COPD patients on preventing readmissions (APRENDEEPOC)
Carme Hernandez Carcereny (Barcelona, Spain), Carme Hernandez Carcereny, Nuria Seijas, Ana Folch, Mariana Roman, Isabel Orts, Jesus Aibar, Cristina Esquinas, Loreto Macia

PA1615 Development of pre-admission information for referrals with suspected interstitial lung disease to a specialist unit

PA1616 Experiences of training-adherence in a 12 weeks home-based IMT program for individuals with COPD
Dorthe Sorensen (Randers NO, Denmark), Dorthe Soerensen, Marie Ernst Christensen

PA1617 Respiratory nurse specialists prioritise experiences of living with COPD differently from patients with COPD and their carers
Samantha Prigmore (Tooting, United Kingdom), Samantha Prigmore, Ann Caress, June Warden, Janelle Yorke

PA1618 Feasibility of web-based protocol in a 12 weeks home-based IMT program for individuals with COPD
Dorthe Sorensen (Randers NO, Denmark), Dorthe Soerensen, Helle Svenningsen

PA1619 Home care and benefit in days of hospitalization, cost and quality of life for children with cystic fibrosis
Elpida Hatziazgorou (Thessaloniki, Greece), Elpida Hatziazgorou, Eliana Chrysochoou, Fotis Kirvassilis, Dafni Papanikolaou, Despoina Terzi, Lemonia Nousia, John Tzanakas

PA1620 Preferences for end-of-life care in patients with COPD
Carmen Houben (Horn, Netherlands), Carmen Houben, Martijn Spruit, Emiel Wouters, Herman-Jan Pennings, Jacques Creemers, Geertjan Wesseling, Vivian Kampen-van den Boogaart, Daisy Janssen

PA1621 Impact of the Wessex AsThma CoHort (WATCH) study on recruitment to research
Yvette Thirlwall (Southamptom, United Kingdom), Yvette Thirlwall, Fernando Gonzalez, Clair Barber, Kerry Gove, Kamran Tariq, Paddy Dennison, Ramesh Kurukulaaratchy
Links between psychological factors and health-related quality of life in pulmonary hypertension
Emma Cole (Barnsley, United Kingdom), Emma Cole, Iain Armstrong, Katie Cutts

The patient's role in the choice of new inhaler devices and dosing regimens for asthma and COPD: A preference study
Terry Robinson (North Yorkshire, United Kingdom), Terry Robinson, Nicola Bell

Ascertaining baseline knowledge of oxygen therapy and respiratory failure
Nicola Garner (Cheshire, United Kingdom), Nicola Garner, Paul Deegan, Hassan Burhan, Ida Ryland

Is anxiety and depression a barrier to enrolment in a study in chronic obstructive pulmonary disease (COPD)?
Karen Marshall (Newcastle upon Tyne, United Kingdom), Karen Marshall, Chris Stenton, Debbie Carrick-Sen, Julia Newton, Christine Baker, Anthony De Soyza

Assessment of pain and nutritional status in patients suffering from lung cancer
Sandra Karabatic (Zagreb, Croatia), Sandra Karabatic, Sanja Pleština, Tanja Zovko, Andreja Šajnic

Room J  Session 259  16:00 - 17:30
ERS General Assembly and Council: ERS Council meeting

Room ICC Capital Suite 8  Session 263  17:00 - 17:50
Group members' meeting: 1.2 Rehabilitation and chronic care
Chairs: Ioannis Vogiatzis (Athens, Greece), Frits M.E. Franssen (Horn, Netherlands)

Room ICC Capital Suite 10  Session 264  17:00 - 17:50
Group members' meeting: 3.2 Airway cell biology and immunopathology
Chairs: Clifford Taggart (Belfast, United Kingdom), Silke Meiners (Munich, Germany)

Room ICC Capital Suite 9  Session 265  17:00 - 17:50
Group members' meeting: 1.6 General practice and primary care
Chairs: Hilary Pinnock (Edinburgh, United Kingdom), Janwillem Kocks (Groningen, Netherlands)

Room H  Session 266  17:00 - 17:50
Group members' meeting: 6.1 Epidemiology and 6.4 Genes and environment
Chairs: H. Marike Boezen (Groningen, Netherlands), Torben Sigsgaard (Århus, Denmark), Anne Lindberg (Boden, Sweden), Jennifer Quint (London, United Kingdom)

Room ICC Capital Suite 13  Session 267  17:00 - 17:50
Group members' meeting: 9.2 Physiotherapists
Chairs: Daniel Langer (Leuven, Belgium), Chris Burtin (Diepenbeek, Belgium)

Room ICC Capital Suite 6  Session 268  17:00 - 17:50
Group members' meeting: 9.1 Respiratory function technologists/scientists
Chairs: Jellien Makonga-Braaksma (Woudenberg, Netherlands), Waldemar Tomalak (Rabka-Zdroj, Poland)

Room ICC Capital Suite 15  Session 269  17:00 - 17:50
Group members' meeting: 9.3 Nurses
Chairs: Bettina Korn (Dublin 8, Ireland), Georgia Narsavage (Columbia, United States of America)

17:15-19:15
INDUSTRY EVENING SYMPOSIUM  SEE PAGE 1
17:30-19:00

INDUSTRY EVENING MINI SYMPOSIUM  
SEE PAGE 1

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<th>Room ICC Capital Suite 8</th>
<th>Session 284</th>
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<tbody>
<tr>
<td><strong>Group members' meeting: 1.4 Interventional pulmonology</strong></td>
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<tr>
<td><strong>Chairs:</strong> Jouke T. Annema (Amsterdam, Netherlands), Prashant Nemichand Chhajed (Mumbai, India)</td>
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<tr>
<th>Room ICC Capital Suite 10</th>
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<tbody>
<tr>
<td><strong>Group members' meeting: 7.5 Neonatology and Paediatric Intensive Care; 7.6 Paediatric Respiratory Epidemiology; 7.7 Paediatric Bronchology</strong></td>
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<tr>
<td><strong>Chairs:</strong> Charles Christoph Roehr (Oxford, United Kingdom), Bülent Taner Karadag (STANBUL, Turkey), Kostas Priftis (Haidari, Athens, Greece), Suzanne Terheggen-Lagro (Rotterdam, Netherlands), Liesbeth Duijts (Rotterdam, Netherlands), Deborah Snijders (Ponzano Veneto, Italy)</td>
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<tr>
<th>Room ICC Capital Suite 9</th>
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<tbody>
<tr>
<td><strong>Group members' meeting: 3.3 Mechanisms of lung injury and repair</strong></td>
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<tr>
<td><strong>Chairs:</strong> Martin Kolb (Hamilton, Canada), Melanie Koenigshoff (Munich, Germany)</td>
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<tr>
<th>Room H</th>
<th>Session 287</th>
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<tbody>
<tr>
<td><strong>Group members' meeting: 5.1 Airway pharmacology and treatment</strong></td>
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<tr>
<td><strong>Chairs:</strong> Reinoud Gosens (Groningen, Netherlands), Paul Kirkham (Wolverhampton, United Kingdom)</td>
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<tr>
<th>Room ICC Capital Suite 13</th>
<th>Session 288</th>
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</thead>
<tbody>
<tr>
<td><strong>Group members' meeting: 7.3 Cystic fibrosis; 7.4 Paediatric respiratory infection and immunology</strong></td>
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<tr>
<td><strong>Chairs:</strong> Ian Balfour-Lynn (London, United Kingdom), Mark Everard (Perth, Australia), Jürg Barben (St. Gallen, Switzerland), Vanessa Craven (Sheffield, United Kingdom)</td>
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<tr>
<th>Room ICC Capital Suite 6</th>
<th>Session 289</th>
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<tbody>
<tr>
<td><strong>Group members' meeting: 7.2 Paediatric asthma and allergy</strong></td>
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<tr>
<td><strong>Chairs:</strong> Bart Rottier (Groningen, Netherlands), Alexander Möller (Zurich, Switzerland)</td>
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</tbody>
</table>
### Room K  Session 310  07:00 - 08:15

**Challenging clinical cases: CC3 Problematic application of mechanical ventilation**

**Aims:** Access educational materials here
To discuss cases of acute respiratory distress syndrome (ARDS) and chronic obstructive pulmonary disease (COPD) that were very difficult to ventilate; to present how the problems were overcome; and to foster the discussion with participants on these and other cases.

**Track(s):** Intensive care

**Tag(s):** Clinical

**Target audience:** Anaesthesiologist, Clinician, Intensivist/critical care physician, Physiotherapist, Pulmonologist, Resident, Respiratory physician, Respiratory therapist

**Chairs:** Brigitte Fauroux (Paris, France)

<table>
<thead>
<tr>
<th>Case Study</th>
<th>Speaker</th>
<th>Session Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Difficult ventilation in COPD patients</td>
<td>Raffaele Scala (Arezzo, Italy)</td>
<td>1712</td>
</tr>
<tr>
<td>Difficult ventilation in ARDS patients</td>
<td>Marcus Schultz (Amsterdam, Netherlands)</td>
<td>1713</td>
</tr>
</tbody>
</table>

### Room ICC Capital Suite  Session 311  07:00 - 08:15

**Challenging clinical cases: CC4 Major challenges in thoracic surgical oncology**

**Aims:** Access educational materials here
To provide insights into the different categories of oncology patients who are marginal surgical candidates; the optimal work-up for this subset of patients; and the factors that influence treatment outcome.

**Track(s):** Oncology

**Tag(s):** Clinical

**Target audience:** Oncologist, Radiologist, Thoracic surgeon

**Chairs:** Gilbert Massard (Strasbourg, France)

<table>
<thead>
<tr>
<th>Case Study</th>
<th>Speaker</th>
<th>Session Code</th>
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</thead>
<tbody>
<tr>
<td>Bilateral lung cancer with COPD or metastatic disease</td>
<td>Laureano Molins Lopez-Rodo (Barcelona, Spain)</td>
<td>1714</td>
</tr>
<tr>
<td>Small cell lung cancer and surgery</td>
<td>Jens Soerensen (Copenhagen, Denmark)</td>
<td>1715</td>
</tr>
</tbody>
</table>

### Room ICC Capital Suite  Session 312  07:00 - 08:15

**Challenging clinical cases: CC5 Non-resolving pneumonia**

**Aims:** Access educational materials here
To review diagnosis and management of possible pulmonary and non-pulmonary causes of non-resolving pneumonia.

**Track(s):** Infection

**Tag(s):** Clinical

**Target audience:** Clinician, Fellow, General practitioner, Junior member, Microbiologist, Pulmonologist, Researcher, Resident, Respiratory physician, Scientist, Student, Trainee

**Chairs:** Ane Uranga (Bilbao, Spain)

<table>
<thead>
<tr>
<th>Case Study</th>
<th>Speaker</th>
<th>Session Code</th>
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<tbody>
<tr>
<td>A pulmonary etiology of non-resolving pneumonia</td>
<td>Brandon Webb (Murray, United States of America)</td>
<td>1716</td>
</tr>
<tr>
<td>An extra-pulmonary etiology of non-resolving pneumonia</td>
<td>Yuichiro Shindo (Nagoya, Japan)</td>
<td>1717</td>
</tr>
</tbody>
</table>
Skills workshop: SW10 Interventional pulmonology

**Aims:** Access educational materials here
To provide participants with an opportunity to practise and develop practical skills in range of different endoscopic techniques.

**Track(s):** Intensive care

**Tag(s):** Clinical

**Target audience:** Clinician, Fellow, Junior member, Pulmonologist, Resident, Respiratory physician, Thoracic endoscopist, Trainee

**Chairs:** Felix J.F. Herth (Heidelberg, Germany)

**Introduction**

**Workstation 1:** Endoscopic lung volume reduction with valves
Daniela Gompelmann (Heidelberg, Germany)

**Workstation 2:** Endoscopic lung volume reduction with coils
Nicolaas H.T. ten Hacken (Groningen, Netherlands)

**Workstation 3:** Endobronchial ultrasound
Jouke T. Annema (Amsterdam, Netherlands)

**Workstation 4:** Endooesophageal ultrasound
Michela Bezzi (Brescia, Italy)

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Skills workshop: SW11 The new frontiers in exercise training in chronic obstructive pulmonary disease patients: technical aspects

**Aims:** Access educational materials here
To describe the new exercise training strategies in chronic obstructive pulmonary disease (COPD) patients; to describe a novel approach for exercise training in COPD patients after acute exacerbation; to discuss the types of exercise training.

**Track(s):** Physiology

**Tag(s):** Clinical

**Target audience:** Allied health professional, Nurse, Occupational therapist, Physiotherapist, Respiratory physician, Respiratory therapist, Student

**Chairs:** Sally J. Singh (Leicester, United Kingdom)

**Introduction**

**Workstation 1:** Exercise training: linear vs non-linear training
Fabio Pitta (LONDRINA/PR, Brazil)

**Workstation 2:** Strategies in pulmonary rehabilitation for the severe COPD patient
Daniel Langer (Leuven, Belgium), Ioannis Vogiatzis (Athens, Greece)

**Workstation 3:** The addition of non-invasive ventilation during exercise training in COPD patients
Enrico Maria Clini (Pavullo, Italy), Michelle Chatwin (London, United Kingdom)

**Workstation 4:** Future perspectives in exercise training: water-based training
Renae McNamara (Sydney, NSW, Australia)

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Skills workshop: SW12 Interventional pulmonology - FULLY BOOKED

**Aims:** Access educational materials here
To provide participants with an opportunity to practise and develop practical skills in range of different endoscopic techniques.
ERS International Congress 2016
DETAILED PROGRAMME
MONDAY 05 SEPTEMBER, 2016

Track(s): Intensive care
Tag(s): Clinical
Target audience: Clinician, Fellow, Junior member, Pulmonologist, Resident, Respiratory physician, Thoracic endoscopist, Trainee
Chairs: Pallav L. Shah (London, United Kingdom)

Introduction

Workstation 1: Endoscopic lung volume reduction with valves
Arschang Valipour (WIEN, Austria)

Workstation 2: Endoscopic lung volume reduction with coils
Maren Schuhmann (Heidelberg, Germany)

Workstation 3: Endobronchial ultrasound
Sebastian Fernandez Bussy (Santiago, Chile)

Workstation 4: Endoesophageal ultrasound
Ralf Eberhardt (Heidelberg, Germany)

Room ICC Capital Suite 17
Session 347 10:40 - 13:00

Registration for this session is additional to the congress registration fee and is €100 on site, €90 standard or €70 for early bird registration.

Skills workshop: SW13 The new frontiers in exercise training in chronic obstructive pulmonary disease patients: technical aspects

Aims: Access educational materials here
To describe the new exercise training strategies in chronic obstructive pulmonary disease (COPD) patients; to describe a novel approach for exercise training in COPD patients after acute exacerbation; to discuss the types of exercise training.

Track(s): Physiology
Tag(s): Clinical
Target audience: Allied health professional, Nurse, Occupational therapist, Physiotherapist, Respiratory physician, Respiratory therapist, Student
Chairs: Rik Gosselink (Leuven, Belgium)

Introduction

Workstation 1: Exercise training: linear vs non-linear training
Susan Ward (Crickhowell, United Kingdom)

Workstation 2: Strategies in pulmonary rehabilitation for the severe COPD patient
Daniel Langer (Leuven, Belgium), Ioannis Vogiatzis (Athens, Greece)

Workstation 3: The addition of non-invasive ventilation during exercise training in COPD patients
Michelle Chatwin (London, United Kingdom), Enrico Maria Clini (Pavullo, Italy)

Workstation 4: Future perspectives in exercise training: water-based training
Renae McNamara (Sydney, NSW, Australia)

Room ICC Capital Suite 4
Session 447 14:30 - 16:50

Registration for this session is additional to the congress registration fee and is €100 on site, €90 standard or €70 for early bird registration.

Skills workshop: SW14 Interventional pulmonology

Aims: Access educational materials here
To provide participants with an opportunity to practise and develop practical skills in range of different endoscopic techniques.

Track(s): Intensive care
Tag(s): Clinical
Target audience: Clinician, Fellow, Junior member, Pulmonologist, Resident, Respiratory physician, Thoracic endoscopist, Trainee
Chairs: Felix J.F. Herth (Heidelberg, Germany)

Introduction
**Room ICC Capital Suite**  
**Session 446**  
**14:30 - 16:50**

Registration for this session is additional to the congress registration fee and is €100 on site, €90 standard or €70 for early bird registration.

**Skills workshop: SW15 The new frontiers in exercise training in chronic obstructive pulmonary disease patients: technical aspects**

**Aims:**
Access educational materials here  
To describe the new exercise training strategies in chronic obstructive pulmonary disease (COPD) patients; to describe a novel approach for exercise training in COPD patients after acute exacerbation; to discuss the types of exercise training.

**Track(s):** Physiology  
**Tag(s):** Clinical  
**Target audience:** Allied health professional, Nurse, Occupational therapist, Physiotherapist, Respiratory physician, Respiratory therapist, Student

**Chairs:** Sally J. Singh (Leicester, United Kingdom)

**Introduction**

**Workstation 1: Exercise training: linear vs non-linear training**  
Susan Ward (Crickhowell, United Kingdom)

**Workstation 2: Strategies in pulmonary rehabilitation for the severe COPD patient**  
Ioannis Vogiatzis (Athens, Greece)

**Workstation 3: The addition of non-invasive ventilation during exercise training in COPD patients**  
Enrico Maria Clini (Pavullo, Italy)

**Workstation 4: Future perspectives in exercise training: water-based training**  
Karin Wadell (Umeå, Sweden)

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**Room ICC Capital Suite**  
**Session 317**  
**08:00 - 10:30**

Registration for this session is additional to the congress registration fee and is €40 on site, €35 standard or €25 for early bird registration.

**Professional development workshop: PD3 Preparing your content for teaching online**

**Communicating science through active learning**

**Aims:**
Access educational materials here  
To gain skills in learning how to deliver high quality online sessions and best practices for communicating science with interactive online learning experiences; to summarise current knowledge on the need for interactivity in online learning; to learn how to apply different categories of interactive learning activities online; to identify alterations needed to change course content to an online presentation format; to use quality-based standards of evaluation to analyse an online course.

**Tag(s):** Translational  
**Target audience:** Allied health professional, Clinician, Educationalist, Fellow, Junior member, Nurse, Resident, Social worker, Student, Trainee

**Chairs:** Georgia Narsavage (Columbia, United States of America)

**Pre-work online: ‘Quality matters’ (QM) evaluation to design/revise content of an online course**  
1718

**08:00**  
**Introduction: How to deliver high quality online sessions and communicate science through active learning**  
Geraldine Clarebout (Maastricht, Netherlands)
08:10 Best practices for interactive online teaching/learning
Georgia Narsavage (Columbia, United States of America)

08:20 Introduction to the workshop including the ‘quality matters’ (QM) evaluation
Georgia Narsavage (Columbia, United States of America)

08:30 Workshop: Design and evaluate a section of an online course
Georgia Narsavage (Columbia, United States of America), Geraldine Clarebout (Maastricht, Netherlands)

10:10 Discussion and conclusion

Room ICC Capital Suite  Session 369  10:45 - 12:45

Professional development workshop: PD4 How to deal with difficult people

Aims: Access educational materials here
To increase the ability develop effective approaches to dealing with challenging situations; to use effective communication skills to raise concerns; to identify difficult personality types and utilise specific strategies for dealing with them.

Target audience: Allied health professional, Clinician, Fellow, Junior member, Patient, Public health official, Respiratory physician, Trainee, Student, Nurse, Physiotherapist, Researcher, Social worker, Respiratory therapist, Educationalist

Chairs: Nicolino Ambrosino (Volterra, Italy)

10:45 Introduction by the chair

10:50 What makes a situation challenging?- Remembering that impact may be different than intent- How perception impacts our view- Gaining psychological distance as you prepare an approach- Recognising that emotions may cloud your judgment and behaviour- Small group discussion: What types of behaviour are most challenging for you and why?
Louellen N. Essex (Minnesota, United States of America)

11:10 When you want to use a communication approach: A step-by-step template- Describing the problem without using judgmental terms- Owning your own point of view- Explaining the impact of the problem- Listening carefully to the response- Negotiating solutions- What to do if you cannot reach agreement- Skills practise in communicating with difficult people in small groups
Louellen N. Essex (Minnesota, United States of America)

11:35 Applying the communication approach to common difficult situations- Case discussion in small groups: What would you say/do?
Louellen N. Essex (Minnesota, United States of America)

12:00 When you want to use a coping approach: If communication does not work, managing the situation “in the moment”- Examples of what to say and do when certain behaviours occur- Skills practise in triads
Louellen N. Essex (Minnesota, United States of America)

12:25 In summary: Commit-Own-Notice-Frame-Identify-Determine-Evaluate-Negotiate-Collaborate-Experiment = CONFIDENCE
Louellen N. Essex (Minnesota, United States of America)

12:35 Questions and answers

Room ICC Capital Suite  Session 433  13:00 - 14:30

Professional development workshop: PD5 Establishing core facilities for measuring clinical trial outcomes

Experience from the European Cystic Fibrosis Society (ECFS) Clinical Trials Network (CTN)

Aims: Access educational materials here
To identify hurdles to the inclusion and acceptance of broader outcome measures in clinical trials; to describe the benefits of standardisation and the roles and requirements of a core facility giving the ECFS CTN as example; to understand potential interactions between the core facility, commercial sponsors, and the trial networks.
### Session 425 Room ICC Capital Suite 10 13:00 - 14:00

**Introduction by the chair to the concept of a clinical trials network**

**Lightning lecture: High resolution CT as a clinical trial outcome measure: standardisation of performance and scoring**
- Harm Tiddens (Rotterdam, Netherlands)

**Lightning lecture: Lung Clearance Index: why, how, and the lessons learned**
- Jane C. Davies (London, United Kingdom)

**Lightning lecture: Nasal Potential Difference: standardisation process, issues arising and FDA approvals**
- Isabelle Sermet-Gaudelus (Paris, France)

**Workshop 1: Lung Clearance Index – demonstration of devices utilised by the core facility; best practices and different approaches to communication with pharmaceutical companies**
- Katie Bayfield (London, United Kingdom), Clare Saunders (London, United Kingdom)

**Workshop 2: Computed tomography – include CT scans and score sheets for delegates to view and attempt to grade themselves; address any questions regarding specific trials, other grading systems or other issues delegates have had with CT as an outcome measure**
- Harm Tiddens (Rotterdam, Netherlands)

**Workshop 3: Nasal Potential Difference (NPD) – demonstration of a video of NPD; discussion of issues delegates have had with equipment; inform about the NPD standardisation guidelines**
- Isabelle Sermet-Gaudelus (Paris, France)

### Session 427 Room ICC Capital Suite 6 13:00 - 14:00

**Meet the expert: ME5 Persisting symptoms after pulmonary embolism**

**Aims:**
To describe a diagnostic and therapeutic strategy for patients with persistent symptoms after acute pulmonary embolism (PE); to discuss the epidemiology of symptoms after acute PE; the differential diagnosis; the pathophysiological mechanisms of disease, including dead space ventilation, right ventricle dysfunction, and pulmonary hypertension; an overview of how to manage patients with persistent symptoms; and current treatment strategies including pulmonary endarterectomy (PET) and balloon pulmonary angioplasty (BPA).

**Tag(s):** Clinical

**Target audience:**
Cardiologist, Clinician, Junior member, Nurse, Physiotherapist, Pulmonologist, Radiologist, Resident, Respiratory physician, Trainee

**13:00 Persisting symptoms after pulmonary embolism**
- Matthias Held (Wurzburg, Germany)

**Meet the expert: ME6 Dealing with air leaks during noninvasive ventilation**

**Aims:**
To provide an understanding of the rationale behind using intentional leak circuits in both the acute adult and paediatric setting.

**Track(s):** Intensive care

**Tag(s):** Clinical

**Target audience:**
Anaesthesiologist, Cardiologist, Emergency medicine doctor, Fellow, Intensivist/critical care physician, Neonatologist, Nurse, Paediatrician, Pulmonologist, Respiratory therapist, Student

**13:00 Dealing with air leaks during NIV**
- Nicholas S. Hill (Providence, United States of America)
**Meet the expert: ME7 Surgery for lung cancer**

**Aims:** Access educational materials here
To provide an overview of the optimal use of imaging techniques, new generations of chemotherapeutic agents, and new radiation techniques in surgical candidates; and to emphasise the importance of accurate mediastinal staging and optimal timing of treatment.

**Track(s):** Oncology

**Tag(s):** Clinical

**Target audience:** Oncologist, Pulmonologist, Thoracic surgeon

**13:00**  
**Surgery for lung cancer**  
Lorenzo Spaggiari (Milan, Italy)

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**Meet the expert: ME8 Acute and chronic infection in chronic obstructive pulmonary disease - FULLY BOOKED**

**Aims:** Access educational materials here
To discuss the main clinical challenges associated with acute and chronic infection in patients with chronic obstructive pulmonary disease (COPD).

**Track(s):** Infection

**Tag(s):** Clinical

**Target audience:** Clinician, Nurse, Pulmonologist, Physiotherapist

**13:00**  
**Acute and chronic infection in COPD**  
Marc Miravitlles (Barcelona, Spain)

---

**Meet the expert: ME13 Smoking cessation in difficult population groups**

**Aims:** Access educational materials here
To identify, analyse and influence individual and social factors affecting special groups of smokers.

**Track(s):** Infection, Oncology

**Tag(s):** Clinical

**Target audience:** Pulmonologist, Paediatrician, Psychologist, Oncologist, Cardiologist, Nurse, Allied health professional, Clinician, General practitioner, Social worker

**13:00**  
**COPD, asthma, and lung cancer patients**  
Christina-Georgia Gratziou (Athens, Greece)

**13:30**  
**Psychiatric patients and pregnant smokers**  
Paraskevi Katsaounou (Athens, Greece)

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**Meet the expert: ME14 What is sleep apnoea anyway? Why metrics and definitions matter**

**Aims:** Access educational materials here
To discuss the AHI, ODI, RDI, T90 and other metrics related to sleep-disordered breathing and their predictive values and implications.

**Track(s):** Epidemiology / Environment, Sleep

**Tag(s):** Clinical, Translational

**13:00**  
**What is sleep apnea anyway?**  
Barbara Phillips (Lexington, United States of America)
**ICC Auditorium  Session 320  08:30 - 10:30**

**Year in review: Paediatric Year in Review from the bench to the clinic**

**Aims:** To provide an update in four topics in paediatric respiratory medicine. The most recent and significant literature and developments relating to these topics will be highlighted.

**Track(s):** Paediatric  
**Tag(s):** Translational, Healthy Lungs for Life (HLfL)  
**Target audience:** Allergologist, Allied health professional, Clinician, Epidemiologist, Fellow, General practitioner, Junior member, Neonatologist, Paediatrician, Pulmonologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Student  
**Chairs:** Monika Gappa (Wesel, Germany), Fabio Midulla (ROMA, RM, Italy)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker/Institution</th>
<th>Room E</th>
<th>Session 320</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>New insights into paediatric</td>
<td>Heather Joy Zar (Johannesburg, South Africa)</td>
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<td>1734</td>
</tr>
<tr>
<td>09:00</td>
<td>Noninvasive ventilation in infants and children</td>
<td>Charles Christoph Roehr (Oxford, United Kingdom)</td>
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<td>1735</td>
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<tr>
<td>09:30</td>
<td>Environmental threats to paediatric respiratory health</td>
<td>Peter D. Sly (South Brisbane, QLD, Australia)</td>
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<td>1736</td>
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<tr>
<td>10:00</td>
<td>Respiratory health in refugee children</td>
<td>Stefania La Grutta (Palermo, PA, Italy)</td>
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**Room E  Session 321  08:30 - 10:30**

**Symposium: Regeneratives approaches to COPD**

**Aims:** The aims of this symposium are to describe the stem cell changes that occur in the lungs in response to chronic environmental exposures, to discuss new ways of viewing the molecular anatomy of lung tissue and alveolar septa, and outline current and future approaches for preserving or enhancing airway stem cell function.

**Tag(s):** Basic science  
**Target audience:** Cardiologist, Clinician, Fellow, Pathologist, Pharmaceutical industry representative, Pulmonologist, Researcher, Scientist  
**Chairs:** Antonino Di Stefano (Veruno, Italy), Jonathan Grigg (London, United Kingdom)

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<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker/Institution</th>
<th>Room E</th>
<th>Session 321</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>Stem cells and their functional regeneration in the real (polluted) world</td>
<td>Jason Rock (San Francisco, United States of America)</td>
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<td>1738</td>
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<tr>
<td>09:00</td>
<td>Small molecule strategies that may enhance and preserve respiratory stem cell function</td>
<td>Saverio Bellusci (Giessen, Germany)</td>
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<td>1740</td>
</tr>
<tr>
<td>09:30</td>
<td>Lung tissue engineering: making a functional human lung</td>
<td>Daniel Weiss (Burlington, United States of America)</td>
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<td>1741</td>
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<tr>
<td>10:00</td>
<td>Panel discussion: led by speakers and chairs</td>
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**Prince Regent Room  Session 322  08:30 - 10:30**

**Symposium: Diseases and defences of the respiratory mucosa**

A joint ERS/SMI symposium

**Aims:** The aims of this session are to explain the role of microbiota/viruses in lung disease; describe the importance of goblet cells in mucosal homeostasis; discuss the role of Th17 cells in bacterial infection and innate immunity in the lung; and describe the key role of the respiratory mucosa in asthma.

**Track(s):** Infection  
**Tag(s):** Translational  
**Target audience:** Allergologist, Fellow, Immunologist, Junior member, Microbiologist, Paediatrician, Pharmaceutical industry representative, Pulmonologist, Researcher, Resident, Respiratory physician, Scientist, Student, Trainee  
**Chairs:** Stefano Aliberti (Milano, MI, Italy), Hans Bisgaard (Copenhagen, Denmark)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker/Institution</th>
<th>Room E</th>
<th>Session 322</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>The role of bacteria and viruses in lung disease</td>
<td>Philip Hansbro (Callaghan, Australia)</td>
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<td>09:00</td>
<td>Normal mucosal homeostasis of the lung as mediated by submucosal gland and goblet cell mucins</td>
<td>Gunnar C. Hansson (Gothenburg, Sweden)</td>
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<td>1743</td>
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Room L  Session 323  08:30 - 10:30
Session: Yernault Lecture preceded by the symposium “Latest developments in noninvasive ventilation: improvements and gadgets”

**Aims:** New developments in noninvasive ventilation will be described, including new devices, modes, and novel approaches that allow patients to be managed earlier and to avoid intubation when NIV fails. Recent knowledge regarding the mechanisms of long-term NIV in chronic stable patients will be detailed. The symposium will be followed by the Yernault Lecture and will cover ventilatory support in children, transition to adult care and NIV in adults, new thoughts on genotype-phenotype links, evolving outcomes, organisation of care, and ethical aspects.

**Track(s):** Intensive care

**Tag(s):** Clinical

**Target audience:** Anaesthesiologist, Clinician, Emergency medicine doctor, Intensivist/critical care physician, Junior member, Physiotherapist, Pulmonologist, Respiratory physician, Respiratory therapist, Student

**Chairs:** Begüm Ergan (Izmir, Turkey), Wolfram Windisch (Köln, Germany)

- **08:30** New developments in NIV for acute respiratory failure  
  Federico Longhini (Borgomanero, Italy)

- **08:50** NIV in chronic hypercapnic respiratory failure: new insights into the mechanisms of action  
  Nicholas Hart (London, United Kingdom)

- **09:10** NIV failure in acute hypercapnia: intubation versus extracorporeal CO2 removal  
  Lara Pisani (Bologna, BO, Italy)

- **09:30** Should we use early NIV in the ward for COPD exacerbations?  
  Mark W. Elliott (Leeds, United Kingdom)

- **09:50** Yernault lecture "Growing up on a ventilator: a learning curve"  
  Anita Simonds (London, United Kingdom)

Room A  Session 324  08:30 - 10:30

Symposium: The history of respiratory public health in Britain

**Aims:** The aim of this session is to address the UK contributions in the history of tobacco control, air pollution and work-related lung disease.

**Track(s):** Epidemiology / Environment

**Tag(s):** Healthy Lungs for Life (HLfL)

**Chairs:** Anthony Seaton (Edinburgh, United Kingdom), Paul Blanc (San Francisco, United States of America)

- **08:30** Tobacco and public health in Great Britain from 1945 through e-cigarettes  
  David Mannino (Lexington, United States of America)

- **09:00** From the coal field s to the shipyards: pneumoconiosis past and present  
  Arthur McIvor (Glasgow, United Kingdom)

- **09:30** A brief history of a century of air pollution and public health in Great Britain  
  Stephen Mosley (Leeds, United Kingdom)

- **10:00** Cotton dust: a personal perspective  
  Charles A. Pickering (Altrincham, United Kingdom)

Room B  Session 325  08:30 - 10:30
Symposium: An update on pleural empyema diagnostics and treatment
**Aims:** The session will provide an updated overview of the main achievements of the basic research on pleural empyema that are relevant for clinicians. In particular, the key benefits of the modern therapeutic procedures for pleural empyema, which are largely based on video-assisted technology (VAT), will be described. The take-home message will be that depending on the disease stage, optimal engagement between pulmonologists and surgeons is essential. The main pitfalls that relate to this disease will also be presented to facilitate recognition of the underlying diseases, as those diseases may not always be obvious at first.

**Track(s):** Infection, Intensive care

**Tag(s):** Translational

**Target audience:** Physiotherapist, Respiratory physician, Resident, Pulmonologist, Thoracic surgeon

**Chairs:** Danail Petrov (Sofia, Bulgaria), Hans-Beat Ris (LAUSANNE, Switzerland)

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<th>Time</th>
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<tr>
<td>08:30</td>
<td>New insights into an old disease</td>
<td>Gernot G.U. Rohde (Maastricht, Netherlands)</td>
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<td>09:00</td>
<td>How to prevent progression to stage III disease</td>
<td>Philippe Astoul (Marseille, France)</td>
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<td>09:30</td>
<td>The changing spectrum of surgical solutions: video-assisted thoracic surgery (VATS), robotics, and open surgery</td>
<td>Didier Lardinois (Basel, Switzerland)</td>
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<td>10:00</td>
<td>Major pitfalls in pleural empyema: what about the underlying disease?</td>
<td>Dragan R. Subotic (Belgrade, Republic of Serbia)</td>
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**Symposium: Diagnosing primary ciliary dyskinesia (PCD) in a molecular age**

**Aims:** The aims of this session are to explain the importance of an accurate diagnosis from the patients’ perspective; describe the barriers to obtaining a diagnosis for this rare ‘orphan’ lung disease; present data from an international survey of >300 patients conducted as part of the PCD task force; describe the clinical features that should prompt referral for diagnostic testing; discuss the disparity of diagnostic services in Europe; explain the pathophysiology and genetic basis of PCD; and present the recommendations of the ERS PCD task force "Diagnosis of primary ciliary dyskinesia (PCD) in a molecular age: A practice guideline for diagnosing patients with PCD."

**Track(s):** Paediatric

**Tag(s):** Clinical

**Target audience:** Allied health professional, Clinician, Fellow, General practitioner, Junior member, Lung function technician, Neonotologist, Nurse, Otolaryngologist, Paediatrician, Pathologist, Patient, Physiotherapist, Pulmonologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Trainee

**Chairs:** Andrew Bush (LONDON, United Kingdom), Angelo Barbato (Padova, PD, Italy)

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<td>08:30</td>
<td>Patients’ perspectives on diagnostic testing</td>
<td>Fiona Copeland (Milton Keynes, United Kingdom)</td>
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<td>09:00</td>
<td>Barriers and solutions to accurate diagnoses</td>
<td>Claudia Küehni (Bern, Switzerland)</td>
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<td>09:30</td>
<td>Genetic mechanisms of PCD</td>
<td>Heymut Omran (Münster, Germany)</td>
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<td>10:00</td>
<td>ERS PCD task force recommendations for diagnostic testing</td>
<td>Jane Lucas (Southampton, United Kingdom)</td>
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**Oral Presentation: New and old therapies for chronic lung diseases**

**Chairs:** Philippe Camus (DIJON, France), Alfredo Chetta (PARMA (PR), Italy)

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<td>OA1763</td>
<td><strong>LATE-BREAKING ABSTRACT:</strong> Blood eosinophils (EOS) are a biomarker of COPD exacerbation reduction with inhaled corticosteroids (ICS): An across-trials model-based approach</td>
<td>Neal C. Barnes (London, United Kingdom), Salman H. Siddiqui, Ian Pavord, Neil C. Barnes, Sally Lettis, Alessandro Guasco, Stefano Petruzelli</td>
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<td>OA1766</td>
<td><strong>Protective effects of vitamin D supplementation against acute respiratory infection are greatest in those with the lowest baseline vitamin D status</strong></td>
<td>Adrian R. Martineau (London, United Kingdom), Adrian R. Martineau, David A. Jolliffe, Richard L. Hooper, Lauren Greenberg, John F. Aloia, Peter Bergman, Gal Dubnov-Raz, Susanna Esposito, Davaaambu Ganna, Emma C. Goodall, Cameron Grant, Christopher J. Griffths, Win Janssens, Ilkka Laakki, Semira Manaseki-Holland, David Murdoch, Rachel E. Neale, Judy R. Rees, Steve Simpson, Iwona Stelmach, Geeta Trilok Kumar, Mitsuoshi Urashima, Carlos A. Camargo</td>
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Dose modifications and dose intensity during treatment with pirfenidone
Steven Nathan (Falls Church, United States of America), Steven Nathan, Lisa Lancaster, Carlo Albera, Marilyn Glassberg, Jeffrey Swigris, Frank Gilberg, Klaus-Uwe Kirchgaessler, Ute Petzinger, Paul Noble

Effect of continued pirfenidone treatment following a 15% decline in 6-minute walk distance (6MWD) in patients with idiopathic pulmonary fibrosis (IPF): Pooled analysis from 3 pivotal studies
Steven Nathan (Falls Church, United States of America), Steven Nathan, Carlo Albera, Ulrich Costabel, Gian Gaspole, Marilyn Glassberg, Lisa Lancaster, David Lederer, Carlos Pereira, Jeffrey Swigris, Andrey Pavlov, John Stauffer, Bann-Mo Day, Willis Chou, Athol Wells

Correlation between change in lung density and lung function parameters in treated alpha-1 protease inhibitor (A-1PI) deficiency
Helmut Teschler (ESSEN, Germany), Helmut Teschler, Niels Seersholm, Kenneth R. Chapman, Marion Wencker, Michael Fries, Oliver Vit, N. Gerard McElvaney

Increased proportion of slow decliners in patients with alpha-1 protease inhibitor (A-1PI) deficiency following treatment with A-1PI
Noel Gerard McElvaney (Dublin, Ireland), Noel Gerard McElvaney, Niels Seersholm, Kenneth R. Chapman, Marion Wencker, Michael Fries, Oliver Vit

Effectiveness of rituximab (RTX) therapy in recurrent granulomatosis with polyangiitis (GPA)
Darush Gavryluk (Warsaw, Poland), Darush Gavryluk, Justyna Fijolek, Elzbieta Wiatr

Combination of pentoxifylline and vitamin E for the treatment of sarcoidosis: Retrospective analysis
Alexander Vizel (Kazan, Republic of Tatarstan, Russian Federation), Alexander Vizel, Irina Vizel

LSC Abstract – Transcriptomic profiling of macrophages isolated from human non-small cell lung carcinoma (NSCLC) reveals novel macrophage subsets with distinct tumour response features
Eva Maria Garrido-Martin (Southampton, United Kingdom), Eva Maria Garrido-Martin, Rocio Martinez-Nunez, Toby Mellows, Christian H. Ottensmeier, Pandurangan Vijayanand, Tilman Sanchez-Elsner

Regulatory vs. cytotoxic cells in lymph nodes of lung cancer patients resected by TELMA
Joanna Domaga-Kulawik (Warsaw, Poland), Joanna Domagala-Kulawik, Iwona Osinska, Dominika Wolosz, Monika Pasieka-Lis, Juliusz Pankowski

Microscopic vessel invasion and visceral pleural invasion are correlated with EMT, cancer stemness and resistance to therapy in lung adenocarcinoma
Shinya Neri (Kashiwa, Japan), Shinya Neri, Toshi Menju, Akihiko Yoshizawa, Terumasa Sowa, Hideki Motoyama, Kyoko Hijiya, Toyofumi Chen-Yoshikawa, Akihiro Aoyama, Toshihiko Sato, Makoto Sonobe, Hiroshi Date

The prognostic influence of tumor infiltrating M1 and M2 phenotype macrophages in resected non-small cell lung cancer
Jurgita Jackute (Kaunas, Lithuania), Jurgita Jackute, Marius Zemaitis, Darius Pranys, Brigita Sitkauskiene, Skaidrius Miliauskas, Raimundas Sakalauskas

Lymphocyte profile in the BALF from affected lung in comparison to healthy lung and systemic inflammation in lung cancer
Joanna Domaga-Kulawik (Warsaw, Poland), Iwona Osinska, Anna Stelmasczyk-Emmel, Małgorzata Polubiec-Kownacka, Dariusz Dziedzic, Joanna Domagala-Kulawik

Anti-cancer effects of bevacizumab and cisplatin on cancer cell invaded human ex-vivo lung tissue
Sebastian Konzok (Hannover, Germany), Sebastian Konzok, Susann Dehmel, Peter Braubach, Danny Jonigk, Olaf Pfennig, Hans-Gerd Fieguth, Armin Braun, Katherina Sewald

LATE-BREAKING ABSTRACT: Network-based meta-analysis of lung, sputum and blood transcriptomics in COPD
Rosa Faner Canet (Barcelona, Spain), Maria Rosa Faner Canet, Jarrett Morrow, Guillaume Noell, Alejandra Lopez-Giraldo, Tamara Cruz, Ruth Tal-Singer, Bruce E. Miller, Roberto Rodriguez-Roisin, Ed K. Silverman, Alvar Agusti, Craig P. Hersh
**OA1777**

**LSC Abstract - Global gene expression analysis of the mucociliary differentiation process of human bronchial epithelial cells at the air-liquid interface**

Jeremy Parker (London, United Kingdom), Jeremy Parker, Stefan Piatek, William Cookson, Miriam Moffatt

**OA1778**

**LSC Abstract - Non-canonical WNT signaling is mediated by extracellular vesicles in pulmonary fibrosis**

Aina Martin (Munich, Germany), Aina Martin, Sarah Vierkotten, Thomas Hofer, Marion Frankenberger, Jürgen Behr, Michaela Aichler, Axel Walsh, Melanie Königshoff

**OA1779**

**FKBP5 a candidate for corticosteroid insensitivity in COPD**

Alen Faiz (Groningen, Netherlands), Alen Faiz, Dirkje S. Postma, Gerard H. Koppelman, Pieter S. Hiemstra, Peter J. Sterk, Wim Timens, Katrina Steiling, Avrum Spira, Irene H. Heijink, Maarten van den Berge

**OA1780**

**LSC Abstract - Epigenome-wide mapping of histone modification landscape in human pulmonary arterial hypertension**

Prakash Chelladurai (Bad Nauheim, Germany), Prakash Chelladurai, Swati Dabral, Carsten Künne, Shobha Rani Basineni, Mario Schmoranzer, Christine Weber, René Reiner Nötzold, Florian Finkernagel, Mario Looso, Werner Seeger, Uta-Maria Bauer, Soni Savai Pullamsetti

**OA1781**

**Determining genomic rearrangements in clinical lung specimens for assessment of metastatic disease, actionable targets and disease monitoring**

Stephen Murphy (Rochester, United States of America), Stephen Murphy, Faye Harris, Giannoula Karagouga, Dennis Wigle, George Vasmatzis, Marie Christine Aubry

**OA1782**

**Quantitative detection of ALK rearrangements using droplet digital PCR (ddPCR) in liquid biopsies of patients with non-small cell lung cancer (NSCLC)**

Aurélie Swalduz (Lyon, France), Aurélie Swalduz, Laurent Alberti, Valérie Combaret, Sandra Ortiz Cuaran, Sylvie Lantujoul, Juliette Rousselle, Agnès Lancon, Séverine Martinez, Véronique Haddad, Dominique Arpin, Jaoualiouli Zouheir, Maurice Pérol, Pierre Saintigny

**OA1783**

**LSC Abstract - Host-environmental IL-1b drives mutant KRAS-IKKa addiction in malignant pleural effusion**

Malamati Vreka (Munich, Germany), Antonia Marazioti, Malamati Vreka, Anastasios Giannou, Nikolaos Kanellakis, Magda Spella, Theodora Agalioti, Ioanna Giopanou, Georgios Stathopoulos

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**Room D**

Session 330 08:30 - 10:30

**Oral Presentation: Clinical and microbiological aspects of infections in COPD patients**

**Chairs:** Tobias Welte (Hannover, Germany), Aran Singanayagam (London, United Kingdom)

**OA1784**

**Airway glucose in COPD exacerbations**

Patrick Mallia (London, United Kingdom), Jessica Webber, John Tregonning, Maria-Belen Trujillo-Torralbo, Maria Calderazzo, Richard Hewitt, Hugo Farne, Joseph Footitt, Phillip Molyneaux, Sebastian Johnston, Patrick Mallia

**OA1785**

**Can neutrophil to lymphocyte ratio be used as infection marker in COPD patients with chronic respiratory failure**

Eylem Acarturk Tuncay (Istanbul, Turkey), Eylem Acarturk Tuncay, Emine Aksoy, Cuneyt Salturk, Sinem Gunor, Nezihe Ciftaslan Koksenoglu, Dilek Yavuz, Ozlem Yazicioglu Mocin, Gokay Gunor, Nalan Adiguzel, Zuhal Karakurt

**OA1786**

**High summer temperatures induce more admissions due to AECOPD in urban hospitals**

Christian Witt (Berlin, Germany), Jana Bahati Heinsohn, Melissa Jahn, Vanessa Dostal, Marc Hanisch, André Jean Schubert, Wulf Pankow, Christian Witt

**OA1787**

**Profilling the COPD airway microbiome using quantitative culture and 16S rRNA gene sequencing**

Simon Brill (London, United Kingdom), Simon Brill, Phillip James, Leah Cuthbertson, Michael Cox, William Cookson, Jadwiga Wedzicha, Miriam Moffatt

**OA1788**

**Quantitative analysis of potentially pathogenic microbes (PPM s) in the induced sputum of non-smoker COPD (NS-COPD) subjects**

Amit Agarwal (Pune, India), Baisakhi Ghosh, Amit Agarwal, Akshay Gaikar, Shrikant Bhute, Shreyas Kumbhare, Kanchan Pyasi, Bill Brasheer, Yogesh Shaucha, Sundeeep Salvi, Peter Barnes, Louise Donnelly

**OA1789**

**Bacterial infection in hospitalized patients of acute exacerbation of COPD and their relation to lung function: A prospective study**

Ashok Kuwals (Jodhpur, Rajasthan, India), Ashok Kuwals, Vinod Joshi

**OA1790**

**Specific immune response against pseudomonas aeruginosa and haemophilus influenzae in severe COPD**

LARA MILLARES COSTAS (Badalona, Spain), Laura Millares Costas, Sara Martí, Carmen Ardanuy, Josefina Liñares, Salud Santos, Jordi Dorca, Marian Garcia, Eduard Monsó

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**Room M**

Session 331 08:30 - 10:30

**Oral Presentation: Asthma: from basic mechanisms to novel therapeutic perspectives**
**OA4832**

**Late-Breaking Abstract: Benralizumab provides significant improvements for patients with severe, uncontrolled asthma: SIROCCO Phase III results**

Eugene R. Bleecker (Winston-Salem, United States of America), Eugene Bleecker, J. Mark FitzGerald, Pascal Chanez, Alberto Papi, Steve Weinstein, Peter Barker, Stephanie Sproule, Geoffrey Gilmartin, Magnus Aurivillius, Viktoria Werkström, Mitchell Goldman

**OA1792**

**The TRPV4 ion channel plays a key role in allergic asthma**

Mark Birrell (London, United Kingdom), Mark Birrell, Sara J. Bonvini, Katie E. Baker, Bilel Dekkak, Montse Miralpeix, Gema Tarrason, Maria G. Belvisi

**OA1793**

**Cluster analysis on longitudinal data of patients with adult-onset asthma**

Pinja Ilmarinen (Seinäjoki, Finland), Pinja Ilmarinen, Leena E. Tuomisto, Onni Niemelä, Minna Tammola, Jussi Haanpää, Hannu Kankaanranta

**OA1794**

**Long-term effects of bronchial thermoplasty on airway smooth muscle and collagen deposition in severe asthma**

Jamila Chakir (Québec, QC, Canada), Jamila Chakir, Ihklass Haj Salem, Louis-Philippe Boulet, Sabrina Biardel, Noel Lampron, Simon Martel, Michel Laviolette

**OA1795**

**Use of β-blockers and the risk of asthma exacerbations**

Katia MC Verhamme (Rotterdam, Netherlands), Katia M.C. Verhamme, Ulrike Goditiabois, Marjolein Engelkes, Miriam Sturkenboom, Bruno Stricker, Guy Brusselle

**OA1796**

**Dipeptidyl peptidase-4 (DPP-4) may predict response to tralokinumab in patients with asthma**

Koustubh Ranade (Potomac, United States of America), Koustubh Ranade, Michael Kuziora, Tuyet-Hang Pham, Gautam Damera, Philip Z. Brohawn, Fernanda Pilataxi, Katie Streicher, Scott Martinez, Inna Vainshtein, Meina Liang, Dewei She, Edward Piper, Christopher E. Brightling, Richard Martin

**OA1797**

**Reslizumab (RES) in patients (pts) with inadequately controlled asthma and elevated blood eosinophils (EOS): Analysis of two phase 3, placebo-controlled trials**

Johann Christian Virchow (Rostock, Germany), Johann Christian Virchow, James Zangrilli, Sivan Weiss, Stephanie Korn

**OA1798**

**Dupilumab reduces severe exacerbations in periostin-high and periostin-low asthma patients**

Sally Wenzel (Pittsburgh, United States of America), Sally Wenzel, Brian Swanson, Ariel Teper, Jennifer Hamilton, Kenji Izuhara, Shooicho Ohta, Junya Ono, Hongjie Zhu, Bingzhi Zhang, Heribert Staudinger, Neil M.H. Graham, Giulia Pirozzi

**Session 332**

**Oral Presentation: Cardiovascular and metabolic pathophysiology and outcomes of obstructive sleep apnoea**

**Chairs:** Isaac Almendros (Hospital de Llobregat (Barcelona), Spain), Maria Bonsignore (Palermo, Italy)

**OA1799**

**Late-Breaking Abstract: The Sleep Apnea Cardiovascular Endpoints (SAVE) study results - A trial of CPAP versus usual care in 2717 high cardiovascular risk patients with moderate-severe obstructive sleep apnea (OSA)**

R Douglas McEvoy (Daw Park, Australia), R. Douglas McEvoy, Nick Antic, Emma Heeley, Yuanming Luo, Olga Mediano, Nigel Mc Ardle, Manjari Tripathi, Geraldo Lorenzi-Filho, Nanshan Zhong, Craig S. Anderson

**OA1800**

**JAG1 gene polymorphism is related to systemic blood pressure in patients with obstructive sleep apnoea**

Ivana Paranicová (Košice, Slovakia), Ivana Paranicová, Viera Habalova, Pavol Joppa, Lucia Klímcová, Ivana Trojova, Jozef Zidzik, Ivan Tkac, Ruzena Tkacova

**OA1801**

**Leptin signals in the carotid body to up-regulate the hypoxic chemoreflex and induce hypertension**

Vsevolod Y. Polotsky (Baltimore, United States of America), Vsevolod Y. Polotsky, Mi-kyung Shin, Candela Caballero, Machiko Shirahata, Wan-Yee Tang, James Sham

**OA1802**

**Is IGF-1 a marker of cardio-metabolic risk in sleep apnea syndrome (SAS)?**

Louis-Marie Galerneau (GRENOBLE, France), Louis-Marie Galerneau, Jean-Louis Pépin, Anne-Laure Borel, Olivier Chabre, Marc Sapene, Bruno Stach, Janie Girey-Rannaud, Renaud Tamisier, Philippe Caron

**OA1803**

**Arterial stiffness in obstructive sleep apnea: An individual meta-analysis of contributing factors**

Renaud Tamisier (GRENOBLE, France), Renaud Tamisier, Jean Christian Borel, Sandrine Millasseau, Louis-Marie Galerneau, Marie Destors, Marion Perrin, Jean Louis Pépin

**OA1804**

**Longitudinal association between sleep disordered breathing and peripheral artery disease in the Wisconsin sleep cohort**

Javier Nieto (Madison, United States of America), Javier Nieto, Jodi Barnet, Erika Hagen, Amanda Rasmuson, Paul Peppard
**Effect of continuous positive airway pressure on blood pressure and the metabolic profile of women with obstructive sleep apnoea. A randomized-controlled trial**


**Effect of positive airway pressure on diastolic function in coronary artery disease patients with non-sleepy obstructive sleep apnea**

Yüksel Peker (Istanbul, Turkey), Yüksel Peker, Helena Glantz, Erik Thunström, Cecilia Wallentin Guron, Harun Uzel, Mustafa Saygin, Johan Herlitz, Magnus Johansson

**LATE-BREAKING ABSTRACT: Simtuzumab in idiopathic pulmonary fibrosis: Results of a randomized clinical trial**

Ganesh Raghu (Seattle, United States of America), Ganesh Raghu, Kevin Brown, Harold Collard, David Lederer, Fernando Martinez, Paul Noble, Jin Woo Song, Athol Wells, Timothy Whelan, Emmanuel Moreau, Scott Patterson, Selina Bayly, Jason Chien, Jennifer Zhang, Thomas O’Riordan

**Long-term safety of pirfenidone (PFD) in patients with idiopathic pulmonary fibrosis (IPF): Pooled analysis of 4 clinical trials**

Paul Noble (Los Angeles, United States of America), Paul Noble, Carlo Albera, Lisa Lancaster, Phillip Hormel, Henry Hulter, Ulrich Costabel

**Benefit of treatment with pirfenidone (PFD) persists over time in patients with idiopathic pulmonary fibrosis (IPF) with limited lung function impairment**

Paul Noble (Los Angeles, United States of America), Paul Noble, Carlo Albera, Klaus-Uwe Kirchgaessler, Frank Gilberg, Ute Petzinger, Ulrich Costabel

**Annual rate of FVC decline in patients with IPF treated with pirfenidone: Pooled analysis from 3 pivotal studies**

Marilyn K. Glassberg (Miami, United States of America), Paul Noble, Carlo Albera, Willis Chou, Ulrich Costabel, Bann-mo Day, Ian Glaspole, Marilyn Glassberg, Lisa Lancaster, David Lederer, Steven Nathan, Carlos Pereira, John Stauffer, Jeffrey Swigris

**Effect of baseline composite physiologic index on benefit of nintedanib in IPF**

Athol Wells (London, United Kingdom), Athol Wells, Jürgen Behr, Wibke Stansen, Susanne Stowasser, Toby Maher

**Final analysis of RECAP, an open-label extension study of pirfenidone in patients with idiopathic pulmonary fibrosis (IPF)**

Ulrich Costabel (ESSEN, Germany), Ulrich Costabel, Carlo Albera, Lisa Lancaster, Phillip Hormel, Henry Hulter, Paul Noble

**Analysis of patients with idiopathic pulmonary fibrosis (IPF) with percent predicted forced vital capacity (FVC)<50% treated with pirfenidone (PFD) in RECAP**

Ulrich Costabel (ESSEN, Germany), Ulrich Costabel, Carlo Albera, Klaus-Uwe Kirchgaessler, Frank Gilberg, Ute Petzinger, Paul Noble

**Twenty-four week decline in forced vital capacity predicts mortality at week 52 in the INPULSIS® trials**

Luca Richeldi (Southampton, United Kingdom), Luca Richeldi, Arata Azuma, Moisés Selman, Wenbo Tang, Jorge Capapey, Susanne Stowasser, Vincent Cottin
### Poster Discussion: Assessing lower airway inflammation with different tools

**Chairs**: Petros Bakakos (ATHENS, Greece), Florence Schleich (Liège, Belgium)

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<td>PA1817</td>
<td>Deficiency of immunoproteasome subunit LMP2 increases alternative polarization of alveolar macrophages</td>
<td>Ilona Kammerl (Munich, Germany), Ilona Kammerl, Shanze Chen, Martin Irmler, Johannes Beckers, Oliver Eickelberg, Silke Meiners, Tobias Stöger</td>
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<td>PA1818</td>
<td>Antiinflammatory properties of PAH drugs</td>
<td>Kathrin Watzinger (Innsbruck, Austria), Kathrin Watzinger, Ivan Tancevski, Thomas Sonnweber, Judith Löffler-Ragg</td>
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<td>PA1819</td>
<td>Aberrant airway epithelial differentiation resulting from cigarette smoke exposure leads to loss of constitutive antimicrobial peptide and protein (AMP) expression</td>
<td>Pieter S. Hiemstra (Leiden, Netherlands), Pieter S. Hiemstra, Giman D. Amatngalim, Jasmijn A. Schrumpf, Fernanda Dishchekien, Timo C.J. Mertens, Dennis K. Ninnenaber, Christian Taube, Anne M. van der Does</td>
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<td>PA1820</td>
<td>Over expression of endothelin-1 (ET-1) in lung fibroblasts (LFb) from patients with pulmonary arterial hypertension (PAH), evidence for loss of inhibitory control</td>
<td>Kurt Racke (BONN, Germany), Kurt Racke, Margarita Fuhrmann, Uwe R. Juergens, Soni Pulamsetti, Werner Seeger</td>
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<td>PA1821</td>
<td>Airway inflammation in COPD after long-term withdrawal of inhaled corticosteroids</td>
<td>Lisette I.Z. Kunz (Amsterdam, Netherlands), Lisette I.Z. Kunz, Nick H.T. Ten Hacken, Therese S. Lapperre, Wim Timens, Huib A.M. Kerkjans, Annemarie van Schadewijk, Judith M. Vonk, Jacob K. Sont, Jiska B. Snoeck-Stroband, Dirkje S. Postma, Peter J. Sterk, Pieter S. Hiemstra</td>
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<td>PA1822</td>
<td>Identification of Ki67 'monocytic' cells within the lungs</td>
<td>Arjun Ravi (Greater Manchester, United Kingdom), Arjun Ravi, Sarah Mason, Simon Lea, Umme Kolsum, George Booth, Jorgen Vestbo, Dave Singh</td>
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<td>PA1823</td>
<td>Role of C D69 in the pathogenesis of elastase-induced pulmonary inflammation and emphysema</td>
<td>Tetsuo Fujita (Chiba, Japan), Tetsuo Fujita, Kento Yoshioka, Hiroki Umezawa, Kensuke Tanaka, Yusuke Naito, Masahiko Katano, Toshimori Nakayama, Koichiro Tatsumi, Yositoshi Kasuya</td>
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<td>PA1825</td>
<td>Telomere shortening in type II pneumocytes relates to idiopathic pulmonary fibrosis</td>
<td>Aernoud van Batenburg (Nieuwegein, Netherlands), Aernoud van Batenburg, Reinier Snelselaar, Roel Goldschmeding, Jan Grutters, Karin Kazemier, Coline van Moorsel</td>
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<td>PA1826</td>
<td>Eosinophil-induced airway smooth muscle cells remodeling is attenuated by blocking of RGD-binding integrins in asthma</td>
<td>Andrius Januskevicius (Kaunas, Lithuania), Andrius Januskevicius, Simona Lavinskiene, Reinoud Gensens, Ieva Janulaityte, Deimante Hoppenot, Laura Tamasauskiene, Virginija Kalinauskaite-Zuakuske, Raimundas Sakalauskas, Kestutis Malakauskas</td>
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<td>PA1827</td>
<td>Neutrophil vascular endothelial growth factor (VEGF) as a driving force for angiogenesis in bronchiectasis?</td>
<td>Christopher Cole (Middlesbrough, United Kingdom), Christopher Cole, Sonya Carnell, Kasim Jiwa, Jodie Birch, Katy Hester, Chris Ward, John Simpson, Anthony De Soyza</td>
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<td>PA1828</td>
<td>Targeting ASK1 in preventing airway smooth muscle growth: Implications for airway remodeling in COPD</td>
<td>Pawan Sharma (Glebe, Australia), Dia Xenaki, Deepak Deshpande, Brian Oliver, Pawan Sharma</td>
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<td>PA1829</td>
<td>Thymic stromal lymphopoietin (TSLP) in naturally occurring asthma exacerbations in adults</td>
<td>Asger Bjergaard (HILLERØD, Denmark), Asger Bjergaard, Svetlana Baltic, Lucy Barrett, Phillip Thompson, Vibeke Backer, Markus Fally, Ingrid Laing, Siew-Kim Khoo, Peter Le Souëf, Celeste Porsbjerg</td>
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<td>PA1830</td>
<td>The appearance and distribution of inflammatory, anti-inflammatory and regulatory interleukins in relatively healthy lung tissue</td>
<td>Zane Vitenberga (Riga, Latvia), Zane Vitenberga, Mara Pilmane</td>
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<td>PA1831</td>
<td>IL-23 is essential to the development of elastase-induced pulmonary inflammation and emphysema</td>
<td>Utako Fujii (Okahama, Japan), Utako Fujii, Nobuaki Miyahara, Akihiko Taniguchi, Daisuke Morichika, Naohiro Oda, Koichi Waseda, Etsuko Kurimoto, Mikio Kataoka, Akihiko Yoshiumura, Arihiko Kanehiri, Mitsune Tanimoto</td>
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PA1832  Safety of sputum monitoring in a severe asthma population - The Manchester severe asthma team experience
Gael Tavernier (Manchester, United Kingdom), Gael Tavernier, Stephen Fowler, Leanne Holmes, Dorothy Ryan, Robert Niven

PA1833  An electronic nose can sniff out amyotrophic lateral sclerosis
Silvano Dragonieri (Bari, Italy), Silvano Dragonieri, Vitaliano Quaranta, Pierluigi Carratu, Lorenzo Marra, Teresa Ranieri, Giuseppina D’Alba, Onofrio Resta

PA1834  Exhaled breath analysis for identifying eosinophilic and neutrophilic inflammation in a mixed population of patients with asthma or COPD
Rianne de Vries (Amersfoort, Netherlands), Rianne de Vries, Paul Brinkman, Yennece W. Dagelet, Erica Dijkers, Frans H.C. de Jongh, Peter J. Sterk

PA1835  Determinants of exhaled particles of a standardized breathing maneuver
Annika Claesson (Gothenburg, Sweden), Annika Claesson, Björn Bake, Evert Ljungström, Matthias Holm, Anna-Carin Olin

PA1836  Inflammatory response to the exposure with ultra-fine particles and ozone
Olaf Holz (HANNOVER, Germany), Olaf Holz, Karsten Heusser, Arne Gaida, Maria Allers, Stefan Zimmermann, Meiike Müller, Sven Schuchardt, Christoph Schindler, Jens Tank, Jens Jordan, Jens M. Hohlfeld

PA1837  Early and late effect of acute bronchodilation on exhaled nitric oxide in asthma
Lucas Demey (bruxelles, Belgium), Lucas Demey, Alain Van Muylem, Alain Michils

PA1838  The use of bronchoalveolar lavage (BAL) to assess lower airways inflammation in asthma
Clair Barber (Southampton, United Kingdom), Clair Barber, Laurie Lau, Jon Ward, Kamran Tariq, Kerry Gove, Hitasha Rupani, Paddy Dennison, Arijana Sivaloganathan, Karl J. Staples, Peter H. Howarth

PA1839  Concentration of exhaled endogenous particles in relation to peripheral airway dysfunction
Emilia Viklund (Gothenburg, Sweden), Emilia Viklund, Per Gustafsson, Sanna Kjellberg, Jeong-Lim Kim, Anna-Carin Olin

PA1840  Identification of exhaled volatile organic compounds (VOCs) associated with loss of asthma control
Paul Brinkman (Amsterdam, Netherlands), Paul Brinkman, Niki Fens, Marianne A. van de Pol, Peter J. Sterk, Anirban Sinha

PA1841  The effect of chlorine exposure on Exhaled Nitric Oxide in asthmatic children attending indoor swimming pool
Sotiria Peletidou (Kozani, Greece), Sotiria Peletidou, George Vavougios, Vasileios Stavrout, Eleni Karetsi, Konstantinos Gourgoulianis, Zoe Daniil

PA1842  Relevance of laser spectroscopy OF-CEAS (optical feedback cavity enhanced absorption spectroscopy), for the measurement of carbon monoxide in healthy volunteers
Vivien Brenckmann (Corenc, France), Vivien Brenckmann, Irene Ventrillard, Raphael Briot

PA1843  E-nose discriminative ability within a highly homogeneous sample of respiratory diseases
Simone Scarlata (Rome, Italy), Simone Scarlata, Giorgio Pennazza, Marco Santonico, Simona Santangelo, Chiara Vernile, Antonio De Vincentis, Raffaele Antonelli Incalzi

PA1844  Diagnostic value of FeNO in COPD and asthma - COPD overlap syndrome
Bvin Krishnan (Trivandrum, India), Binu Krishnan, S. Priya

PA1845  Utility of fractional exhaled nitric oxide (FeNO) in assessing asthma control following inhaled corticosteroid treatment
Anant Mohan (New Delhi, India), Anant Mohan, V. Kavitha, Karan Madan, Vijay Hadda, Randeep Guleria, G.C. Khilnani

PA1846  Rapid and portable MBW measurements for clinical application of LCI in routine clinics
Alex Horsley (Manchester, United Kingdom), Alex Horsley, Anirban Maitra, Anna Shawcross, Francis Gilchrist, Steve Cunningham, Andrew Jones, Christina Dale, Jaylne Smith

PA1847  Two sites of airway obstruction identified by post-bronchodilation change of exhaled nitric oxide in COPD patients
Silvia Perez Bogerd (BRUXELLES, Belgium), Silvia Perez Bogerd, Alain Michils, Andrei Malinovschi, Alain Van Muylem

PA1848  Impact of standardized physical exertion on oxidative stress biomarkers in exhaled breath condensate of patients suffering from severe chronic obstructive pulmonary disease - The PHAETON project
Vratislav Sedlák (Hradec Králové 9, Czech Republic), Vratislav Sedlák, Petr Kacer, Vladimir Koblízek, Katerina Neumannová, Jaromír Zatloukal, Marek Plutinský, Lukáš Jakubec, Štepánka Vlková

Room ICC Capital Suite 7  Session 336  08:30 - 10:30
Poster Discussion: Endoscopic lung volume reduction II
Chairs: Maren Schuhmann (Heidelberg, Germany), Peter I. Bonta (Amsterdam, Netherlands)
Targeted segmental volume reduction with vapor ablation in emphysema results in reduced RV and clinically meaningful improvement (CMI) in FEV₁


Volume changes after segmental vapor ablation and associated improvements in FEV₁


Bronchoscopic lung volume reduction with silver nitrate in patients with emphysema

Mohammad Khairy El Badraway (El Mansaura, Egypt), Mohammed Elhanafy, Mohammed El Badraway, Raed El Metwally, Amr Abdelhameed, Adel El Badrawy

Endoscopic lung volume reduction in low FEV₁ patients

Kaid Darwiche (Essen, Germany), Kaid Darwiche, Rüdiger Karpf-Wissel, Stephan Eisenmann, Lea Pieper, Filiz Özkan, Lutz Freitag

Targeted vapor ablation as a new method for endoscopic lung volume reduction at segmental level

Kaid Darwiche (Essen, Germany), Kaid Darwiche, Wolfgang Gesierich

Segmental lung volume reduction (LVR) with vapor better targets disease heterogeneity as compared to lobar LVR

Wolfgang Gesierich (Gauting, Germany), Wolfgang Gesierich, Uta Liebers, Manfred Wagner, Joachim H. Ficker, Christian Grah, Greg Snell

Bleeding complications after endoscopic lung volume reduction coil treatment: A retrospective observational study

Marcel Simon (Hamburg, Germany), Marcel Simon, Harald Ittrich, Lars Harbaum, Tim Oqueka, Stefan Kluge, Hans Klose

Survival benefit from successful bronchoscopic lung volume reduction with endobronchial valves - A 10 year follow up study

Nick Hopkinson (LONDON, United Kingdom), Nick Hopkinson, Samuel Kemp, Tudor Toma, David Hansell, Pallav Shah, Michael Polkey

A single center experience with lung volume reduction coil (LVR-coil) treatment of patients with advanced emphysema. Effectiveness and complications after 1 year

Konstantina Kontogianni (Heidelberg, Germany), Konstantina Kontogianni, Vasiliki Gerovasili, Maren Schuhmann, Daniela Gompelmann, Claus Peter Heußel, Hans Hoffmann, Felix Herth, Ralf Eberhardt

The minimal important difference for target lobe volume reduction following endoscopic valve therapy in patients with advanced emphysema

Daniela Gompelmann (Heidelberg, Germany), Daniela Gompelmann, Ralf Eberhardt, Claus-Peter Heussel, Maren Schuhmann, Konstantina Kontogianni, Felix J.F. Herth

A comparison of the effects of endobronchial valve and coil treatments used in emphysema on respiratory functions and quality of life

Yavuz Selim Intepe (Yozgat-Merkez, Turkey), Yavuz Selim Intepe, Bayram Metin, Mahmut Kilic, Eylem Yildirim, Erdogan Çetinkaya

Comparison of software based CT fissure analyses and endobronchial in-vivo measurements for detection of collateral ventilation for endoscopic lung volume reduction

Dominik Herzog (Berlin, Germany), Dominik Herzog, Eva M. Van Rikxoort, Christian Thomsen, Tamar Zhamurashvili, Felix Doellinger, Dorothea Theilig, Bettina Temmesfeld-Wollbruck, Stefan Hippenstiel, Norbert Suttorp, Ralf-Harto Hübler

Endoscopic lung volume reduction (ELVR) in COPD: Changes in lung mechanics with ELVR using the forced oscillation technique (FOT)

Kelvin Hsu (Strathfield, Australia), Kelvin Hsu, Claude S. Farah, Jonathan P. Williamson, Matthew J. Peters, Alvin J. Ing

The sequential intrabronchial valve implantation as the treatment option for severe heterogeneous emphysema

Maciej Gnass (Cracow, Poland), Piotr Kocon, Maciej Gnass, Artur Szubowski, Anna Soczek, Tomasz Smeder, Piotr Talar, Jerzy Soja, Jaroslaw Kudzal

Pseudomonas aeruginosa - associated COPD exacerbations after endoscopic endobronchial valve implantation

Izabela Tuleta (Bonn, Germany), Izabela Tuleta, Carmen Pizarro, Ernst Molitor, Glen Kristiansen, Georg Nickenig, Uwe Juergens, Dirk Skowasch

Outcome after interventional lung volume reduction with coils (LVRC) dependent from the initial clinical presentation

Harald Trautmann (Bremerhaven, Germany), Harald Trautmann, Natalia Golowtschenko, Katrin Klein, Frauke Paulus, Baumann Hans Jörg
Bronchoscopic treatment of bronchopleural fistulae with silver nitrate
Mohammad Khairy El Badrawy (El Mansaura, Egypt), Mohammed Elhanafy, Mohammed El Badrawy, Raed El Metwally, Amr Abdelhameed

Room ICC Capital Suite 8  Session 337  08:30 - 10:30
Poster Discussion: Pulmonary hypertension: the clinic I
Chairs: Marius M. Hoeper (Hannover, Germany), John Wort (Hampton, United Kingdom)

PA1868  Assessment of platelet dysfunction in patients with pulmonary arterial hypertension
Iraklis Tsagkaris (Athens, Greece), Eleni Vrigkou, Argiris Tsantes, Stefanos Bonovas, Anastasia Anthi, Dimitris Konstantonis, Athanasios Pappas, Cornelia Mitratou, Stelios Orfanos, Apostolos Armanagidis, Iraklis Tsagkaris

PA1869  Native myocardial T1 correlates with right ventricular remodelling in patients with pulmonary hypertension
Laura Saunders (Hope Valley, United Kingdom), Laura Hutchison, Neil Stewart, Charlotte Hammerton, David Capener, Valentina Puntmann, Kiely David, Wild Jim, Swift Andy

PA1870  Management of selexipag interruptions in the GRIPHON study
Ioana R Preston (Boston, United States of America), Ioana Preston, Kelly Chin, Lilla Di Scala, Harrison Farber, Sean Gaine, Nazzareno Galiè, Hossein-Ardeschir Ghofrani, Marius M. Hoeper, Irene Lang, Vallerie McLaughlin, Ralph Preiss, Lewis J. Rubin, Gérald Simonneau, Olivier Sitbon, Victor F Tapson, Richard Channick

PA1871  Dysregulation of iron homeostasis in Eisenmenger syndrome: comparison to idiopathic pulmonary arterial hypertension and healthy controls
Sharon Mumby (London, United Kingdom), Sharon Mumby, Latha Ramakrishnan, Aleksander Kempny, Gregory Quinlan, John Wort

PA1872  Cardiac involvement in undifferentiated connective tissue disease at risk for systemic sclerosis. A tissue doppler imaging study
Michele D’Alto (Naples, Italy), Michele D’alto, Paola Argiento, Giovanni Maria De Matteis, Antonella Marcoccia, Anna Correra, Emanuele Romeo, Giovanni Maria Di Marco, Rosaria Irace, Antonella Riccardi, Maria Giovanna Russo, Gabriele Valentini

PA1873  Echocardiography for the diagnosis of pulmonary vascular disease
Michele D’Alto (Naples, Italy), Michele D’alto, Emanuele Romeo, Paola Argiento, Adriana Pavelescu, Giovanni Maria Di Marco, Agostino Mattera Iacono, Anna Correra, Maria Giovanna Russo, Robert Naeije

PA1874  Right ventricular MRI characteristics in patients with borderline pulmonary hypertension
Kieran Shotton (Sheffield, United Kingdom), Kieran Shotton, Henry Walker, Christopher Johns, Dave Capener, Charlie Elliot, Robin Condiffe, Thanos Charalampopoulos, David Kiely, Jim Wild, Andrew Swift

PA1875  Echocardiography for defining the right ventricular contractile reserve in healthy subjects
Michele D’Alto (Naples, Italy), Michele D’alto, Adriana Pavelescu, Emanuele Romeo, Paola Argiento, Giovanni Maria Di Marco, Anna Correra, Agostino Mattera Iacono, Maria Giovanna Russo, Robert Naeije

PA1876  Vasoreactivity to inhaled nitric oxide does not predict long term survival in pulmonary arterial hypertension
Geeshath Jayasekera (Glasgow, United Kingdom), Geeshath Jayasekera, Martin Johnson, Colin Church, Andrew Peacock

PA1877  Role of tadalafil in patients with hypoxia / lung disease induced (group 3) pulmonary hypertension
Suraj K. Puthiyaveettil (Kozhikode (Kerala), India), Suraj Puthiyaveettil, Jyothi Edakalavan

PA1878  Dexamethasone reduces pulmonary artery pressure in lowlanders with COPD travelling to 3200m. A randomized, placebo-controlled trial
Mona Lichtblau (Heidelberg, Germany), Mona Lichtblau, Michael Furian, Sayaka Aeschbacher, Maya Bisang, Sara Hartmann, Stefanie Ulrich, Tsogyal Latshang, Almaz Aldashev, Erkin Mirrakhimov, Talant Soronbaev, Konrad E. Bloch, Silvia Ulrich

PA1879  Iron deficiency in pulmonary arterial hypertension: A matter of definition!
Thomas Sonnweber (Innsbruck, Austria), Thomas Sonnweber, Eva Rieger, Katharina Cima, Günter Weiss, Judith Löffler-Ragg

PA1880  Inhaled glucocorticosteroid treatment effects on pulmonary artery pressure and cardiac function in healthy smokers
Eliana Mendes (Miami, FL, United States of America), Eliana Mendes, Adam Wanner, Meela Parker, Andreas Schmid, Johana Arana, Barry Hurwitz

PA1881  The OPTIEK1 study: Design and preliminary results of a Dutch national registry
PA1882 MRI derived left atrial volume index predicts treatment response in patients with PAH
Euan Tubman (Sheffield, United Kingdom), Euan Tubman, Tom Sproson, Dave Capener, Robin Condliffe, Charlie Elliot, Athanasios Charalampopolous, David Kiely, Wild Jim, Andy Swift

PA1883 Procedural safety of a fully implantable pump for delivery of intravenous prostanoids in severe pulmonary hypertension: A two-center observational study
Manuel Richter (Bad Nauheim, Germany), Manuel Richter, Ralf Ewert, Christian Warnke, Henning Gall, Simon Classen, Friedrich Grimminger, Eckhard Mayer, Werner Seeger, Ardeschir Ghofrani

PA1884 Cardiopulmonary MRI characteristics can estimate mPAP in COPD
Christopher Johns (Sheffield, United Kingdom), Christopher Johns, Dave Capener, Charlotte Hammerton, Kieran Shotton, Charlie Elliot, Robin Condliffe, David Kiely, Jim Wils, Andrew Swift

PA1885 Clinical manifestation of hereditary pulmonary arterial hypertension by a second hit mutation in the genes BMPR2 and EIF2AK4
Christina Eichstaedt (Heidelberg, Germany), Christina Eichstaedt, Jie Song, Rebecca Rodríguez Viales, Nicola Benjamin, Satenik Harutyunova, Christine Fischer, Katrin Hinderhofer, Ekkehard Grünig

Room ICC Capital Suite Session 338 08:30 - 10:30

Poster Discussion: Measuring physical activity in chronic respiratory disease
Chairs: Rafael Mesquita (Maastricht, Netherlands), Thierry Troosters (Leuven, Belgium)

PA1886 Summer-winter variability of physical activity in daily life: comparison between Brazilian and Belgian patients with COPD
Karina Couto Furlanetto (LONDRA/PR, Brazil), Karina Couto Furlanetto, Heleen Demeyer, Thais Sant’ Anna, Nidia Aparecida Hernandes, Carlos Augusto Camillo, Lorena Paltanin Schneider, Larissa Martinez, Gabriela Nandi, Jessica Fonseca, Miek Honnikx, Annemie Smeets, Rik Gosselinik, Thierry Troosters, Fabio Pitta

PA1887 A comparison of physical activity level and exercise capacity between patients with bronchiectasis and healthy controls
Aslihan Cakmak (ANKARA, Turkey), Aslihan Cakmak, Deniz Inal-Ince, Ozge Ozalp, Cemile Bozdemir-Ozel, Hazal Sonbahar-Ulu, Ebru Calık-Kutukcu, Melda Saglam, Naciye Vardar-Yagli, Ozden Ozkal, Hulya Arikan, Lutfi Coplu

PA1888 Social and environmental determinants of physical activity in patients with chronic obstructive pulmonary disease (COPD)
Elena Gimeno-Santos (BARCELONA, Spain), Elena Gimeno-Santos, Ane Arbillaeta-Etxarri, Ana Barberan-Garcia, Marta Benages-Albert, Marta Benet, Payam Dadvand, Maria Foraster, Alicia Marín, Mònica Monteagudo, Pere Vall-Casas, Jordi Vilaró, Judith Garcia-Aymerich

PA1889 Factors associated with daily life physical activity in Brazilian COPD patients
Rafaela Xavier (São Paulo, Brazil), Rafaela Xavier, Aline Costa Lopes, Ana Carolina Alves Caporali Pereira, Marcio Correa Mancini, Ercy Mara Cipulo Ramos, Rafaela Stelmach, Celso Ricardo Fernandes Carvalho

PA1890 Association of illness perceptions with psycho-demographic factors and physical activity in COPD patients
Rafaela Xavier (São Paulo, Brazil), Rafaela Xavier, Aline Costa Lopes, Ana Carolina Alves Caporali Pereira, Regina Maria Carvalho-Pinto, Frederico Leon Arrabal Fernandes, Samantha L. Harrison, Celso Ricardo Fernandes Carvalho

PA1891 Walk2Bactive: Patients’ perspectives of a physical activity-focused intervention beyond pulmonary rehabilitation in COPD
Joana Cruz (Aveiro, Portugal), Joana Cruz, Dina Brooks, Alda Marques

PA1892 Comparison of daily life physical activity in patients with COPD and asthma COPD overlap syndrome
Rafaela Xavier (São Paulo, Brazil), Rafaela Xavier, Ana Carolina Alves Caporali Pereira, Aline Costa Lopes, Ercy Mara Cipulo Ramos, Marcio Correa Mancini, Alberto Cukier, Celso Ricardo Fernandes Carvalho

PA1893 Predictors of activities of daily living in patients with COPD
Buse Ozcan Kahraman (ZM, R, Turkey), Ismail Ozsoy, Serap Savci, Buse Ozcan Kahraman, Sevgi Ozalevli, Atilla Akkoclu

PA1894 Acceptability and suitability of the use of TracmorD activity monitor in patients with COPD for home coaching - A pilot study
Leandro Mantoani (Edinburgh, United Kingdom), Leandro Mantoani, Rita Priori, Chevone Barretto, Privender Saini, Mareike Klee, Susan McNarry, Susan Mulllen, Brian McKinstry, William MacNee, Roberto Rabinovich
Responsiveness of PROactive instruments to measure physical activity in COPD patients
Judith Garcia Aymerich (BARCELONA, Spain), Judith Garcia Aymerich, Milo Puhan, Corina de Jongh, Heleen Demeyer, Damijan Erzen, Elena Gimeno Santos, Nicholas Hopkinson, Niklas Karlsson, Zafeiris Louvaris, Michael Polkey, Roberto Rabinovich, Solange Rohou, Noah Rubio, Ignasi Serra, Mario Scru, Maggie Tabberer, Thys Van der Molen, Ioannis Vogiatzis, Thierry Troosters

Comparison of physical activity level between duchenne muscular dystrophy and healthy children
Rüstem Mustafaoglu (Istanbul, Turkey), Gamze Baskent, Rengin Demir, Gonca Bektas, Edibe Pembeul Yildiz, Nihal Sakalli, Rustem Mustafaoglu

Comparison of physical activity levels and fatigue severity in young and elderly males with COPD
Elvan Keles (Izmir, Turkey), Elvan Keles, Deniz Bayraktar, Aylin Ozgen Alpaydin, Svegi Ozalevli

Barriers to implementation of the physical activity guidelines in lung cancer
Catherine Granger (Parkville, VIC, Australia), Catherine Granger, Linda Denehy, Louisa Remedios, Selina Parry

Factors influencing participation and adherence to a pulmonary rehabilitation program in patients with COPD: A qualitative study
Fabiano Lima (PRESIDENTE PRUDENTE/SP, Brazil), Fabiano Lima, Giovanna Altéro, Marcia Costa Franco, Rafael Pinto, Ana Paula Freire, Paulo Gomes, Carlos Augusto Camillio, Dionei Ramos, Ercy Mara Ramos

Fatigue, daily living activities, depression and anxiety in patients with asthma
Züleyha Kaya Bingöl (Istanbul, Turkey), Pinar Odevoglu, Goksen Kuran Aslan, Elif Ustun, Buke Barutcu, Züleyha Bingöl

Room ICC Capital Suite 9 Session 339 08:30 - 10:30
Poster Discussion: Rifampicin resistance, MDRTB, and new drug treatments
Chairs: Daniela Maria Cirillo (Milano, MI, Italy), Marieke van der Werf (Stockholm, Sweden)

The global response to rifampicin-resistant tuberculosis: Current situation and recent trends
Dennis Falzon (Genève, Switzerland), Dennis Falzon, Nguyen Linh Nhat, Jaramillo Ernesto, Weyer Karin

Rifampicin-resistant tuberculosis (RR-TB) in eastern Europe
Dennis Falzon (Genève, Switzerland), Dennis Falzon, Andrei Dadu, Arax Hovhannesyan, Matteo Zignol, Masoud Dara

Estimation of XDR-TB in European part of the Russian Federation
Vadim Testov (Fryazino, Moscow Region, Russian Federation), Vadim Testov, Irina Vasilyeva, Vladimir Puzanov, Anastasia Samoilova, Victor Punga

Rifampicin (Rif)-resistant tuberculosis (TB) on GeneXpert in Mumbai, India: How effective is the best derived empiric regimen? 
Jai Mullerpattan (Mumbai (Maharashtra), India), Jai Mullerpattan, Chaitali Nikam, Ujjwal Sharma, Radhika Banka, V. Pratibh Prasad, Camilla Rodrigues, Lancelot Pinto

Interpretation of indeterminate Rif-susceptibility results obtained by rapid molecular diagnostics test
Elmira Gurbanova (BAKU, Azerbaijan), Elmira Gurbanova, Rafail Mehdiiyev, Kai Blondal, Radika Banka, V. Pratibh Prasad, Camilla Rodrigues, Lancelot Pinto

Rapid detection of mycobacterium tuberculosis from MODS culture by PCR
Simona Peter (Iasi, Romania), Simona Peter, Andrei-Tudor Cernomaz, Florin Rusu-Cordunean, Ina-Iuliana Macovei, Ionut Pavel, Radu Zonda, Bogdan-Dragos Grigoriu

MIC and gyrA/B genetic analyses of fluoroquinolones against mycobacterium tuberculosis isolated in Japan
Lina Yi (Kiyose, Japan), Lina Yi, Akio Aono, Kinuyo Chikamatsu, Yuriko Igarashi, Takashi Orito, Kenta Sakashita, Hiroyuki Yamada, Akiko Takaki, Satoshi Maitai

Detection of first and second line drug resistance mutations from multi drug resistant mycobacterium tuberculosis strains by Ion Torrent whole genome sequencing (WGS) 
Ionut Pavel (Iasi, Romania), Ionut Pavel, Ina-Iuliana Macovei, Simona Peters, Daniela Diculencu, Florin Rusu-Cordunean, Bogdan Dragos Grigoriu

Cynthia Chee (Singapore, Singapore), Cynthia Chee, Leo Lim, Li-Yang Hsu, Jeffery Cutter, Yee-Tang Wang

Multidrug-resistant tuberculosis in pregnant women: Treatment and birth outcomes
Andrii Dudnyk (Vinnytsia, Ukraine), Andrii Dudnyk, Olena Pavel’chuk
**Effectiveness and safety of meropenem/clavulanate-containing regimens in the treatment of multidrug-resistant tuberculosis**


**Effectiveness and safety of imipenem/clavulanate- versus meropenem/clavulanate-containing regimens in the treatment of multidrug resistant tuberculosis**


**Opportunities of application of short regimens for MDR-TB at the expense of using intravenous administration of anti-TB drugs during intensive phase**

Aleksey Denysov (Kiev, Ukraine), Aleksey Denysov, Nataliia Lytvynenko, Ganna Varytska, Tetiana Sprymsian

**Effectiveness and safety of six month chemotherapy course of XDR TB including bedaquiline and linezolid**

Alexander Bazhenov (Ekaterinburg, Russian Federation), Alexander Bazhenov, Eugene Egorov, Valentina Ohtyarkina, Stanislav Shipunov, Oleg Bazhenov

**Efficiency of M DR-TB therapy with the use of thioureidoiminomethylpyridinii perchlorate**

Anna Starshinova (St-Peterburg, Russian Federation), Anna Starshinova, Maria Pavlova, Evgenia Istomina, Ekaterina Belaeva, Irina Chernokhakova, Peter Yablonskiy

**Therapeutic effect of adenoviral vector-mediated GM-CSF gene transfer in lung antimycobacterial immunity in M. bovis BCG infected mice**

Alena Singpiel (Hannover, Germany), Alena Singpiel, Julia Kramer, Regina Maus, Jennifer Stolper, Tobias Welte, Jack Gauldie, Martin Kolb, Ulrich A. Maus

**Potential role of autologous mesenchymal stromal cells in the treatment of multidrug and extensively drug-resistant tuberculosis**

Aliaksandr Skafrin (MINSK, Belarus), Aliaksandr E. Skafrin, Helen E. Jenkins, Hennadz Hurevich, Varvara Solodovnokova, Yanina Isaikina, Dzmitri Klimuk, Zoya Rohava, Alena Skrahina

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**ICC Auditorium**

**Session 349**

**10:45 - 12:45**

**Hot topics: Pulmonary arterial hypertension: future therapeutic approaches**

preceded by Ceremony for the ERS Award for Lifetime Achievement in Pulmonary Arterial Hypertension

**Aims:** In the last year, several very relevant scientific papers that have increased our understanding of pulmonary arterial hypertension were published in high impact journals. The authors of these papers will review their translational work and indicate how it has provided new insights into the pathophysiology and pathology of pulmonary arterial hypertension.

**Track(s):** Physiology

**Tag(s):** Translational

**Target audience:** Cardiologist, Clinician, Pathologist, Physiologist, Pulmonologist, Scientist

**Chairs:** Harm Jan H.J. Bogaard (Amsterdam, Netherlands), Jose Gomez-Arroyo (Cincinatti, United States of America)

**10:45**

**Ceremony for ERS Award for Lifetime Achievement in Pulmonary Arterial Hypertension**

Anton Vonk Noordegraaf (Amsterdam, Netherlands), Andrea Aliverti (Milan, Italy)

**10:55**

**Introduction: overview of pulmonary arterial hypertension pathogenesis**

Harm Jan H.J. Bogaard (Amsterdam, Netherlands)

**11:17**

**Targeting BMPR-II in pulmonary arterial hypertension**

Paul Upton (Cambridge, United Kingdom)

**11:39**

**Modulating the vascular response to chronic hypoxia**

Zhao Lan (London, United Kingdom)

**12:01**

**The role of transcription factors in pulmonary hypertension**

Soni Savai Pullamsetti (Bad Nauheim, Germany)
Symposium: Respiratory syncytial virus: new therapies, but what impact?
Aims: The aims of this session are to help the audience understand the scale and impact of respiratory syncytial virus (RSV) infection in developed and developing nations; describe the many Phase I and II trials that are currently testing strategies for treating and preventing RSV; and debate the potential impact that such therapies may have on future respiratory health.

Track(s): Paediatric
Tag(s): Clinical
Target audience: Allied health professional, Clinician, Emergency medicine doctor, General practitioner, Immunologist, Junior member, Microbiologist, Neonatologist, Nurse, Paediatrician, Patient, Pharmaceutical industry representative, Public health official, Pulmonologist, Student

Chairs: Jonathan Grigg (London, United Kingdom), Nicolas Regamey (Luzern 16, Switzerland)

10:45 Global scale and impact of RSV infection
Harish Nair (Edinburgh, United Kingdom)

11:15 Matching RSV treatments and vaccines to target groups
Peter Openshaw (LONDON, United Kingdom)

11:45 Reducing RSV infection will have a significant impact on future respiratory health: pro
Louis Bont (Utrecht, Netherlands)

12:15 Reducing RSV infection will have a significant impact on future respiratory health: con
Hans Bisgaard (Copenhagen, Denmark)

Symposium: Influenza and respiratory physicians
A joint ERS/ESWI symposium
Aims: The aims of this session are to describe the epidemiology of influenza infection; examine the factors that increase the risk of influenza infection; and discuss new and potential future therapies.

Track(s): Epidemiology / Environment, Infection
Tag(s): Translational
Target audience: Allergologist, Clinician, Epidemiologist, Fellow, General practitioner, Immunologist, Junior member, Microbiologist, Paediatrician, Patient, Pharmaceutical industry representative, Physiologist, Public health official, Pulmonologist, Researcher, Respiratory physician, Scientist, Student, Trainee

Chairs: Gernot G.U. Rohde (Maastricht, Netherlands), Susanne Herold (GIESSEN, Germany)

10:45 Epidemiology of flu in the last decade: trends and fears
Albert Osterhaus (Hannover, Germany)

11:15 Protecting high-risk individuals against flu
Janet McElhaney (Farmington, United States of America)

11:45 Management of the critically-ill influenza patient
Marcos I. Restrepo (San Antonio, United States of America)

12:15 Who gets severe influenza, and why
Peter Openshaw (LONDON, United Kingdom)

Symposium: Molecular footprints in lung cancer diagnosis and management
Aims: To examine the evidence behind current perceptions of molecular biomarkers, genetics, and genomics in thoracic oncology; to provide an overview of the cutting-edge research in terms of lung cancer treatment.

Track(s): Oncology
Tag(s): Translational
Target audience: Allied health professional, Clinician, Epidemiologist, Fellow, General practitioner, Junior member, Nurse, Oncologist, Pathologist, Patient, Public health official, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Scientist, Student, Thoracic endoscopist, Thoracic surgeon, Trainee
### Session 353 10:45 - 12:45

**Aims:** To show how research is performed in Royal Brompton Hospital and Imperial College London and how techniques are applied to translational studies. The session will involve 30 minute video/slide presentations that describe the steps in research. Each session will be followed by Q&A sessions with the researchers and clinical scientists.

**Target audience:** Clinician, Student, Fellow

**Chairs:** Maria Gabriela Belvisi (London, United Kingdom)

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<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
<th>Room A</th>
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<tbody>
<tr>
<td>10:45</td>
<td>Airway sensory nerves</td>
<td>Michael Wortley (London, United Kingdom)</td>
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<tr>
<td>11:15</td>
<td>Cough</td>
<td>Jaclyn Smith (Manchester, United Kingdom)</td>
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<tr>
<td>11:45</td>
<td>Bronchoconstriction</td>
<td>Duncan Rogers (London, United Kingdom)</td>
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<tr>
<td>12:15</td>
<td>Small airway function</td>
<td>Omar Usmani (London, United Kingdom)</td>
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</table>
Session: ERS statements and technical standards

Recent outcomes

**Aims:** To highlight the outcomes of the ERS statement and technical standard documents that were recently developed by ERS task forces.

**Tag(s):** Clinical

**Target audience:** Clinician, General practitioner, Nurse, Fellow, Junior member, Lung function technician, Respiratory physician

**Chairs:** Marc Miravitlles (Barcelona, Spain), Marc Humbert (Paris, France)

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<th>Time</th>
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<th>Speaker</th>
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<tr>
<td>10:45</td>
<td><strong>Introduction: differences between ERS documents</strong></td>
<td>Thomy Tonia (Lausanne, Switzerland)</td>
<td>Platinum Room 1+2</td>
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<tr>
<td>11:00</td>
<td><strong>Update of ATS/ERS standardisation of the single breath uptake of CO in the lung</strong></td>
<td>Brian L Graham (Saskatoon, SK, Canada)</td>
<td>Platinum Room 1+2</td>
</tr>
<tr>
<td>11:26</td>
<td><strong>Standardisation of the single-breath determination of nitric oxide uptake in the lung</strong></td>
<td>Gerald Zavorsky (Atlanta, United States of America)</td>
<td>Platinum Room 1+2</td>
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<tr>
<td>11:52</td>
<td><strong>An official ERS technical standard: exhaled biomarkers in lung disease</strong></td>
<td>Ildikó Horváth (Budapest, Hungary)</td>
<td>Platinum Room 1+2</td>
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<tr>
<td>12:18</td>
<td><strong>ERS task force on definition, discrimination, diagnosis and treatment of central breathing disturbances during sleep: statement presentation</strong></td>
<td>Winfried J. Randerath (Solingen, Germany)</td>
<td>Platinum Room 1+2</td>
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</table>

Session: Working together to drive investment and innovation in asthma research

an ERS/The European Asthma Research & Innovation Partnership (EARIP) joint session

**Aims:** To outline the state-of-the-art in current basic, clinical, and translational asthma research, with the goal of defining and driving the asthma research agenda in Europe.

**Tag(s):** Clinical, Translational

**Target audience:** Clinician, Educationalist, Junior member, Nurse, Occupational therapist, Physiotherapist, Pulmonologist, Researcher, Resident

**Chairs:** Nikolaos G. Papadopoulos (ATHENS, Greece), Samantha Walker (London, United Kingdom)

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<th>Speaker</th>
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<tr>
<td>10:45</td>
<td><strong>Understanding asthma</strong></td>
<td>Sebastian L. Johnston (London, United Kingdom)</td>
<td>Platinum Room 3+4</td>
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<tr>
<td>11:10</td>
<td><strong>Phenotypic stratification of asthma</strong></td>
<td>Sven-Erik Dahlén (Stockholm, Sweden)</td>
<td>Platinum Room 3+4</td>
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<td>11:35</td>
<td><strong>Diagnosis and monitoring</strong></td>
<td>Luis Garcia-Marcos Alvarez (El Palmar (Murcia), Spain)</td>
<td>Platinum Room 3+4</td>
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<tr>
<td>12:00</td>
<td><strong>The Asthma Roadmap (a patient perspective)</strong></td>
<td>Kjeld Hansen (Oslo, Norway)</td>
<td>Platinum Room 3+4</td>
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<tr>
<td>12:20</td>
<td><strong>The Asthma Roadmap</strong></td>
<td>Pippa Powell (Sheffield, United Kingdom)</td>
<td>Platinum Room 3+4</td>
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Room C Session 357 10:45 - 12:45

**Oral Presentation: Late-breaking topics in airways disease**

**Chairs:** Antonio Spanevello (Milano, MI, Italy), Chair to be confirmed

**LATE-BREAKING ABSTRACT:** Benralizumab reduces exacerbations in severe, uncontrolled asthma: Results of the phase III CALIMA trial

**Author:** J Mark FitzGerald (Vancouver, BC, Canada), J. Mark FitzGerald, Eugene Bleecker, Parameswaran Nair, Stephanie Korn, Ken Ohta, Marek Lommatzsch, Gary Ferguson, William Busse, Peter Barker, Stephanie Sproule, Geoffrey Gilmartin, Viktoria Werkström, Magnus Aurivillius, Mitchell Goldman

**LATE-BREAKING ABSTRACT:** The novel inhaled dual PDE3/4 inhibitor RPL554 produces significant additional improvements in lung function when administered on top of existing standard of care in COPD patients

**Author:** Katharine Abbott-Banner (London, United Kingdom), Dave Singh, Katharine Abbott-Banner, Kenneth Newman
LATE-BREAKING ABSTRACT: Exploiting the ability of 1H-NMR to differentiate patients with severe alpha-1-antitrypsin deficiency from controls based on metabolome profiling of exhaled breath condensate
Jan Stolk (Leiden, Netherlands), M. Fumagalli, Jan Stolk, C. Ciaramelli, R. Bussei, V. Mazzoni, S. Viglio, Paolo Iadarola, C. Airoldi

LATE-BREAKING ABSTRACT: TRINITY: A phase III study to compare the efficacy and safety of an extrafine triple combination of beclometasone dipropionate (BDP), formoterol fumarate (FF), and glycopyrronium bromide (GB) pMDI (CHF5993) with tiotropium (Tio) and a free triple combination of BDP/FF (Foster®) + Tio in COPD patients
Jørgen Vestbo (Manchester, United Kingdom), Jorgen Vestbo, Massimo Corradi, Isabella Montagna, Géraldine Cohuet, Catherine Francisco, Stefano Vezzoli, Annamaria Marano, Stefano Petruzzelli, Mario Scuir, Dave Singh

LATE-BREAKING ABSTRACT: Evaluating blood eosinophils and exacerbation history to predict ICS response in COPD
Peter M. A. Calverley (Liverpool, United Kingdom), Peter M.A. Calverley, Kay Tetzlaff, Claus Vogelmeier, Leonardo M. Fabbi, Helgo Magnussen, Emiel F.M. Wouters, Bernd Disse, Helen Finnigan, Guus M. Asijee, Henrik Watz

LATE-BREAKING ABSTRACT: The PDE4 inhibitor CHF-6001 and LAMAs cooperatively inhibit bronchoconstriction-induced remodeling in lung slices
Loes Kistemaker (Groningen, Netherlands), Loes E.M. Kistemaker, Tjitske A. Oenema, Wim A. de Jager, I. Sophie T. Bos, Fabrizio Facchinetti, Gino Villetti, Reinoud Gosens

LATE-BREAKING ABSTRACT: LAVOLTA I and II: Results of 2 phase III studies to assess the efficacy and safety of lebrikizumab in patients with uncontrolled asthma
Nicola Hanania (Houston, United States of America), Nicola Hanania, Phillip Korenblat, Kenneth R. Chapman, Eric D. Bateman, Petr Kopecky, Pier L. Paggiaro, Akihito Yokoyama, Julie Olsson, Sarah Gray, Cecile T.J. Holweg, Mark Eisner, Charles Asare, John G. Matthews

LATE-BREAKING ABSTRACT: Tackling the burden of chronic cough: A dose escalation study of AF-219
Jaclyn Smith (Manchester, United Kingdom), Jaclyn Smith, Michael Kitt, Mandel Sher, Peter Butera, Anthony Ford

Oral Presentation: Clinical and molecular studies in asthma
Chairs: Apostolos Bossios (Gothenburg, Sweden), Hans Jürgen Heinrich Hoffmann (Århus, Denmark)

LATE-BREAKING ABSTRACT: IL33 drives humoral and cellular immune response in influenza-induced severe exacerbation of experimental asthma
Lara Ravanetti (Amsterdam, Netherlands), Lara Ravanetti, Annemie Dijhuis, Yanaika Sabogal Pineros, René Lutter

Prothrombotic alterations to blood coagulation and fibrinolysis in clinically stable asthma
Agnieszka Cybulska (Kraków, Poland), Agnieszka Cybulska, Stanisława Bazan-Socha, Lucyna Mastalerz, Lezhe Zareba, Emy Kremers, Michal Zachczyk, Grazyna Pulka, Teresa Iwaniec, Anetta Undas

Interleukin-33 and Th2 cytokines correlate in acute asthma
Nadia Nicholine Poulsen (Copenhagen, Denmark), Nadia Nicholine Poulsen, Asger Bjerregaard, Siew-Kim Khoo, Ingrid A. Laing, Peter N. Le Souèf, Vibeke Backer, Lucy Barret, Phillip J. Thompson, Svetlana Baltic, Celeste Porsbjerg

A novel, automated periostin assay; correlation with a commercial ELISA method and usability as an asthma biomarker
Masayuki Takai (Sagamihara, Japan), Masayuki Takai, Junya Ono, Ayami Kamei, Hisako Matsumoto, Shoichiro Ohta, Kenji Izuhara

Efficacy and safety of fevipiprant (QAW039) in patients with atopic asthma uncontrolled on low-dose ICS therapy
Eric D. Bateman (Cape Town, South Africa), Eric D. Bateman, Alfredo Guerreros, Florian Brockhaus, Bjoern Holzhauer, Abhijit Pethe, Richard Kay, Robert G. Townley

Crucial timing of a viral component exposure to exacerbate allergen-induced asthma
Shigeru Ashino (Tokyo, Japan), Shigeru Ashino, Kiyoshi Takeyama, Jun Tamaoki, Junji Yagi

The CysLT1 receptor antagonist montelukast inhibits mast cell activation induced by inhaled leukotriene E4 in subjects with asthma
Nikolaos Lazarinis (Stockholm, Sweden), Nikolaos Lazarinis, Johan Bood, Cristina Gomez, Johan Kolmert, Jesper Säfholm, Ann-Sofie Lantz, Elisabeth Henriksson, Craig Wheelock, Sven-Erik Dahlén, Barbro Dahlén

Serum IL-5 and IL-13 consistently serve as the best predictors for the blood eosinophilia phenotype in adult asthmatics
Ioana Agache (BRASOV, Romania), Ioana Agache, Daniel S. Strasser, Axel Klenk, Costel Agache, Hervé Farine, Cristina Ciobanu, Peter M.A. Groenen, Cezmi A. Akdis
**Room D**  
**Session 359**  
**10:45 - 12:45**

**Oral Presentation: Current challenges in thoracic surgery**  
**Chairs:** Laureano Molins Lopez-Rodo (Barcelona, Spain), Dragan R. Subotic (Belgrade, Republic of Serbia)

**LATE-BREAKING ABSTRACT: Understanding SERVE-HF: A multistate analysis to explain mechanisms underlying increased mortality risk in patients randomised to adaptive servo-ventilation (ASV)**  
Christine Eulenburg (Groningen, Netherlands), Christine Eulenburg, Karl Wegscheider, Holger Woehrle, Christiane Angermann, Marie-Pia d’Ortho, Erland Erdmann, Patrick Levy, Anita Simonds, Virend K. Somers, Faiez Zannad, Helmut Teschner, Martin R. Cowie

**The visibility of virtual-assisted lung mapping (VAL-MAP) on computed tomography for thoracoscopic lung tumor resection**  
Hiroshi Nakaoka (Tokyo, Japan), Hiroshi Nakaoka, Atsushi Kitamura, Kohei Okafuji, Ryosuke Tsugitomi, Tomoyuki Tanigawa, Yutaka Tomishima, Torahiko Jinta, Naoki Nishimura, Tomohide Tamura, Naohiko Chohnabayashi, Ryo Wakejima, Fumitsugu Kojima, Toru Bando, Masaaki Sato

**The effect of iloprost on arterial oxygenation during one-lung ventilation**  
Wonjung Hwang (Seoul, Republic of Korea), Wonjung Hwang, Joonpyo Jeon

**Ribcage kinematics during exercise justifies thoracoscopic over thoracotomy lobectomy prompt recovery**  
Antonella LoMauro (Milan, Italy), Antonella Lo Mauro, Alessandro Palleschi, Emilia Privitera, Melania Chiesa, Margherita Cattaneo, Martina Santambrogio, Giorgio Nosotti, Andrea Aliverti

**Radioguided VATS resections of subcentimetric solitary pulmonary nodule/ground glass opacity**  
Luca Bertolaccini (Negrar Verona, Italy), Luca Bertolacinni, Andrea Viti, Matteo Salgarello, Giancarlo Gorgoni, Alberto Terzi

**Use of decellularized tracheas for airways engineering**  
manuel mata (Valencia, Spain), Genaro Galan, Lara Millian, Carmen Carda, Ingrid Garzon, Giovanna Foschini, Manuel Mata

**Revision of descriptors in forthcoming VIII edition of TNM classification of lung cancer: A single center validation study**  
Luca Bertolaccini (Negrar Verona, Italy), Luca Bertolacinni, Andrea Viti, Carlo Pomari, Luca Rosario Assante, Simona Patano, Alberto Terzi

**BODE Index before and after LVRS is associated with long term survival in a post-NETT cohort**  
William Bulman (New York, United States of America), William Bulman, Patricia Jellen, Beth Whippo, Cody Chiuazan, Yuan Zhang, Joshua Sonett, Mark Ginsburg, Byron Thomashow, William Bulman

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**Room M**  
**Session 360**  
**10:45 - 12:45**

**Oral Presentation: Management of asthma and COPD in primary care**  
**Chairs:** Hilary Pinnock (Edinburgh, United Kingdom), Ioanna Tsigianni (Heraklion, Crete, Greece)

**LATE-BREAKING ABSTRACT: PLEASANT: Preventing and lessening exacerbations of asthma in school-age children associated with a new term**  
Heather Elphick (Sheffield, United Kingdom), Heather Elphic, Michelle Horsspool, Sarah Davis, Mike Bradburn, Paul Norman, Neil Shephard, Cindy Cooper, W. Henry Smithson, Jonathan Boote, Amanda Loban, Matthew Franklin, Wei Sun Kua, Robin May, Jenny Campbell, Rachael Williams, Saleema Rex, Steven Julious

**COPD collaborative self-management in primary care: A randomized controlled trial**  
Christopher Licskai (London, Canada), Christopher Licskai, Madonna Ferrone, Natalie Malus, Larry Stitt, Tim O’Callahan, Zofe Roberts, Laura Johnson, Jim Samson, Lisa Durocher

**Stability of the frequent exacerbator - A Danish nationwide registry-based study**  
Mette Reilev (Odense, Denmark), Mette Reilev, Jesper Lykkegaard, Anders Halling, Jørgen Vestbo, Jens Søndergaard, Anton Pottegård

**Using the ADO score in primary care to target pulmonary rehabilitation to patients at high risk of hospital admission**  
Rachel Jordan (Birmingham, United Kingdom), Rachel Jordan, Andy Dickens, Alexandra Enoocson, David Fitzmaurice, Ronan Ryan, Tom Marshall, Peymane Adab

**The assessment of burden of COPD tool improves health related quality of life**  
Annerika Slok (Maastricht, Netherlands), Annerika Slok, Daniel Kotz, Gerard van Breukelen, Niels Chavannes, Maureen Rutten-van Mölken, Huih Kerstjens, Thys van der Molen, Guus Astjée, Richard Dekhuijzen, Sebastiaan Holverda, Philippe Salomé, Lucas Goossens, Hans In ‘t Veen, Onno van Schayck
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<tr>
<td><strong>OA1998</strong></td>
<td>Educational inhaler technique interventions in asthma &amp; COPD patients: A systematic review</td>
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<td><strong>OA1999</strong></td>
<td>Presentation to the emergency department by breathless patients: A qualitative study</td>
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<td><strong>OA2000</strong></td>
<td>Smart phone-based auscultation platform</td>
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**Room P**

**Session 361**

**LATE-BREAKING ABSTRACT: High density lipoprotein cholesterol (HDL-C) and longitudinal lung function in six United States (US) cohorts**

Elizabeth Oelsner (New York, United States of America), Elizabeth Oelsner, Pallavi Balte, Joseph E. Schwartz, Kristin M. Burkart, Patricia Cassano, David R. Jacobs, Ravi Kalhan, Richard Kronmal, Laura R. Loehr, George T. O’Connor, Michael Tsai, Wendy White, Sachin Yende, R. Graham Barr

**Ischemic ECG changes are related to mortality among subjects with COPD**

Ulf Nilsson (UMEA, Sweden), Ulf Nilsson, Berne Eriksson, Bengt Johansson, Anders Blomberg, Anne Lindberg

**Mortality associated with the type of heart failure in patients with chronic obstructive pulmonary disease**

brenda santeliano (Mexico, Mexico), Brenda Santellano-Juárez, Dulce Gonzalez, Arturo Orea-Tejeda, Rafael Hernández-Zenteno, Rocio Sánchez-Santillán, Juan Pineda-Juárez, Viridiana Peláez-Hernández, Carlos Cintora-Martínez, Raúl Herrera-Saucedo, Elisa Pérez-Cabañas, Edna Contreras-Ramírez, Ruth Pablo-Santiago, Raúl Sansores-Martínez, Alejandra Velázquez-Montero

**The characteristics of ACOS in a population based asthma cohort**

Helena Backman (Lulea, Sweden), Helena Backman, Sven-Arne Jansson, Hana Muellerova, Keelle Wurst, Anne Lindberg, Eva Rönnmark

**Defining asthma COPD overlap syndrome (ACOS): A population based study**

Tobias Bonten (Leiden, Netherlands), Tobias Bonten, Marise Kasteleyn, Renée de Mutsert, Pieter Hiemstra, Frits Rosendaal, Niels Chavannes, Christian Taupe

**Prediction models for exacerbations in different COPD patient populations: Results of five large databases**

Martine Hoogendoorn (Rotterdam, Netherlands), Martine Hoogendoorn, Talitha Feenstra, Melinde Boland, Sixten Borg, Sven-Arne Jansson, Nancy Risebrough, Julia Slejko, Maureen Rutten-van Mölken

**The prevalence of moderate to severe COPD has decreased over 15 years in Northern Sweden**

Helena Backman (Lulea, Sweden), Helena Backman, Berne Eriksson, Eva Rönnmark, Linnea Hedman, Caroline Stridsman, Sven-Arne Jansson, Anne Lindberg, Bo Lundbäck

**Ninety seven independent genomic signals for lung function predict susceptibility to moderate to severe COPD**

Ian P. Hall (Nottingham, United Kingdom), Ian P. Hall, Louise V. Wain, Nick Shrine, Boris Noyvert, Maria Soler Artigas, David P. Strachan, Martin D. Tobin

**Room K**

**Session 362**

**LATE-BREAKING ABSTRACT: Nitrogen multiple breath washout for diagnosis of biopsy-proven bronchiolitis obliterans in patients after allogeneic stem cell transplantation**

Daiana Stolz (Basel, Switzerland), Luzia Baumeler, Sylvia Nyilas, Jörg Halter, Spasenija Savic, Anja Meyer, Jakob Passweg, Michael Tamm, Philipp Latzin, Daiana Stolz

**Ventilatory muscle strength and ultrasound evaluation of diaphragm in healthy subjects**

Leticia Cardenas (Sao Paulo, Brazil), Leticia Cardenas, Pauliane Santana, Renata Pletsch, Mayra Pereira, Vinicius Iamonti, Marcelo Macchione, Jefferson Ferreira, Pedro Caruso, Carlos Carvalho, Andre Albuquerque

**Diaphragmatic dysfunction evaluated by ultrasound correlates with dyspnea, exercise and quality of life in interstitial lung disease**

Pauliane Santana (Sao Paulo, Brazil), Pauliane Santana, Leticia Cardenas, Jefferson Ferreira, Vinicius Iamonti, Ozires Ramos, Thomas Jaeger, Andre Albuquerque, Carlos Carvalho, Pedro Caruso
OA 2012 Improvement in respiratory muscle O₂ delivery by Heliox or pure O₂ breathing is associated with reduced dyspnea sensations during exercise in COPD  
Zafeiris Louvaris (Agia Paraskevi, Attica, Greece), Zafeiris Louvaris, Helmut Habazettl, Harrieth Wagner, Peter Wagner, Spyros Zakythinos, Ioannis Vogiatzis

OA 2013 Influence of asthma and obesity on respiratory load perception in children  
Victoria MacBean (London, United Kingdom), Victoria MacBean, Lorna Wheatley, Gerrard F. Rafferty

OA 2014 Dynamic hyperinflation during maximal voluntary ventilation in healthy subjects  
Anneleen Peeters (Molenstede, Belgium), Anneleen Peeters, Audrey Herpeux, Inge Mulyle, Maria Gabrovska, Vincent Ninane

OA 2015 Effect of a new conical-PEP device on cardiopulmonary function during exercise in elderly  
Chatchai Phimphasak (Khon Kaen, Thailand), Chatchai Phimphasak, Chulee Jones, David Jones

OA 2016 The role of cardiopulmonary exercise testing in the diagnosis of psychogenic dyspnoea  

Room ICC Capital Suite  Session 363  10:45 - 12:45

Poster Discussion: Electronic cigarettes  
Chairs: Christina-Georgia Gratziou (Athens, Greece), Philip Tønnesen (Glostrup, Denmark)

PA 2017 Exposure to e-cigarette advertising in the European Union  
Filippos T. Filippidis (London, United Kingdom), Filippos T. Filippidis, Constantine Vardavas

PA 2018 E-cigarette experimentation and support for tobacco control policies in the European Union  
Filippos T. Filippidis (London, United Kingdom), Filippos T. Filippidis, Constantine Vardavas

PA 2019 A 2015 national survey of e-cigarette use among Irish youth  

PA 2020 Effect of E-cigarette vapour on susceptibility to S. pneumoniae infection  
Lisa Miyashita (London, United Kingdom), Lisa Miyashita, Reetika Suri, Richard van Zyl-Smit, Jonathan Grigg

PA 2021 Vaped e-cigarette condensate is more cytotoxic than unvaped ECL on alveolar macrophages  
Aaron Scott (Birmingham, United Kingdom), Aaron Scott, Sebastian Lugg, Kerrie Aldridge, Rachel Dancer, Davinder Dosanjh, David Thickett

PA 2022 Toxicological and inflammatory effects of electronic cigarette extracts using in vitro and ex vivo lung models  
Greg Rankin (Umeå, Sweden), Greg Rankin, Håkan Wingfors, Barbro Ekstrand-Hammarström, Magnus Lundbäck, Jenny Bosson

PA 2023 Heterogeneity in the measurement and reporting of outcomes in studies of electronic cigarette use in adolescents, a systematic analysis of observational studies  
Carlos Echevarria (Newcastle, United Kingdom), Carlos Echevarria, Ian Sinha

PA 2024 Electronic cigarette: Friend or foe?  
Radwa Elhifny (Cairo, Egypt), Radwa Elhifny, Mohamed Amin, Assem Elessawy, Esam Esam Gad El-Rab

PA 2025 Nicotine dosage in e-liquide use by Parisian schoolchildren?  
Bertrand Dautzenberg (Paris, France), Bertrand Dautzenberg, Pierre Birkui, Nicole Rieu, Marie-Dominique Dautzenberg

PA 2026 Prevalence and perception of electronic cigarette (e-cigarette) use in an Irish cohort  
Darragh Enright (Cork, Ireland), Darragh Enright, Nicola J. Ronan, Bernadette Bowen, Mary Daly, Claire Fleming, Joseph A. Eustace, Desmond M. Murphy, Marcus P. Kennedy, Michael T. Henry, Barry J. Plant

PA 2027 Perceptions and use of electronic cigarette in adult smokers followed in a specialized smoking cessation clinic  
Jose Pedro Boleo-Tome (Lisboa, Portugal), Jose Pedro Boleo-Tome, Telma Sequeira, Susana Amorim, Susana Beirão, Carla Simão, Carolina Sousa, Luciana Bento, Cecilia Pardal

PA 2028 Knowledge, attitude and perception regarding e-cigarette among post graduate medical trainees in Pakistan  
Saima Akhter (Karachi, Pakistan), Shaista Ghazal, Saima Akhter, Hafsa Waqar Aziz, Usman Ali Warraich, Wasib Hussain Shah, Ujala Javed, Imad Ud Deen

PA 2029 Content analysis of electronic cigarette web sites in Turkey  
Elif Dagli (Istanbul, Turkey), Murat Güner, Elif Dagli, Pinar Ay, Fusun Yildiz, Osman Elbek
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<td>PA2030</td>
<td>Knowledge and use of e-cigarette among nursing students in North-Eastern Italy</td>
<td>Giuseppe Verlato (VERONA, VR, Italy), Silvia Vincenzi, Federica Canzan, Oliva Marognolli, Eliana Finocchio, Anna Brugnoli, Alex Tchepnou Kouaya, Albino Poli, Giuseppe Verlato</td>
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<td><strong>Poster Discussion: Endosonography: EBUS/EUS (B)</strong></td>
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<td><strong>Chairs:</strong> Jouke T. Annema (Amsterdam, Netherlands), Christophe Dooms (Leuven, Belgium)</td>
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<td>PA2031</td>
<td>Utility of EUS-B-FNA for the diagnosis of EBUS-TBNA in accessible intrathoracic lesions</td>
<td>Masahide Oki (Nagoya, Japan), Masahide Oki, Hideo Saka, Chiyoe Kitagawa, Yoshiihihito Kogure, Saori Oka, Masashi Nakahara, Kazumi Hori, Yuko Ise, Yasushi Murakami</td>
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<td>PA2032</td>
<td>EUS-B-FNA vs EUS-FNA for left adrenal gland analysis in lung cancer patients</td>
<td>Laurence M.M.J. Crombag (Huizen, Netherlands), Laurence M.M.J. Crombag, Artur Szulbowski, Jos Stigt, Olga Schuurders, Jouke Annema</td>
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<td>PA2033</td>
<td>Esophageal ultrasound (EUS) for mediastinal tumor invasion (T4) in NSCLC</td>
<td>Jolanda C. Kuivenhoven (Eindhoven, Netherlands), Jolanda C. Kuivenhoven, Laurence Crombag, David Breen, Inge vd Berk, Willem-Jan van Boven, M.I.M. Versteegh, Jouke Annema</td>
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<td>PA2034</td>
<td>Combined endobronchial and endoscopic ultrasound-guided needle aspiration performed by single ultrasound bronchosopes routine videobronchoscopy for diagnosis of advanced lung cancer - A prospective study</td>
<td>Artur Szulbowski (Kraków, Poland), Ewa Pasko, Jolanta Serafin-Bromblik, Witold Piekarz, Maciej Chodorowski, Jerzy Kozielewski, Joanna Wegrzyn, Juliusz Pankowski, Adam Cmiel, Jerzy Soja, Artur Szulbowski</td>
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<tr>
<td>PA2035</td>
<td>Impact of anesthesia on cytology quality obtained during EBUS-TBNA, EUS-b-FNA or EUS-FNA in patients with mediastinal adenopathies</td>
<td>Ilya Sivokozov (Moscow, Russian Federation), Ilya Sivokozov, Irina Shabalina, Olga Lovacheva, Galina Evghushenko, Dmitry Dedushkin, Eduard Artemkin, Sergey Sokolov, Boris Lensky, Natalya Li, Svetlana Pavlova, Michail Burdyukov, Ilya Yurichev</td>
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<td>PA2036</td>
<td>A novel flexible 19G EBUS-TBNA needle: Absolute and relative performance in patients</td>
<td>Anna Szczaniecka (Redmond, United States of America), Anna Szczaniecka, Xavier Gonzalez, Lina Zuccataosta, Stefano Gasparini, Daniela Gompelmann, Felix Herth, Samuel Kemp, Pallav Shah, Maciej Gnass, Artur Szulbowski</td>
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<td>PA2037</td>
<td>The value of EBUS in the diagnosis of bronchi Dieulafoy's disease</td>
<td>Weizhong Jin (Hangzhou, China), Weizhong Jin</td>
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<td>PA2038</td>
<td>A multimodal image guiding system for navigated endobronchial ultrasound (EBUS): Human pilot</td>
<td>Hanne Sørger (LEVANGER, Norway), Hanne Sørger, Tore Amundsen, Erlend Fagertun Hofstad, Thomas Lango, Håkon Olav Leira</td>
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<td>PA2039</td>
<td>Molecular analysis of peripheral non-squamous non-small cell lung cancer sampled by radial EBUS</td>
<td>Florian Guisier (Bois Guillaume, France), Florian Guisier, Mathieu Salain, Samy Lachkar, Aude Lamy, Nicolas Piton, Bérengère Obstoy, Jean-Christophe Sabourin, Luc Thiberville</td>
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<td>PA2040</td>
<td>Myeloid antigen presenting cells in lung adenocarcinoma lymph nodes assessed by endobronchial ultrasound</td>
<td>António Alexandre Pinto Bugalho de Almeida (Lisboa, Portugal), António Alexandre Pinto Bugalho de Almeida, Catarina Martins, Zélia Silva, Inês Ferreira, Paula Videira</td>
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<td>PA2041</td>
<td>Endobronchial ultrasound guided biopsy (EBUS-TBNA) for staging of patients with lung cancer without mediastinal involvement at positron emission tomography-computed tomography (PET-CT)</td>
<td>Therese Marie Henriette Naur (Copenhagen, Denmark), Therese Marie Henriette Naur, Lars Konge, Paul Frost Clementsen</td>
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<td>PA2042</td>
<td>Does anthracotic pigments reported in EBUS-TBNA exclude lymph node metastasis?</td>
<td>Serhat Erol (Ankara, Turkey), Serhat Erol, Onur Fevzi Erer, Ceyda Anar, Serir Akdogu, Zekiye Aydogdu</td>
</tr>
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<td>PA2043</td>
<td>EBUS-TBNA in positron emission tomography (PET) positive mediastinal lymph nodes in previously radically treated malignancies</td>
<td>Juliana Guarize (Milan, Italy), Juliana Guarize, Elena Magni, Chiara Casadio, Stefano Donghi, Niccolo Filippi, Valeria Midolo, Monica Casiraghi, Francesco Petrella, Daniela Brambilla, Patrick Maisonneuve, Lorenzo Spaggiari</td>
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<tr>
<td>PA2044</td>
<td>Impact of sedation type on diagnostic yield of EBUS-TBNA: General anesthesia vs moderate sedation</td>
<td>Hatice Kaya (Ankara, Turkey), Hatice Kaya, Tuncer Ozk, Ufuk Turhan, Mehmet Aydogan, Seyfettin Gumus, Omer Deniz, Ergun Tozkoparan</td>
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PA2045  Endobronchial ultrasound elastography for the prediction of malignant intrathoracic lymph nodes during EBUS-TBNA
Jiayuan Sun (Shanghai, China), Jiayuan Sun, Lei Wang, Xiaowei Mao, Xiaoxuan Zheng, Baohui Han

PA2046  EBUS-STAT subscores analysis to assess the efficacy of virtual reality simulation for EBUS-TBNA training
Simone Scarlata (Rome, Italy), Simone Scarlata, Patrizio Palermo, Piero Candoli, Ariela Tofani, Tommasangelo Petitti, Lorenzo Corbetta

PA2047  Features predicting malignancy in mediastinal lymph nodes by endobronchial ultrasound in Indian setting: Is it different?
Jeenam Shah (Mumbai, India), Jeenam Shah, Rajiv Goyal, Chetan Nemani, Kedar Hibare

PA2048  Influence of the cell block in the diagnostic yield of sarcoidosis by sectorial endobronchial ultrasound

Room ICC Capital Suite 7  Session 365  10:45 - 12:45

Poster Discussion: Best abstracts in physical activity and telemedicine
Chairs: Henrik Watz (Grosshansdorf, Germany), William Man (Harefield, United Kingdom)

PA2049  Transportation period detection for physical activity monitoring using an inertial sensor on the lower-back
Martijn Niessen (The Hague, Netherlands), Aki Kunikoshi, Martijn Niessen, Evert Engel, Bas Huijben, Rob C. van Lummel

PA2050  Physical activity heterogeneity in COPD; meaningful analysis of data
Chris Newby (LEICESTER, United Kingdom), Chris Newby, Karam Aboud, Bethan Barker, Maria Shelley, Karen Edwards, Leena George, Linzy Houchen-Wolff, Chris Brightling, Sally Singh

PA2051  Physical activity determinants in COPD patients in the community
Maria Milagros Anton Oloriz (Tudela, Spain), Maria Hernandez Bonaga, Fabricio Zambom Ferareira, José Antonio Cascante Rodrigo, Javier Hueto Pérez de Heredia, Pilar Cebollero Rivas, Milagros Antón Oloriz

PA2052  Predictors of physical activity in patients with idiopathic pulmonary fibrosis
Kazuya Shingai (Seto-city, Japan), Kazuya Shingai, Hiroyuki Taniguchi, Fumiko Watanabe, Tomoya Ogawa, Yasuhiro Kondoh, Tomoki Kimura, Kensuke Kataoka, Masashi Kanzaki, Shinichi Arizono

PA2053  Aerobic interval training induces clinically meaningful effects in daily physical activity in COPD
Zafeiris Louvaris (Agia Paraskevi, Attica, Greece), Zafeiris Louvaris, Stavroula Spetsioti, Eleni A. Kortianou, Maroula Vasilopoulou, Ioannis Nasis, George Kaltakis, Nikolaos G. Kolouri, Ioannis Vogiatzis

PA2054  Participation in physical activity during hospital and home-based pulmonary rehabilitation for people with COPD
Aroub Lahham (Melbourne, VIC, Australia), Aroub Lahham, Angela Burge, Christine McDonald, Ajay Mahal, Catherine Hill, Annemarie Lee, Rosemary Moore, Narelle Cox, Rebecca Ndongo, Anne Holland

PA2055  Maintaining an active lifestyle of patients with occupational lung diseases: A randomized controlled study
Katrin Mueller (Leipzig, Germany), Katrin Mueller, Nicola Kotschy-Lang, Petra Wagner

PA2056  Purposeful physical activity in COPD patients comparing standard and web based pulmonary rehabilitation
Amy Barnes (Leicester, United Kingdom), Amy Barnes, Chris Newby, Emma Chaplin, Linzy Houchen-Wolff, Sally Singh

PA2057  Relationships between balance and physical activity measured by an accelerometer in elderly COPD patients
Masahiro Iwakura (Akita, Japan), Masahiro Iwakura, Kazuki Okura, Atsuyoshi Kawagoshi, Kazuyuki Shiota, Masahiro Satake, Keiyu Sugawara, Hitomi Takahashi, Mitsuobu Homma, Takeshi Kashiwagura, Takanobu Shiroya

PA2058  Do pedometers maintain the benefits of pulmonary rehabilitation in COPD patients?
Claire M Nolan (London, United Kingdom), Claire M Nolan, Matthew Maddocks, Jane L. Canavan, Sarah E. Jones, Samantha S.C. Kon, Djeay Kaliaraju, Michael I. Polkey, William D.-C. Man

PA2059  Evolution of automatic and controlled motivation toward physical activity and sedentary behaviors during pulmonary rehabilitation
Guillaume Chevance (LODEVE, France), Chevance Guillaume, Nelly Heraud, Alain Varray, Julie Boiché

PA2060  A lifestyle physical activity intervention is associated with fewer self-reported COPD-related hospitalizations
David Coultais (Portland, United States of America), David Coultais, Bradford Jackson, Minyong Uhm, Karan Singh, Sejong Bae
**Impact of step exercises as an early intervention during COPD exacerbation**
Diego Augustin Rodriguez (Barcelona, Spain), Diego Augustin Rodriguez, Anna Rodo-Pin, Mónica Guerrero, Roser Coll, Arturo Huerta, Nestor Soler, Estefany Marco, Cristina Estrado, Antoni Torres, Eduard Monso, Joaquim Gea

**Physical activity assisted by interactive video gaming as new treatment approaches in COPD rehabilitation of patients at home: Observance, satisfaction and impact on quality of life**
Tanguy MARQUESTE (Marseille cedex 9, France), Tanguy Marqueste, Alizee Chapon, Floride Sibourd, Bruno Escarguel, Mathieu Larrousse, Louis Marqueste

**Patient education with telephone follow-up for chronic obstructive pulmonary disease and essential hypertension**
Aida Imanalieva (Bishkek, Kyrgyzstan), Aida Imanalieva, Denis Vinnikov, Nurlan Brimkulov

**An interactive web-based pulmonary rehabilitation programme: A randomised controlled feasibility trial**
Emma Chaplin (Leicester, United Kingdom), Emma Chaplin, Stacey Hewitt, Lindsay Apps, Kelly Edwards, Chris Brough, Aga Glab, John Bankart, Ruth Jacob, Sally Schreder, Johanna Williams, Sally Singh

**Telehabilitation in people with chronic obstructive pulmonary disease (COPD): A randomised controlled trial**
Zoe McKeough (Sydney, Australia), Ling Ling Tsai, Renae McNamara, Chloe Moddel, David McKenzie, Jennifer Alison, Zoe McKeough

**Exercise capacity and activity levels in people with COPD who experience exercise-induced oxygen desaturation**
Zoe McKeough (Sydney, Australia), Zoe McKeough, Regina Leung, Christine McDonald, Sue Jenkins, Anne Holland, Kylie Hill, Norman Morris, Catherine Hill, Annemarie Lee, Nola Cecins, Helen Seale, Lissa Spencer, Sally Wootton, Cindy Ng, Jennifer Alison

**The association between hypertension and neutrophil to lymphocyte ratio in patients with obstructive sleep apnea syndrome**
Özlem Erçen Diken (Çorum, Turkey), Özlem Erçen Diken, Mesut Arslan, Hülya Deniz, Onur Hanedan

**Effects of normoxic recovery on intermittent hypoxia-induced changes of microbiome in a mouse model of OSA**
Isaac Almendros (Hospital de Llobregat (Barcelona), Spain), Isabel Moreno-Indias, Marta Torres, Lidia Sanchez-Alcoholado, Fernando Cardona, Josep Maria Montserrat, Maria I Queipo-Ortuño, Ramon Farre, Isaac Almendros

**Hypoxic and non-hypoxic obstructive sleep disordered breathing. Effect on cytotoxic lymphocytes and metabolic parameters**
Richard Staats (Murches, Portugal), Richard Staats, Rachel Rodrigues, Margarida Aguiar, Dina Fernandes, Susana Moreira, João Valença, Pinto Paula, Bugalho António, Bárbara Cristina, Luís Moita

**Deleterious effects of intermittent hypoxia on lung tissue**
Izabela Tuleta (Bonn, Germany), Izabela Tuleta, Carmen Pizarro, Georg Nickenig, Uwe Juergens, Dirk Skowasch

**Overnight urinary isoprostane levels during CPAP withdrawal as a marker of oxidative stress**
Christopher Turnbull (Oxford, United Kingdom), Christopher Turnbull, Ioannis Akoumianakis, Malcolm Kohler, Charalampos Antoniades, John Stradling

**The effects of CPAP withdrawal in patients with OSA on hypoxia-induced markers**
Christopher Turnbull (Oxford, United Kingdom), Christopher Turnbull, Peter Santer, Esther Schwarz, Valentina Rossi, Malcolm Kohler, John Stradling, Nayia Petousi

**8-isoprostanes and resistin as markers of vascular damage in non-hypersomnolent obstructive sleep apnea patients**
Radostina Cherneva (Sofia, Bulgaria), Radostina Cherneva, Zheina Cherneva, Julia Petrova, Daniela Petrova, Ognian Georgiev

**Independent associations between arterial bicarbonate, apnea severity and hypertension in a sleep apnea cohort**
Ding Zou (Gothenburg, Sweden), Davoud Eskandari, Ding Zou, Ludger Grote, Hartmut Schneider, Thomas Penzel, Jan Hedner

**Progression of subclinical atherosclerosis in obstructive sleep apnea (OSA)**
Dinora Polanco Alonso (Zaragoza, Spain), Dinora Polanco Alonso, Maria Teresa Martín Carpi, Victoria Gil Gómez, Pablo Cubero Martín, Marta Forner Vicente, Ana Lilian Simón Robles, Clara Viñado Mañés, Ana Lucía Figueredo Carraca, Erica León Subías, Sara Gómez de la Cal, Santiago Carrizo Sierra, Salvador Bello Dronda, José María Marín Trigo

**Sleep apnea during REM sleep is associated with early signs of atherosclerosis**
Mirjam Ljunggren (Uppsala, Sweden), Mirjam Ljunggren, Eva Lindberg, Karl Franklin, Marita Larsson, Tord Naessen
PA2077  Blood pressure behavior in OSAS patients before and during CPAP determined by a continuously measuring cuff less method
Gert Küchler (Randersacker, Germany), Gert Küchler, Jennifer Gehring, Andreas Patzak

PA2078  Effect of central sleep apnoea on severity and short-term prognosis of acute coronary syndrome
Estefanía Galera Lozano (LLEIDA, Spain), Estefanía Galera Lozano, Marina Florés, Jordi De Batlle, Alicia Sánchez-de-la-Torre, Manuel Sánchez-de-la-Torre, Josep Maria Montserrat, Ferran Barbé

PA2079  Timely association between obstructive sleep apnea (OSA) and cardiovascular outcome after first acute myocardial infarction (AMI): A national wide population-based study
Ming-Tzer Lin (Taipei, Taiwan), Ming-Tzer Lin, Chi-Ling Chen, Pei-Lin Lee, Chi-Tai Fang

PA2080  Obstructive sleep apnea and cardiovascular risk markers in community individuals- Results from the sleep apnea and vascular evaluation (SAVE) study
Vanesa Loh (Singapore, Singapore), Vanesa Loh, Yan Yi Cheung, Siew Pang Chan, See Meng Khoo, Chi-Hang Lee, Vanesa Loh

PA2081  Protective cardiovascular effect of sleep apnea severity in obesity hypoventilation syndrome
Juan Fernando Masa Jiménez (Cáceres, Spain), Juan Fernando Masa Jiménez, M.-Ángeles Sánchez-Quiroga, Jaime Corral, Auxiliadora Romero, Candela Caballero, Joaquín Terán-Santos, Maria L. Alonso-Álvarez, Teresa Gomez-Garcia, Mónica González, Soledad López-Martinez, Pilar De Lucas, José M. Marin, Sergi Marti, Trinidad Díaz-Cambriles, Eusebi Chiner, Erika Miranda, Carlos Egea, Ana Obeso, Babak Mokhlesi

PA2082  Long-term effects of CPAP on blood pressure in non-resistant hypertensive patients with obstructive sleep apnea: A 30 month prospective study
Oana Claudia Deleanu (Bucarest, Romania), Oana Claudia Deleanu, Corina Ioana Oprea, Andra Elena Malaut, Ana Maria Zaharie, Miruna Mihaela Micheu, Natalia Patrascu, Florin Dumitru Mihaltan

PA2083  Adaptive servo-ventilation for central sleep apnea in systolic heart failure does not improve muscle sympathetic nerve activity: A SERVE-HF substudy
Renaud Tamisier (GRENOBLE, France), Renaud Tamisier, Jean-Louis Pépin, Muriel Salvat, Holger Woehrle, Gilles Barone-Rochette, Cécile Rocca, Helmut Teschler, Martin R. Cowie, Patrick Levy

PA2084  ServeHF in real life
Natascha Troester (Graz, Austria), Natascha Troester, Michael Palfner, Christoph Wohlkoenig, Martin Trinker, Markus Dominco, Alexander Avian

Room ICC Capital Suite  Session 367  10:45 - 12:45
Poster Discussion: IPF: from pathogenesis to treatment II
Chairs: Katerina Antoniou (Heraklion, Crete, Greece), Francesco Bonella (Dusseldorf, Germany)

PA2085  Diagnosis, treatment and attitudes about idiopathic pulmonary fibrosis in Latin American physicians
Ivan Cherrez Ojeda (Guayaquil, Ecuador), Ivan Cherrez Ojeda, Vincent Cottin, Juan Calderon, Erick Calero, Dayana Cabrera, Aninha Cherrez, Jose Martin Vilema

PA2086  Clinical experience with nintedanib for the treatment of IPF in 80 cases
Maria Kontou (ATHENS, Greece), Maria Kontou, Velissaria Bousgou, Vasileios Tzilas, Evangelos Bouros, Stamatios Tsipiris, Andreas Granitsas, Evangelos Marozanes, George Dionelis, Nikolaos Koulouris, Demosthenes Bouros

PA2087  The effect of pirfenidone on impaired lung function in patients with idiopathic pulmonary fibrosis (IPF) from Czech IPF registry
Monika Žurková (Olomouc, Czech Republic), Monika Žurková, Vítězslav Kolek, Vladimíra Loštáková, Eva Křeigová, Martina Šterclová, Vladimír Bartoš, Martina Doubková, Ilona Binková, Michal Svoberda, Jana Strenková, Martina Placková, Ladislav Lacinia, Vladimir Rihak, František Petrík, Pavlína Lisá, Radka Bittenglová, Richard Tyl, Gustav Ondrejka, Hana Sudlova, Jaroslav Lnenicka, Jana Píškalová, Tomáš Snízek, Jití Homolk, Renata Králova, Jan Kervitzer, Martina Vašáková

PA2088  Efficacy of pirfenidone in idiopathic pulmonary fibrosis: A single center experience
Katleen Leceuvre (Kessel-lo, Belgium), Katleen Leceuvre, Els De Dycker, Tom Moerman, Jonas Yserbyt, Wim Wuyts

PA2089  Long-term safety of combination therapy with nintedanib and pirfenidone in Japanese patients with IPF
HIROYUKI TANIGUCHI (Nisshin, Japan), Hiroyuki Taniguchi, Takashi Ogura, Yoshikazu Inoue, Manabu Akimoto, Arata Azuma

PA2090  Nintedanib for idiopathic pulmonary fibrosis (IPF): Data from the German compassionate use program (CUP)
Francesco Bonella (Dusseldorf, Germany), Francesco Bonella, Michael Kreuter, Lars Hagmeyer, Claus Neurohr, Claus Keller, Martin J. Kohlhäufl, Joachim Müller-Quernheim, Katrin Milger, Antje Prasse
PA2091  Effect of pirfenidone on IPF progression
Ginevra Del Giudice (Benevento, Italy), Diana Radicella, Ginevra Del Giudice, Assunta Micco, Mariano Mazza, Mario Del Donno

PA2092  Efficacy and safety of nintedanib in advanced idiopathic pulmonary fibrosis
Sojung Park (Seoul, Republic of Korea), Sojung Park, Jisun Lee, Dong Soon Kim, Jin Woo Song

PA2093  Real life experience with nintedanib in patients with idiopathic pulmonary fibrosis
Eva Brunnerer (Heidelberg, Germany), Eva Brunnerer, Svenja Ehlers-Tenenbaum, Calus Peter Heussel, Arne Warth, Felix Herth, Michael Kreuter

PA2094  MiR-185/AKT and miR-29a/collagen 1a pathways are activated in IPF alveolar macrophages
Katerina Antoniou (Heraklion, Crete, Greece), Eliza Tsitoura, Athol U. Wells, Athol U. Wells, Chara Koutoulaki, Konstantinos Karagiannis, Ismini Laithiotaiki, Eirini Vasarmidi, Hiroe Sato, Demetrios A. Spandidos, Nikolaos M. Siafakas, Georgios Sourvinos, Katerina Antoniou

PA2095  Treg depletion reduces bleomycin-induced pulmonary fibrosis by inducing Th17 and other CD4+T cell subset responses in lung
Kaustav Chakraborty (Kolkata, India), Kaustav Chakraborty, Arindam Bhattacharyya

PA2096  Serum KL-6 as a multidimensional biomarker in patients with idiopathic pulmonary fibrosis
HIROYUKI TANIGUCHI (Nisshin, Japan), Hiroyuki Taniguchi, Yasuhiro Kondoh, Tomoki Kimura, Kensuke Kataoka, Takeshi Johkoh, Junya Fukuoka, Keiko Hasegawa

PA2097  Is Toll-like receptor 4 a common pathway hypothesis for development of lung cancer and idiopathic pulmonary fibrosis?
Radwa Elhefny (Cairo, Egypt), Radwa Elhefny, Sabah Ahmed, Marwa Moawad, Mona Abdullatif

PA2098  Volumetric CT analysis of normal lung as a predictor of mortality in idiopathic pulmonary fibrosis
Hirotsugu Ohkubo (Nagoya, Japan), Hirotsugu Ohkubo, Mitsuaki Yagi, Yasuhiro Kondoh, Takeshi Johkoh, Hiroaki Arakawa, Akio Niimi, Hiroyuki Taniguchi

PA2099  First insights from the BTS idiopathic pulmonary fibrosis (IPF) registry
Monica Spiteri (Stoke-on-Trent, United Kingdom), Monica Spiteri, William Chang, Nazia Chaudhuri, Robina K. Coker, Sue Copley, Owen Dempsey, Ian Forrest, Michael Gibbons, Ling-Pei Ho, Toby M. Maher, Helen Parfrey, Luca Richeldi, Lisa Spencer

PA2100  Disease progression in early idiopathic pulmonary fibrosis: Insights from the Australian IPF registry
Helen Jo (Sydney, NSW, Australia), Helen Jo, Ian Glaspole, Yuben Moodley, Sally Chapman, Wendy Cooper, Samantha Ellis, Nicole Goh, Peter Hopkins, Greg Keir, Annabelle Mahar, Paul Reynolds, Haydn Walters, Christopher Zappala, Christopher Grainge, Heather Allan, Tamera Corte

PA2101  Survival from acute exacerbation of idiopathic pulmonary fibrosis with or without direct hemoperfusion with polymyxin B-immobilized fiber column: A retrospective analysis
Keiji Oishi (Yamaguchi, Japan), Keiji Oishi, Keisuke Aoe, Yusuke Mimura, Yoriyuki Murata, Kenji Sakamoto, Wataru Koutoku, Tsuneo Matsumoto, Hiroshi Ueoka, Kazuto Mastunaga, Masafumi Yano

PA2102  A supportive care decision aid tool for idiopathic pulmonary fibrosis
Charles Sharp (BRISTOL, United Kingdom), Charles Sharp, Adrienne Edwards, Heather Lamb, Sorayya Alam, Nikki Jordan, Rachel Gunary, Patricia Meek, Ann Millar, Clare Kendall, Huaifa Adama

Room ICC Capital Suite 9  Session 368  10:45 - 12:45

Poster Discussion: Active and latent tuberculosis: biomarkers

Chairs: Morten Ruhwald (Copenhagen, Denmark), Jackie Cliff (London, United Kingdom)

PA2103  Impact of pulmonary tuberculosis sequelae on functional status
isha garg (jodhpur, India), Laxman kumar Soni, Hemant Borana, Gopal Purohit, C.R. Choudhary, Isha Garg, Srikanth Agarwal, Lalit Kumar Sharma, U. Narendran

PA2104  Tuberculosis in renal transplant recipients on isoniazid prophylaxis
Sohail Akhtar (KARACHI, Pakistan), Sohail Akhtar, Asma Naseem, Sunil Dodani, Rubina Naqvi, Eijaz Ahmad, Anwar Naqvi, Adib Rizvi

PA2105  The value of interferon-gamma releasing assays (IGRA) determining latent tuberculosis infection in renal transplant candidates
Balam Er Dedekarginoglu (ANKARA, Turkey), Balam Er Dedekarginoglu, Fusun Eyuboglu, Ozlem Salman Sever, Aydinca Akdur, Mehmet Haberal
| PA2106 | Estimated number of child household contacts eligible for latent tuberculosis treatment | Yohhei Hamada (Genève, Switzerland), Yohhei Hamada, Philippe Glaziou, Charalampos Sismanidis, Haileyesu Getahun |
| PA2107 | Latent TB in healthcare workers from high prevalence countries at city hospital Sunderland foundation trust (CHSFT); epidemiology and management | Stephen Murphy (Great Ayton, North Yorkshire, United Kingdom), Mohammed Hashim, Stephen Murphy, Sharon Stothard |
| PA2108 | Cohort analysis of a large community-based latent tuberculosis screening and treatment programme in a high incidence setting in East London | Matthew Burman (LONDON, United Kingdom), Matthew Burman, Miranda Loutet, Duncan Trathan, Susan Dart, Nivenka Jayasekera, Simon Tiberi, Heinke Kunst, Dominik Zenner |
| PA2109 | Russian-language e-learning and decision-support app for mobile devices on tuberculosis and lung health for primary care workers in Belarus | Valiantsin Rusovich (MINSK, Belarus), Valiantsin Rusovich, Hennadz Hurevich, Liudmila Zhylevich, Dennis Falzon, Pierpaolo de Colombani, Andrei Dudu, Masoud Dara, Elena Davidovskaya, Pascal Kurosinski, Alena Skrahina |
| PA2110 | Role of EBUS-guided TBNA in CT reported isolated tubercular mediastinal lymphadenopathy | Bharat Gopal (New Delhi, India), Bharat Gopal |
| PA2111 | Impact of ART on CD4+/CD8+ T-cell-specific response to copathogens in HIV-TB patients | Teresa Chiacchio (Rome, Italy), Teresa Chiacchio, Elisa Petruccioli, Valentina Vanini, Gilda Cuzzi, Carmela Pinnetti, Alessandro Sampaolesi, Andrea Antoniani, Fabrizio Palmieri, Enrico Girardi, Delia Goletti |
| PA2112 | Comparison of the accuracy of QuantitiFeron TB gold in tube vs QuantitFeron-TB plus | Delia Goletti (Rome, Italy), Valentina Vanini, Elisa Petruccioli, Fabrizio Palmieri, Daniela Cirillo, Gilda Cuzzi, Giovanna Battista Migliori, Delia Goletti, Enrico Girardi |
| PA2113 | Utility of mycobacterium tuberculosis Rv0081-specific host gene expression to distinguish latent infection from active tuberculosis disease | Ilana van Rensburg (Cape Town, South Africa), Ilana van Rensburg, Andre Loxton |
| PA2114 | Flow cytometric immune profiling in infliximab-associated tuberculosis | Humberto Sasieta (Rochester, United States of America), Humberto Sasieta, Tobias Peikert, Virginia Van Keulen, Courtney Erskine, Mikayla Austin, Kelly Pennington, Harika Dasari, Patricio Escalante |
| PA2115 | A combinatorial dual-immunonassay predicts reactivation risk for patients with previously incomplete treatment for latent tuberculosis infection | Patricio Escalante (Rochester, United States of America), Patricio Escalante, Tobias Peikert, Humberto Sasieta, Virginia Van Keulen, Courtney Erskine, Mikayla Austin, Harika Dasari, Adam Schrum, Andrew Limper |
| PA2116 | Vitamin D supplementation in health and latent tuberculosis promotes regulatory T cell expression | Gemma Hawthorne (Meriden, United Kingdom), Gemma Hawthorne, Zhang JinJin, David Thickett, Alice Turner |
| PA2117 | Correlation between vitamin D receptor polymorphism with clinical and nutritional status in intensive phase treatment of pulmonary tuberculosis | Irawaty Djiharuddin (Medan, Indonesia), Irawaty Djiharuddin |
| PA2118 | Evaluation of serum inflammatory biomarkers as predictors of treatment outcome in pulmonary tuberculosis | Andrew Ritchie (london, United Kingdom), Andrew Ritchie, Aran Singanayagam, Kavina Manalan, David Connell, James Chalmers, Saranya Sridhar, Aji Lalvani, Melissa Wickremasinghe, Onn Min Kon |
| PA2119 | Identification of novel tuberculosis diagnostic biomarkers in plasma and saliva | Ruschca Jacobs (Cape Town, South Africa), Ruschca Jacobs, Gerhard Walzl, Novel Chegou |
| PA2120 | Comparative analysis of the metabolic activity of vascular endothelium in patients with pulmonary tuberculosis combined with diabetes mellitus and without it | Olga Konyaeva (Moscow, Russian Federation), Olga Konyaeva, Rizvan Abdullaev, Oksana Komissarova, Olga Berejnaya |

**T-01 Session 374 12:50 - 14:40**

**Thematic Poster: Dealing with the complexity of critically-ill patients**

**Chairs**: Christian Bruells (Aachen, Germany), Stylianos Orfanos (Athens, Greece), Theodoros Vassilakopoulos (Kantza, Greece), Davide Chiumello (Milan, Italy)

**Validation of NUTRIC score in Asian intensive care unit population**

Amartya Mukhopadhyay (Singapore, Singapore), Amartya Mukhopadhyay, Jeya Henry, Venetia Ong, Claudia Leong Shufen, Ai Ling Teh, Rob E. van Dam, Yanika Kowitlawakul
PA2132 Exhaled air leakage during manual ventilation by healthcare workers with different levels of experience
David Shu Cheong Hui (Shatin, Hong Kong), David Shu Cheong Hui, Benny Chow, Matthew Chan

PA2133 Outcome and prevalence of sleep breathing disorders (SBD) after an acute exacerbation of obesity-hypoventilation syndrome AE/OHS
Ahmed Abdelghani (Sousse, Tunisia), Jihène Ayachi, Ahmed Khedher, Rahma Ben Jazia, Meddeb Khaoula, Aissa Sana, Ben Salem Halima, Gargouri Imen, Benzarti Mohamed, Boussarsar Mohamed, Ahmed Abdelghani

PA2134 Level of adrenomedullin in cases with adrenal efficiency and its relation to mortality in patients with sepsis
Baran Balcan (STANBUL, Turkey), Baran Balcan, Sehnaz Olgun, Turkay Akbas, Emel Eryuksel, Sait Karakurt

PA2135 Risk factors for disseminated intravascular coagulation (DIC) in patients with lung cancer
KENTARO NAKANO (KOSIGAYA , Japan), Kentaro Nakano, Kumiya Sugiyama, Takayoshi Fujimatsu, Naruo Yoshida, Ryosuke Souma, Masamitsu Tatewaki, Kenya Kohyama, Hirokuni Hirata, Yasutugu Fukushima

PA2136 Specific components of the inflammatory reflex: Heart rate variability and levels of interleukin 6 predict shock in critical ill patients
Maria Jose Fernandez Sanchez (Bogotá, Colombia), Maria Jose Fernandez Sanchez, Alain Riveros Rivera, Oscar Sanabria

PA2137 Impact of bloodstream infections on catheter colonization during extracorporeal membrane oxygenation
Yun Seong Kim (Yangsan city, Kyeongsang Nam-do, Republic of Korea), Hyeju Yeo, Byun Ki Sup, Hyeon Seok Kim, Seong Hoon Yoon, Seung Eun Lee, Woo Hyun Cho, Doosoo Jeon, Yun Seong Kim

PA2138 Dermato-pulmonary syndrome associated with M DA-5 antibodies
Yurdagül Uzunhan (Bobigny, France), Yurdagül Uzunhan, Hilario Nunes, Gaelle Leroux, Makoto Miyara, Olivier Benveniste, Yves Allenbach

PA2139 COPD patients admitted in ICU for acute exacerbation: Impact of exacerbation factors on prognosis
Amani Ben Mansour (Tunis, Tunisia), Amani Ben Mansour, Takoua Merhabene, Amira Jamoussi, Jaliya Ben Khilil, Mohamed Besbes

PA2140 A acute respiratory failure following neurotoxic snake bite - A study of 101 cases of neurotoxic snake bite from eastern India
Pravat Thatoi (Cuttack,Odisha, India), Pravat Thatoi, Ritesh Acharya, Ashish Malla

PA2141 Low serum selenium levels in critically ill patients with respiratory diseases are associated with poor prognostic and nutritional factors: A prospective observational study
Sang-Ha Kim (Wonju, Republic of Korea), Sang-Ha Kim, Myoung Kyo Lee, Won-Yeon Lee, Suk Joong Yong, Seok Jeong Lee

PA2142 Clinical and microbiological characteristics and outcome of ARDS in India
Jaimin Mansuriya (Rajkot (Gujarat), India), Jaimin Mansuriya, Rajesh Chawla, Ravi Shekhar Jha, Uday Aditya Gupta, Tarun Rao

PA2143 Management of acute exacerbations of obesity-hypoventilation syndrome (AE/OHS) : Toward an early goal-directed therapy algorithm
Mohamed Boussarsar (Sousse, Tunisia), Jihen Ayachi, Khedher Ahmed, Ben Jazia Rahma, Meddeb Khaoula, Bouneb Rania, Aissa Sana, Ben Salem Halima, Gargouri Imen, Benzarti Mohamed, Ahmed Abdelghani, Boussarsar Mohamed

PA2144 Current practice in reducing perioperative and critical care pulmonary complications in obese patients: A review of London bariatric services
Thomas Carter (London, United Kingdom), Thomas Carter, Tim Knowles

PA2145 Triage of national early warning score(NEWS) in Pulmonary Medicine Ward at Central Chest Institute of Thailand
Kanlaya Panjapornpon (Nonthaburi, Thailand), Kanlaya Panjapornpon, Chommapa Kittisup, Runghiya Paicharoen, Nutachavee Oksue, Chanakarn Taeviriyakul, Somkuan Thammanech

PA2146 The impact of routine intensive care procedures on the endotracheal tube cuff pressure
Gordana Pavlisa (Zagreb, Croatia), Gordana Pavlisa, Hrvoje Puredic, Ervin Zuljevic, Andrea Vukic Dugac, Ana Hecimovic, Marko Jakopovic, Miroslav Samarzija

PA2147 Body mass index and pulmonary complications in critically ill black patients
O'Dene Lewis (Silver Spring, United States of America), O'Dene Lewis, Yewande Odeyemi, Julius Ngwa, Alicia Thomas, Alem Mehari

PA2148 Systemic, respiratory, and cardiovascular effects of occupational carbon monoxide poisoning (due to Soma mine disaster)
Yavuz Havlucu (Manisa, Turkey), Yavuz Havlucu, Fatma Eyyapan, Peri Arbak, Ece Kaya, Taci Erdem, Ahmet Atalan, Mehmet Unal Demiray, Ayusak Sakar Coskun, Arzu Yongancioglu
Difficult to wean COPD patients may benefit from higher inspiratory pressure non invasive ventilation
Yasser Noeman Ahmed (Alexandria, Egypt), Yasser Noeman Ahmed

Thematic Poster: New horizons for noninvasive ventilation in acute and chronic settings

Evaluating the impact of patient-selected CPAP interface on the treatment of OSA
Junyang Ken Goh (Singapore, Singapore), Junyang Ken Goh, Rui Ya Soh, Leong Chai Leow, Cheah Hooi Ken Lee, Thun How Ong, Gan Liang Tan, Hong Juan Han, Song Tar Toh, Pei Rong Song

Is home mechanical ventilation really effective in patients with amyotrophic lateral sclerosis?
Anda Hazenberg (Groningen, Netherlands), Anda Hazenberg, Huib Kerstjens, Peter Wijkstra

The role of sedation in NIV
Rachel Jones (BRISTOL, United Kingdom), Rachel Jones, Ari Manuel, Steve Twigg

Predictors of survival in severe COPD patients initiated on chronic NIV
Tim Raveling (Groningen, Netherlands), Tim Raveling, Peter Wijkstra, Gerrie Bladder, Jelle Nieuwenhuis, Marieke Duiverman

Noninvasive ventilation during percutaneous endoscopic gastrostomy in neuromuscular patients with severe ventilatory impairment
Eva Padrão (Braga, Portugal), Eva Padrão, Mafalda Van Zeller, Tiago Pinto, Rosa Ramalho, Anabela Marinho, Filipa Pires, Guilherme Macedo, Miguel Gonçalves

Outcome of non-invasive ventilation for acute respiratory failure in very old vs. younger patients
Adamantios Chloros (YIANNITSA, Greece), Adamantios Chloros, Varvara Ampelidou, Eva Serasli, Katerina Markopoulou, Michalis Agrafoitis, Dimitra Siopi, Evi Moulara, Venetia Tsara

Comparison of Wye Valley Trust motor neurone disease (MND) integrated care pathway with current NICE guidelines and monitoring of domiciliary non-invasive ventilation (NIV) via wireless modem
Beenish Inayat (BRISTOL, United Kingdom), Beenish Inayat, Anna Werpachowska, Michael Howard, Ingrid Du Rand

Characteristics of patients with hypoxemic respiratory failure due to pneumonia that respond to the application of a positive end expiratory pressure
Paola Faverio (Limbiate, Italy), Valentina Paolini, Stefano Aliberti, Paola Faverio, Grazia Messinesi, Giuseppe Foti, Anna Stainer, Federica De Giacomis, Alberto Pesci

Comparison of ventilator-integrated end-tidal $\text{CO}_2$ and transcutaneous $\text{CO}_2$ monitoring in home-ventilated neuromuscular patients
Adam Ogna (Pully, Switzerland), David Orlikowski, Helene Prigent, Xavier Ambrosi, Isabelle Vaugier, Sandra Pottier, Djillali Annane, Frederic Lofaso, Adam Ogna

Outpatient continuous positive airway pressure (CPAP) initiation in children: Feasibility and adherence to treatment
Alessandro Amaddeo (Paris, France), Alessandro Amaddeo, Annick Frapin, Sonia Khirani, Brigitte Fauroux

Pilot study reviewing patients on domiciliary non-invasive ventilation (NIV) in Tower Hamlets
Zulaiga Abrahams (London, United Kingdom), Zulaiga Abrahams, Jane Simpson

Home non-invasive ventilation (NIV): Patients cognitive performance and skills at setup
Maxime Patout (ROUEN, France), Maxime Patout, Gill Arbane, Jennifer Owusu-Afriyie, Laura Castaldi, Joerg Steier, Philip Marino, Nicholas Hart, Patrick Murphy

One-year experience of domiciliary non-invasive ventilation (NIV) monitoring via wireless modem in a district general hospital (DGH)
Anna Werpachowska (Hereford, United Kingdom), Anna Werpachowska, Beenish Inayat, Michael Howard, Ingrid Du Rand

Non-invasive ventilation (NIV) in acute and emergency care - Are we making the right decisions?
Jennifer Hunter (London, United Kingdom), Jennifer Hunter, Alexander Mackay

Sniff nasal inspiratory pressure test is an early marker of diurnal hypercapnia in amyotrophic lateral sclerosis patients. Preliminary results
Pierluigi Carratù (Bari, BA, Italy), Pierluigi Carratù, Giuseppina D’Alba, Lorenzo Marra, Silvano Dragonieri, Giuseppe Cassano, Alberto Capozzolo, Giorgio Castellana, Onofrio Resta
**Pa2166**

**Mouthpiece ventilation in Duchenne muscular dystrophy**  
Giuseppe Fiorentino (NAPOLI, NA, Italy), Giuseppe Fiorentino, Anna Annunziata, Maria Antonietta Mazza, Rosa Cauteruccio, Gianfranco Scotto di Frega, Anna Michelga Gaeta

**Pa2167**

**Is sniff inspiratory nasal pressure a useful test in the evaluation of patients with neuromuscular diseases?**  
Maria João Oliveira (Arcozelo - Vila Nova de Gaia, Portugal), Maria João Oliveira, Joana Gomes, Miguel Guimarães, Sara Conde

**Pa2168**

**Discontinuing non-invasive ventilation in severe chronic obstructive pulmonary disease exacerbations: A randomised controlled trial**  
Miquel Ferrer Monreal (BARCELONA, Spain), Miquel Ferrer Monreal, Jacobo Sellares, Pedro Antonio Anton, Carolina Bencosme, Rodrigo Alonso, Pilar Martinez-Olondriz, Hugo Loureiro, Javier Sayas, Virginia Pujares, Francisca Prieto, Esther Querol, Antoni Torres

**Pa2169**

**The effect of daytime PaCO2 on subjective sleep quality and HRQoLs in patients receiving long-term NIV**  
Tomomasu Tsuboi (Joyo, Japan), Tomomasu Tsuboi, Toru Oga, Takefumi Saito, Shohei Takata, Shuichi Yano, Tetsuro Ohdaira, Yoshiro Mochizuki, Toru Yamanaka, Masahiro Abe, Kensuke Sumi, Tachibana Hiromasa, Kazuo Chin

**Pa2170**

**Prognostic value of nocturnal hypoventilation in unventilated neuromuscular disease patients**  
Adam Ogna (Pully, Switzerland), Adam Ogna, Helene Frigent, Maria-Antonia Quera Salva, Sylvie Chevret, Nicholas Heming, Djillali Annane, Frederic Lofaso, David Orlikowski

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**T-03**

**Thematic Poster: Noninvasive ventilation and beyond: novelties and real-life applications**

**Chairs:** Antoine Cuvelier (Rouen, France), Aylin Özsancak Ugurlu (Istanbul, Turkey), Claudia Crimi (Catania, Italy), Saba Bokhari (Bolton, United Kingdom)

**Pa2171**

**Frequency and predictors of NIMV (non-invasive ventilation) failure in patients with haematological malignancies presenting with acute respiratory failure (ARF) at a tertiary care hospital in Karachi, Pakistan**  
Irfan Muhammad (Karachi, Pakistan), Farah Idrees, Muhammad Irfan

**Pa2172**

**Pulmonary severity score at admittance: Selection of site of care**  
Attila Nagy (Budapest, Hungary), Attila Nagy, Joseph Lükácsovits, Gergő Losonczy, Veronika Müller

**Pa2173**

**Evaluation of patient outcomes and adherence to NIV guidelines in a London hospital**  
Vassilis Angelis (London, United Kingdom), Vassilis Angelis, Dionisio Izquierdo, Terry O'Shaughnessy, Vladimir Macavei

**Pa2174**

**Extracorporeal CO2 removal for refractory hypercapnia in acute respiratory failure: A case series**  
Andrea Vianello (Padova, PD, Italy), Andrea Vianello, Giovanna Arcaro, Silvia Iovino, Claudia Rinaldo, Laura Battistella, Alberto Pavan, Beatrice Molen, Luciana Paladini, Maria Rita Marchi, Federico Gallan

**Pa2175**

**Cardiovascular comorbidity predictors of survival in patients with COPD hypercapnic acute respiratory failure**  
JESUS MANUEL PEREZ LAYA (Madrid, Spain), Jesus Manuel Perez Lay, Ignacio Peñas De Bustillo, Moises Oliveria Oujols, America Gil Fuentes, Diego German Rojas Tula

**Pa2176**

**Does obstructive lung disease impact the survival of patients with obesity-related respiratory failure treated with nocturnal NIV?**  
Chathika Weerasuriya (Cambridge, United Kingdom), Chathika Weerasuriya, Dariusz Wozniak, Syed Huq, Michael Davies

**Pa2177**

**Systemic corticosteroids doses in COPD exacerbations treated with non-invasive ventilation**  
NESTOR RODRIGUEZ MELEAN (Madrid, Spain), Nestor Rodriguez Melean, Daniel Lopez Padilla, Perla Valenzuela Reyes, Maria Emilia Banderas Montalvo, Luis Lopez Yepes, Ana Hernandez Both, Javier Sayas Catalan

**Pa2178**

**Non-invasive ventilation in non cystic fibrosis bronchiectasis**  
Maria da Assunção Silva Nuno Braz (Sª Comba da Vilariça, Portugal), Maria da Assunção Silva Nuno Braz, José Coutinho Costa, Cidália Rodrigues

**Pa2179**

**The evaluation of oral health in mechanically ventilated children at home: A pilot study**  
Nilay Ba (Istanbul, Turkey), Betul Sen, Ezgi Guneyuz, Nilay Bas Ikizoglu, Yasemin Gokdemir, Fazilet Karakoc, Bulent Karadag, Refika Eru, Gizem Ozbay, Sertac Peker, Betul Kargul

**Pa2180**

**The use of the cyclical sigh function in long term non-invasive ventilation (NIV) as a method of lung volume recruitment to control hypercapnia in a patient with severe chronic obstructive pulmonary disease (COPD)**  
Liam Campbell (Newcastle Upon Tyne, United Kingdom), Liam Campbell, Alison Armstrong

**Pa2181**

**New method of high frequency jet non-invasive assisted ventilation**  
Kontorovich Mikhail (Yeraterinburg, Russian Federation), Kontorovich Mikhail, Syskov Konstantin
Noninvasive positive pressure ventilation (NPPV) vs. invasive positive pressure ventilation (IPPV) in patients with caused by pneumonia mild to moderate ARDS
Yordanka Yamakova (SOFIA, Bulgaria), Yordanka Yamakova, Rosen Petkov, Yordan Dimitrov, Borislav Velev, Viktoria Ilieva

SIMVS (synchronized intermittent mandatory ventilation) mode and BCPAP (Boussignac continuous positive airway pressure) system indifficult-to-wean critically ill infants from mechanical ventilation
Anna Michela Gaeta (Solofra, Italy), Anna Michela Gaeta, Anna Annunziata, Rosa Cauteruccio, Gianfranco Scotto di Frega, Maria Antonieta Mazza, Giuseppe Fiorentino

Outcome predictors of noninvasive ventilation in patients with respiratory failure due to chronic obstructive pulmonary disease
Sead Zeynel (Skopje, FYROM (Macedonia)), Sead Zeynel, Sava Pejkovska, Biserka Kaeva, Zlatica Goseva, Zoran Arsovski, Elena Jovanovska

Functional effectiveness of auto-CPAP therapy in COPD patients with obstructive sleep apnea
Ksenia Nazarenko (Kiev, Ukraine), Ksenia Nazarenko, Liudmyla Iashyna, Yuri Feschenko, Svitlana Moskalenko, Svitlana Olimah, Iryna Chumak, Inna Zvol

Impacts of ventilator data download on managing patients receiving home non-invasive ventilation (NIV)
Stephanie Mansell (Guildford, United Kingdom), Stephanie Mansell, Steven Cutts, Isobel Hackney, Dean Creer

Investigation of COPD patients discharged without home mechanical ventilation after in-hospital use of acute non-invasive ventilation
Yasuhiro Kamii (Tokyo, Japan), Yasuhiro Kamii, Hirofumi Matsui, Takashi Hirose, Keita Takeda, Masahiro Ohgiya, Jun Suzuki, Masahiro Shimada, Shinobu Akagawa, Ken Ota

T-04

Thematic Poster: Multidimensional and multidisciplinary approaches to respiratory problems
Chairs: Roberto A. Rabinovich (Edinburgh, United Kingdom), Jason Weatherald (Calgary, Canada), Isaac Almendros (Hospital de Llobregat (Barcelona), Spain), Emilia Wietlik (Warsaw, Poland)

Effect of age on arterial oxygen content in patients with pulmonary arteriovenous malformations
Abeer Rizvi (Ilford, United Kingdom), Abeer Rizvi, Lydia Babawale, J.M.B. Hughes, James E. Jackson, Claire L. Shovlin

Time course of acid-base status in patients hospitalized in a pulmonary department
MARIA BOLAKI (Heraklion, Greece), Maria Bolaki, Michail Fanaridis, Gerasimos Lekatsas, Georgios Pitsidianakis, Ioanna Mitrousska, Nikolaos Tzanakis, Dimitris Georgopoulos

Respiratory acclimatization and psychomotor performance during 3 weeks at 3200m
Lara Muralt (Zurich, Switzerland), Lara Muralt, Michael Furian, Mona Lichtblau, Sayaka S. Aeschbacher, Maya Bisang, Alexey Nikiforov, Ross A. Clark, Almaz Aldashev, Talant Sooronbaev, Silvia Ulrich, Konrad E. Bloch

Postural control in COPD patients travelling from 760 m to 3200 m; randomized trial evaluating effects of dexamethasone
Lara Muralt (Zurich, Switzerland), Lara Muralt, Michael Furian, Mona Lichtblau, Sayaka S. Aeschbacher, Maya Bisang, Ross A. Clark, Almaz Aldashev, Talant Sooronbaev, Tsogyal Latshang, Sylvia Ulrich, Konrad E. Bloch

Heart rate variability in lung transplant recipients
Frédéric Lador (Genève 14, Switzerland), Timothée Fontolliet, Pietro Gianella, Vincent Pichot, Paola M. Soccal, Guido Ferretti, Frédéric Lador

Endothelial function in COPD vs coronary artery disease and healthy controls: An exploratory study
Eva Bernardi (Ferrara, Italy), Eva Bernardi, Veronica Cornelliisen, Giovanni Grazzi, Carlotta Merto, Luc Vanhees, Annalisa Cogo

Validity of chronic obstructive pulmonary disease simulation using straws
Kazuyuki Tabira (Nara, Japan), Kazuyuki Tabira, Hirofumi Mase, Kazuma Kawahara, Naomi Miyamoto

Structural validity of the Nijmegen questionnaire in physically active young adults
Irisz Karolina Levai (Bergen, Norway), Irisz Karolina Levai, James H. Hull, Greg Whyte, John W. Dickinson
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<th>PA2200</th>
<th>The strength of association of nocturnal hypoventilation with severity of sleep apnoea</th>
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<td>Nuno Cachada (Birmingham, United Kingdom), Nuno Cachada, Mindi Daniels, Biman Chakraborty, Rahul Mukherjee</td>
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<tr>
<th>PA2201</th>
<th>Is airflow obstruction associated with nontuberculous lesions on chest X-ray?</th>
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<td>YU-IL KIM (Gwang-ju, Republic of Korea), Yu-Il Kim, Jinsun Jang, HongJun Shin, Hyunju Seon, Taeok Kim, Chanwoo Park</td>
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<th>PA2202</th>
<th>Blood neutrophil responses to acute interval exercise in COPD</th>
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<td>Alex Jenkins (Lincoln, United Kingdom), Alex Jenkins, Arwel Jones, Rhys Thatcher, Keir Lewis</td>
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<tr>
<th>PA2203</th>
<th>Blunted parasympathetic reactivation in smokers after exogenous hypoxic provocation</th>
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<td>Peter Dimov (Plovdiv, Bulgaria), Zdravko Taralov, Kiril Terziyski, Peter Dimov, Blagoi Marinov, Stefan Kostianev</td>
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<th>PA2204</th>
<th>Altitude related adverse health effects in lowlanders with COPD travelling to 3200m</th>
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<td>Michael Furian (Zurich, Switzerland), Michael Furian, Mona Lichtblau, Sayaka S. Aeschbacher, Maya Bisang, Sara E. Hartmann, Marc Poulin, Tsogyal D. Latshang, Silvia Ulrich, Almaz Aldashev, Talant Sooronbaev, Konrad E. Bloch</td>
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<th>PA2205</th>
<th>Peak nasal inspiratory flow percent mean variation; an index of nasal lability</th>
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<td>Nishta Singh (JAIPUR (RAJASTHAN), India), Nishta Singh, Sheetu Singh, Rakesh Kumar, Virendra Singh</td>
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<th>PA2206</th>
<th>A successful pregnancy in a woman with severe idiopathic kyphoscoliosis: A case report</th>
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<td>Ilona Rousalova (Prague, Czech Republic), Ilona Rousalova, Alena Vlachova, Petr Korbelar, Lenka Patlejchova, Michal Andel</td>
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<th>PA2207</th>
<th>Respiratory muscles power and pulmonary function in pregnancy</th>
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<td>Omer Musa (Khartoum, Sudan), Omer Musa, Salma Elhadi</td>
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**T-05**  
**Session 378**  
**12:50 - 14:40**

**Thematic Poster:** Pathophysiological mechanisms at different levels: lung, airways, muscles and symptom perception

**Chairs:** Matteo Bonini (ROMA, RM, Italy), Nickolas Koulouris (Athens, Greece), Bruno-Pierre Dube (Montréal, QC, Canada), Zafeiris Louvaris (Agia Paraskevi, Attica, Greece)

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<th>PA2209</th>
<th>Physical activity is associated with allergic disease, but not allergic symptoms or sensitization, in adolescents</th>
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<td>Maia P Smith (Oberschleitheim, Germany), Maia Smith, Dietrich Berdel, Carl-Peter Bauer, Sibylle Koletzko, Dennis Nowak, Joachim Heinrich, Holger Schulz</td>
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<th>PA2210</th>
<th>Diaphragm motion of healthy adults studied by ultrasonography M-mode</th>
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<td>Yeonhee Park (Daejeon, Republic of Korea), Yeonhee Park, Jung-eun Lee, Jae-hee Seo, Sungju Lee, Kwang Sun Suh, Chang-gyu Lim, Cuk-seong Kim, Dong-II Park, Chae-Uk Chung, Jeong-Eun Lee, Hee-sun Park, Sung-su Jung, Ju-Ock Kim, Sun-young Kim, Jae Young Moon</td>
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<th>PA2211</th>
<th>Improvement of symptoms, FEV1 and FVC in adolescent elite swimmers during the summer break</th>
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<td>Rosa Maria ORTIZ COMINO (Warwick, United Kingdom), Rosa Maria Ortiz Comino, Pedro J Romero Palacios, Juan de Dios Luna Del Castillo, Omar S. Usmani</td>
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<th>Changes in physiological dead space/tidal volume ratio after pleural fluid drainage</th>
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<td>Stylianos Michaelides (Athens, Greece), Stylianos Michaelides, George Bablekos, George Ionas, Dimitrios Papadopoulos, Petros Bakakos, Konstantinos Charalambopoulos</td>
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<th>PA2213</th>
<th>Dynamics of lipid peroxidation products in exhaled breath condensate in asthmatics in response to dosed physical exercise</th>
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<td>Juliy M. Perelman (Blagoveshchensk, Russian Federation), Juliy Perelman, Anna Prikhodko, Leonid Nakhamchen, Eugene Borodin, Victor Kolosov, Mikhail Shtarkberg</td>
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<th>PA2214</th>
<th>Are schoolchildren respiratory symptoms related to ambient temperature?</th>
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<td>Hamida Kwas (ARIANA, Tunisia), Hamida Kwas, Yosra Houaneb Marghli, Ines Zendah, Hedia Bellili, Amel Khattab, Nizar Souissi, Habib Ghedira</td>
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<th>Asthma, asthma medication and training intensity in Swedish competitive athletes: An internet-based survey</th>
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<td>Tommie Irewall (Östersund, Sweden), Amanda Nåsman, Tommie Hjerën, Ulf Hallmarker, Anne Lindberg, Nikolai Stenfors</td>
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<th>Effects of a 6 week whole-body vibration training (WBVT) in stable COPD patients: A randomized clinical trial</th>
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<td>Maite Jiménez Siebert (Marburg, Germany), Maite Jiménez Siebert, Tobias Boeselt, Timm Greulich, Peter Alter, Felix Herth, Nicolas Kahn, Florian Bornitz, Claus Vogelmeier, Christoph Nell, Simone Hummler, Andreas Rembert Koczulla</td>
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<th>PA2217</th>
<th>Assessing response to methacholine challenges using a new forced oscillation device</th>
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<td>Claude Farah (Concord, Australia), Peta Hathaway, Joanna Watts, Leigh Secombe, Lachlan Buddle, Gregory King, Cindy Thamrin, Claude Farah</td>
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**PA2218**

**Dyspnea, inspiratory and expiratory muscles in mild and severe COPD compared to healthy individuals**

ANDRÉ LUIS PEREIRA DE ALBUQUERQUE (SÃO PAULO/SP, Brazil), Marcelo Macchione, Leticia Cardenas, Jeferson Ferreira, Renata Plestich, Mayra Pereira, Vinicius Iamonti, Pauliane Santana, Pedro Caruso, Carlos Roberto Carvalho, André Luís Albuquerque

**PA2219**

**Do athletes have an increased capacity to condition inspired air?**

Julie Turmel (Quebec, Canada), Julie Turmel, Simon-Pierre Moreau, Hélène Villeneuve, Louis-Philippe Boulet

**PA2220**

**Effects of physical conditioning in untrained individuals with exercise-induced laryngeal obstruction - A randomised controlled trial**

Emil Schwarz Walsted (London, United Kingdom), Emil Schwarz Walsted, Kiran Mirza, Vibeke Backer

**PA2221**

**The incidence of asthma among Swedish elite endurance athletes**

Tommie Irewall (Östersund, Sweden), Tommie Hjerén, Lars Söderström, Anne Lindberg, Nikolai Stenfors

**PA2222**

**In-vivo and in-vitro functional residual capacity comparisons between multiple breath nitrogen washout devices**

Katrina Tonga (Sydney, NSW, Australia), Katrina Tonga, Cindy Thamrin, Claude Farah, Paul Robinson, Gregory King

**PA2223**

**E valuation of exercise-induced respiratory symptoms in adolescents**

Maria Alvarenga Santos (LISBOA, Portugal), Susana Maria Gonçalves Clemente, Maria Alvarenga, Filipa Todo Bom, Silvia Rodrigues, Liliana Gomes, Ana Campos, Inês Alves, Jorge Rosa, Sofia Furtado

**PA2224**

**Measurement of lung function deterioration in COPD by V/P SPECT**

Ari E. Lindqvist (Helsinki, Finland), Marika Bajc, J. Wang, C.Z. Wang, Ari E. Lindqvist, X.Y. He

**PA2225**

**Positive expiratory pressure breathing accelerates recovery of exertional dyspnea in participants with COPD: A randomised cross over trial**

Chulee Jones (Khon Kaen, Thailand), Chulee Jones, Khajonsak Pongpanit, Watchara Boonsawat, David Jones

**PA2226**

**Lung diffusion capacity in elite athletes**

Biljana Lazovic (Belgrade, Republic of Serbia), Vladimir Žugić (Beograd, Republic of Serbia), Biljana Lazovic, Vladimir Žugić

**PA2227**

**Isolated reduction in residual volume on body plethysmography is an early indicator of parenchymal lung disease**

M Sajjad Sarwar (Karachi, Pakistan), M. Sajjad Sarwar, Muhammad Irfan, Ali B.S. Zubairi

**PA2228**

**Spriometry in normal Indians: Towards establishing a new prediction equation**

Sujeet Rajan (MUMBAI (MAHARASHTRA), India), Sujeet Rajan, Swapnil Kulkarni, Namrata Kewalramani, Sapna Madas, Niranjan Kulkarni

**T-06**

**Session 379**

12:50 - 14:40

Thematic Poster: Lung function and imaging: new findings and new approaches

**Chairs**: Andre Albuquerque (São Paulo, Brazil), Bruno Degano (Besançon, France), Fabiano Di Marco (Trezzano, Italy), Francesca Polverino (Boston, United States of America)

**PA2229**

**Usefulness of FEV \textsubscript{1}/SVC to uncover airflow obstruction in subjects with preserved FEV \textsubscript{1}/FVC**

J. Alberto Neder (Kingston, Canada), Mathieu Saint-Pierre, Jamil Ladha, Danilo Berton, Angie Zapotichny, Denis Faubert, Lori Crozier-Wells, Julianna Tang, Cathy Muir, Lutz Forkert, Denis O’Donnell, Jose Alberto Neder Serafini

**PA2311**

**Effects of forced exhalations and cough on surfactant content and size distribution of exhaled particles**

Per Larsson (Gothenburg, Sweden), Per Larsson, Björn Bake, Anita Wallin, Oscar Hammar, Ann-Charlotte Almstrand, Mona Lårstad, Evert Ljungström, Ekaterina Mirgorodskaya, Anna-Carin Olin

**PA2321**

**Regional specific gas volume as an early marker of chronic lung allograft dysfunction (CLAD)**

Caterina Salito (Milan, Italy), Caterina Salito, Andrea Aliverti, Alessandro Palleschi, Rosaria Carrinola, Letizia Morlacchi, Valeria Rossetti, Paolo Tarsia, Mario Nosotti

**PA2333**

**Cluster analysis and lung function in sickle cell disease**

Alan Lunt (London, United Kingdom), Alan Lunt, Emily McGhee, David Rees, Sue Height, Gerrard Rafferty, Swee-Lay Thein, Anne Greenough

**PA2335**

**Levosimendan reduces cholinergic bronchoconstriction: The role of \textit{K}_{ATP} channels**

Roberta Sudy (Szeged, Hungary), Roberta Sudy, Adam L. Balogh, Gergely H. Fodor, Barna Babik, Ferenc Petak, Orsolya Ivankovitsne Kiss
Volumetric capnography in distinct phenotypes of COPD patients
Monica Corso Pereira (Campinas, Brazil), Monica Corso Pereira, Silvia Maria Silva Doria, Marcos Melo Moreira, Eduardo Melo De Capitani, Ilma Aparecida Paschoal

Peripheral airway function at 12 months post allogeneic haematopoietic stem cell transplantation (allo-HSCT)
Christopher Hun (St Leonards, Australia), Christopher Hun, Robin Schoeffel, Samir Lahzami, Craig Phillips, Alun Pope, Paul Robinson, Gregory King

Evaluation of bronchodilator response in healthy subjects using pulmonary function test and impulse oscillometry system
Yukiko Matsuura (chiba, Japan), Yukiko Matsuura, Naoko Kawata, Yoriko Iesato, Ken Iesato, Kazutoshi Sugiura, Jun Ikari, Yui Tada, Koichiro Tatsumi

Strategies to reverse lung function deterioration to cardiopulmonary bypass: Comparison of ventilation management and/or bronchodilator therapies
Ferenc Peták (Szeged, Hungary), Ferenc Peták, Adam L. Balogh, Gergely H. Fodor, Edit Vigh, Roberta Sudy, Barna Babik

Effects of posture and sleep in respiratory mechanics detected by forced oscillation technique (FOT)
Emiliano Gatti (Torino, Italy), Emiliano Gatti, Laura Maugeri, Enrico Mellano, Raffaele Dellacà, Carlo Gulotta

Can human breathing be measured under true ecological conditions?
Pierantonio Laveneziana (Paris, France), Pierantonio Laveneziana, Marie-Cécile Niérat, Bruno-Pierre Dubé, Ros-Kiri Ing, Thomas Similowski

Reference lung values for ethnically diverse Nepalese population residing at wide range of altitudes
Maniraj Neupane (Kathmandu, Nepal), Maniraj Neupane, Annalisa Cogo, Delan Devakumar, Om Kurmi, Eva Rehfuess, Buddha Basnyat, Rainald Fischer, Jon Ayres, Philip Quanjer

Regional dynamic lung strain and specific elastance imaged by synchrotron computed tomography
Sam Bayat (Geneva, Switzerland), Liisa Porra, Gergely Albu, Loïc Déreguilliers, Ludovic Broché, Matts Wallin, Magnus Hallbäck, Ferenc Peták, Walid Habre, Sam Bayat

Quantitative chest CT (QCT) measurements in World Trade Center (WTC) workers and volunteers with accelerated air flow decline
Rafael E. de la Hoz (New York, United States of America), Rafael E. de la Hoz, Raúl San José Estépar, John T. Doucette, Juan P. Wisnivesky, David A. Lynch

Structure-function relationships in the lungs of cystic fibrosis (CF) patients using multi-volume high-resolution CT (HRCT) and proton MRI (1H-MRI)
Francesca Pennati (Milan, Italy), Francesca Pennati, Caterina Salito, David Roach, John Clancy, Alan Brody, Robert Fleck, Andrea Aliverti, Jason Woods

Bronchodilation assessment by oscillometry in adult asthmatic patients
Carla Martins (Agua Longa, Portugal), Carla Martins, Leonor Carneiro-Leão, Artur Vilela, Mário Miranda, José Luís Plácido

Spirometry in the 5000 subjects of the LifeGene pilot study in Sweden: Evaluating different reference equations, BMI and thorax measurements
Martin Anderson (Hägersten, Sweden), Martin Anderson, Mikaela Qvarfordt, Magnus Svardengren

Optoelectronic plethysmography (OEP) in the assessment of dysfunctional breathing (DB) in athletes
Irisz Karolina Levai (Bergen, Norway), Irisz Karolina Levai, Carlo Massaroni, James H. Hull, Greg Whyte, Sergio Silvestri, Samantha Winters, John W. Dickinson

Thematic Poster: Respiratory muscles and airways function: from physiology to clinical implications
Chairs: Maurice Hayot (Montpellier Cédex 5, France), Einar Thorsen (Bergen, Norway), Antonella LoMauro (Milan, Italy), Thomas Gille (BOBIGNY, France)

Inspiration capacity generated by neural respiratory drive could be further increased by CO2
Yingmei Luo (Guangzhou, China), Yingmei Luo, Hua Qin, Baiting He, Lian Zhou, Zhihui Qiu, John Moxham, Michael Iain Polkey, Yuanming Luo

Inspiratory capacity generated by neural respiratory drive could be further increased by inhalation of CO2
Yingmei Luo (Guangzhou, China), Yingmei Luo, Hua Qin, Baiting He, Lian Zhou, Zhihui Qiu, John Moxham, Michael Iain Polkey, Yuanming Luo
| PA2252 | The value of capnogram parameters to detect adverse lung mechanical changes following cardiopulmonary bypass | József Tolnai (Szeged, Hungary), József Tolnai, Ferenc Peták, Gergely Fodor, Ádám L. Balogh, Zsófia Csonba, Barna Babik |
| PA2253 | Supraventricular contribution: Index of diaphragmatic weakness (DW) in amyotrophic lateral sclerosis (ALS) | Antonella LoMauro (Milan, Italy), Antonella Lo Mauro, Paolo Banfi, Andrea Aliverti |
| PA2254 | Influence of heart failure on resting inspiratory volumes in patients with COPD | J. Alberto Neder (Kingston, Canada), J. Alberto Neder, Aline Souza, Friscila Sperandio, Adriana Mazzuco, Maria Clara Alencar, Flavio Arbex, Denis O’Donnell |
| PA2255 | Comparison of thoracoabdominal synchrony using two methods in healthy subjects, chronic obstructive and interstitial lung disease | ANDRE LUIS PEREIRA DE ALBUQUERQUE (SAO PAULO/SP, Brazil), Mayra Caleffi Pereira, Jeferson Ferreira, Vinicius Iamonti, Patricia Trevisan, Andre Apanavicius, Pauliane Santana, Letícia Cardenas, Carlos Roberto Ribeiro de Carvalho, Pedro Caruso, Andre Luis Pereira de Albuquerque |
| PA2256 | Overreading of FRC using N₂ MBW compared to plethysmography and SF₆ MBW in COPD | Alan Bell (Stockport, United Kingdom), Alan Bell, Dave Singh, Alex Horsley |
| PA2257 | Specific cystic fibrosis (CF) abnormalities studied by multi-volume CT and proton MRI (1H-MRI) | Francesca Pennati (Milan, Italy), Francesca Pennati, Andrea Aliverti, David Roach, John Clancy, Jason Woods |
| PA2258 | Relationship between clinical and functional outcomes with resting inspiratory muscle strength in chronic respiratory diseases | Pietro Merola (Porto Alegre, Brazil), Pietro Merola, Franciele Plachi, Ricardo Gass, Rui Gustavo Dorneles, Luiz Felipe Frolich, Marcelo Gazzana, Marli Knorst, José Alberto Neder, Danilo Berton |
| PA2259 | Influence of inspiratory muscle weakness in exercise capacity of patients with chronic thromboembolic pulmonary hypertension (CTEPH) | João Victor Rolim (São Paulo, Brazil), João Victor Rolim, Roberta Pulcheri Ramos, Eloara V.M. Ferreira, Gabriela A.M. Figliolino, Ivan Ivanaga, Angelo Cepeda, Carolina Messina, Camila Costa, Luiz Eduardo Nery, Jaquelina Sonoe Ota-Arakaki |
| PA2260 | Comparative analysis of estimated and measured maximal voluntary ventilation in patients with pulmonary hypertension | Sheila Gonçalves (Lisbon, Portugal), Sheila do Rosário Da Cruz Nunes Gonçalves, Gabriela A.M. Figliolino, Roberta Pulcheri Ramos, Eloara V.M. Ferreira, Angelo Cepeda, Ivan Ivanaga, João Victor Rolim, Meyer Izbicki, Jaquelina Sonoe Ota-Arakaki, Luiz Eduardo Nery |
| PA2261 | Evaluation of maximal inspiratory and expiratory pressures in neuromuscular patients: Comparison between two different equipments | Maria João Oliveira (Arcozelo - Vila Nova de Gaia, Portugal), Maria João Oliveira, Sara Conde, Inês Ladeira, Ricardo Lima, Miguel Guimarães |
| PA2262 | Respiratory system impedance with impulse oscillometry in Parkinson’s disease: Relation with disease severity | Anjana Talwar (Noida, India), Meghashree Sampath, Anjuna Talwar, Ashok Jaryal, Vinay Goyal, Achal Srivastava, Kishore Kumar Deepak |
| PA2263 | Total respiratory impedance by impulse oscillometry (IO) in patients with pulmonary tuberculosis (PT) | Larisa Kiryukhina (Saint Petersburg, Russian Federation), Larisa Kiryukhina, Olga Volodich, Pavel Gavrilo, Leonid Mikhailov, Liudmila Archakova, Elmira Zilber, Piotr Yablonskii |
| PA2264 | Quality of spirometry in primary care in Navarra (Spain) | Pilar Carmen Cebollero Rivas (Pamplona (Navarra), Spain), Pilar Carmen Cebollero Rivas, M. Carmen Bermejo Navas, Francisco Campano Lanchero, Jorge Zagaceta, Sonia Herrero Martín, María Jesus Martinez, Amparo Urrizburu, Javier Huerto Pérez de Heredia |
| PA2265 | Measuring lung inhomogeneity in early chronic lung disease | Peter A. Robbins (Oxford, United Kingdom), Peter A. Robbins, James Mountain, David O’Neill, Luca Ciaffoni, John Couper, Jon Whiteley, Gus Hancock, Grant Ritchie |
| PA2266 | Increase in maximal expiratory mouth pressures (MEPs) following climbing at altitude on Everest | Anne Mier (London, United Kingdom), Anne Mier, Ghassan Alusi, John Monson |
Correlation between exercise capacity with FVC%, FEV1% and RV% in patients with airways diseases and severe and very severe lung function obstruction

Vanessa Maria Ferreira dos Santos (Ovar, Portugal), Vanessa Maria Ferreira dos Santos, Rita Boaventura, Leonor Meira, Paula Martins, Luís Gaspar, Emília Araújo, Paulo Viana, Isabel Gomes

Dobutamine decreases an elevated airway tone similar to dopamine in rats

Gergely H. Fodor (Szeged, Hungary), Gergely H. Fodor, Adam L. Balogh, Roberta Sudy, Orsolya Ivankovitsne Kiss, Barna Babik, Ferenc Petak

Arterial oxygen content primarily reflects haemoglobin concentration in a cohort of hypoxaemic patients

Claire Shovlin (London, United Kingdom), Claire Shovlin, Basel Chamali, Vatshalan Santhirapala, Hannah Tighe, James Jackson

Circulatory and ventilatory power: New indices to assess cardiorespiratory responses in diabetics

Daniela Bassi (Sao Carlos, Brazil), Daniela Dutra, Vivian Arakelian, Renata Mendes, Flávia Caruso, Jose Bonjorno Junior, Ross Arena, Audrey Borghi-Silva

Is exercise tolerance different in COPD and bronchiectasis patients who are severely obstructed?

Leonor Meira (Leça da Palmeira, Portugal), Leonor Meira, Rita Boaventura, Vanessa Santos, Ermelinda Eusébio, Paula Martins, Emília Araújo, Luís Gaspar, Isabel Gomes

Repetitive, intense hyperpnea to reduce bronchial reactivity in asthmatics - A pilot study

Philipp A. Eichenberger (Zurich, Switzerland), Philipp A. Eichenberger, Andrea Kurzen, Stephanie N. Diener, Thomas A. Scherer, Christina M. Spengler

A comparison of near-infrared spectroscopy and indirect calorimetry variables in the 6-minute walking test between healthy elderly and COPD patients

Luís Vidotto (London, United Kingdom), Laís Vidotto, Claudia Roberta Dos Santos, Mayara Manzoni, Josiane Felcar, Cosme Buzzachera, Vanessa Probst

Aerobic capacity and ventilatory efficiency during exercise in patients with heart failure with and without oscillatory ventilation at an altitude of 2600 meters

Carlos Andrés Celis Preciado (Bogota, Cundinamarca, Colombia), Carlos Andrés Celis Preciado, Javier Lasso

Correlation of composite physiologic index with 6-minute walk test variables in patients with idiopathic interstitial pneumonias

Esteban Gabazza (Tsu-Mie, Japan), Keisuke Morikawa, Yasunori Imaoka, Hiroyuki Takemura, Shogo Inaba, Syunta Shimoda, Makoto Okada, Esteban Cesar Gabazza Sanabria, Osamu Hataji

Effect of antituberculosis treatment on cardiopulmonary responses to exercise in pulmonary tuberculosis

Ashok Bansode (Parbhani (Maharashtra), India), Ashok Bansode, Tilakchand Dhamgaye, Kapil Iyer, Swapnil Kulkarni, Mahesh Jansari

Dietary nitrate supplementation and exercise tolerance in chronic heart failure: A double-blind, randomized, placebo-controlled, crossover trial

Daniel Hirai (Kingston, ON, Canada), Daniel Hirai, Joel Zelt, Joshua Jones, Robert Bentley, Wendy Earle, Patti Staples, Michael Tschakovsky, John McCans, Denis O’Donnell, J. Alberto Neder

Stops and its correlation with new measurements during the six-minute walk test in patients with chronic obstructive pulmonary disease

Carlos Andrés Celis Preciado (Bogota, Cundinamarca, Colombia), Carlos Andrés Celis Preciado, María José Fernández, Ximena Correa

Effects of respiratory warm-up exercises on exercise-induced bronchoconstriction

Philipp A. Eichenberger (Zurich, Switzerland), Philipp Eichenberger, Thomas A. Scherer, Christina M. Spengler

Correlation of air trapping in COPD with nadir to peak increment of ventilatory equivalents at maximal effort

Rottem Kuint (Jerusalem, Israel), Rottem Kuint, Neville Berkman, Samir Nusair

Influence of age, weight and height on oxygen pulse during maximal exercise

Wilaiwan Khrisanapant (Khan Kaen, Thailand), Wilaiwan Khrisanapant, Tichanon Promsrisuk, Orapin Pasurivong, Watchara Boonsawat, Boonsong Patjanasontorn, Paitoon Benjapornlert
Estimation of peak oxygen uptake in obese patients with metabolic syndrome
Alexandre Darmon (PARIS, France), Alexandre Darmon, David Debeaumont, Catherine Tardif, Pierre Dechelotte, Caroline Thill, Luc Thiberville, Jeremy Coquart

Exercise tolerance and ventilatory response in patients with type-1 diabetes
Irene Turinese (Rome, Italy), Irene Turinese, Paolo Marinelli, Marco Rossetti, Giovanni Statuto, Tiziana Filardi, Matteo Bonini, Alberto Paris, Susanna Morano, Paolo Palange

Tabagism, Physical activity and cardiovascular risk in youth. An analysis of MACISTE study
Giuseppe Fiorenzano (San Gemini, Italy), Giuseppe Fiorenzano, Giacomo Pucci, Francesca Battista, Fabio Anastasio, Mariano Edoardo Crapa, Leandro Sanesi, Lucas Troiani, Marco D’ Abbondanza, Giuseppe Schillaci

Validity of 50m walking test in obese patients
Christina Priegnitz (Solingen, Germany), Christina Priegnitz, Marcel Treml, Kerstin Richter, Winfried J. Randerath

LATE-BREAKING ABSTRACT: Upper-body strength is associated with better spirometry in adolescents of GIN plus, LISA plus cohorts
Maia P Smith (Oberschleißheim, Germany), Maia P. Smith, Marie Standl, Dietrich Berdel, Andrea von Berg, Carl-Peter Bauer, Tamara Schikowski, Irina Lehmann, Holger Schulz

Thematic Poster: Hypoxia, oxidative stress, and biomarkers in obstructive sleep apnoea
Chairs: Jan A. Hedner (Gothenburg, Sweden), Renaud Tamisier (GRENOBLE, France), Walter McNicholas (Dublin, Ireland), Chair to be confirmed

Chronic intermittent hypoxia induces liver injury in mice with diet induced obesity via TLR 4/M yD 88/MAPK/NF-kB signaling pathways
Hyeon Hui Kang (Seoul, Republic of Korea), Jin Young Mo, Hwa Sik Moon

Adiponectin can improve chronic intermittent hypoxia induced genioglossus contractile dysfunction
Xilong Zhang (Nanjing, China), Xiaofeng Zhang

The effect of 5-HT \textsubscript{1A} receptor on the upper airway of chronic intermittent hypoxia rats
Yin Zou (Shenyang, China), Wei Wang, Aidi Wang, Ling Zhou

Changes in inflammatory mediators as a result of intermittent hypoxia in obstructive sleep apnoea syndrome
Hafize Uzun (STANBUL, Turkey), Müge Kutnu, Ersan Atahan, Buet Caliskaner Ozturk, Ergi Hysi, Cansu Cabuk, Benan Müsellim, Gonul Simsek, Hafize Uzun

Correlation between severity of obstructive sleep apnea (Osa) and serum total cholesterol: HDL cholesterol (Tc:HDL) ratio
Jai Kumar Samaria (Varanasi, India), Shubham Agrawal, Praveen K. Singh, Mohit Bhatia, S.C. Matah

Lipopolysaccharide alters the pattern of breathing and Hering-Breuer reflexes in anaesthetized rats
Tatiana Tumanova (St. Petersburg, Russian Federation), Viacheslav Aleksandrov

A major inflammatory cytokine IL-1 \textsubscript{B} inhibits the ventilatory response to hypoxia
Nina P Aleksandrova (St. Petersburg, Russian Federation), Galina A. Danilova

Interrelationships between oxidative stress and MMP-9 in subjects with severe obstructive sleep apnea syndrome
Baldassare Canino (Palermo, Italy), Eugenia Hopps, Rosalia Lo Presti, Vincenzo Calandrino, Gregorio Caimi

Association between 25-hydroxyvitamin D and interleukin 17 levels in severe obstructive sleep apnea syndrome
Sonia Toujani Chekki (Tunis, Tunisia), Sonia Toujani Chekki, Jouda Cherif, Wajih Kaabachi, Meriem Mjid, Houda Snene, Nozha Ben Salah, Yacine Ouahachi, Bechir Louzir, Kamel Hamzaoui, Majed Beji

The role of the complement system in the pathomechanism of obstructive sleep apnea syndrome
Péter Horváth (Budapest, Hungary), Péter Horváth, Zsófia Lázár, Rita Puskás, Gabriella Gálfy, György Losonczy, Zászló Kunos, András Bikov

Does the neutrophil-to-lymphocyte ratio have any importance between subjects with obstructive sleep apnea syndrome with obesity and without obesity?
Fulsen Bozkus (Kahramanmaras, Turkey), Anil Samur

Optogenetic silencing of selected serotonin neurons in the control of CO\textsubscript{2}-induced arousal
Rika MORIYA (Ota, Tokyo, Japan), Akira Yoshikawa, Kenji F. Tanaka, Satoshi Hokari, Yasuyoshi Ohshima, Mashahiko Izumiizaki
Long term changes of C-reactive protein (CRP) in obstructive sleep apnoea (OSA) with or without treatment

Ana Lucía Figueredo Cacacho (Zaragoza, Spain), Ana Lucía Figueredo Cacacho, Teresa Martín Carpi, Dinora Polanco Alonso, Ana Lilian Simon Robles, Victoria Gil Gomez, Pablo Cubero Marin, Marta Forner, Santiago Carrizo Sierra, Salvador Bello, José María Marín Trigo

A study on the association between the severity of newly diagnosed obstructive sleep apnea and subclinical carotid atherosclerosis in patients without overt cardiovascular disease

Dimosthenis Lykouras (PATRA, Greece), Kleanthis Theodoropoulos, Dimosthenis Lykouras, Kirikas Karkoulias, Dushyant Damania, Aspasia Rigopoulos, George Hahalis, Ioannis Starakis, Costas Spioropoulos

LATE-BREAKING ABSTRACT: Hypoxia-inducible 5-eicosatetraenoates are potential metabolite markers for screening obstructive sleep apnea

Hyun-Woo Shin (Seoul, Republic of Korea), Hyun-Woo Shin, Kumsun Cho, Chae-Seo Rhee, Il-Hee Hong, Daeho So, Joo-Youn Cho, Jong-Wan Park

Thematic Poster: Clinical presentation, daytime symptoms, and screening of obstructive sleep apnoea

Chairs: Bernd M. Sanner (Wuppertal, Germany), Stefan A. Mihaicuta (Timisoara, Romania), Sophia E. Schiza (Heraklion, Greece), Thorarinn Gislason (Reykjavik, Iceland)

Athens insomnia scale in obstructive sleep apnea patients and factor structure analysis

Athanasia Pataka (Thessaloniki, Greece), Athanasia Pataka, Evdokia Sourla, Sofia Akritidou, Seraphim Kotoulas, Evangelia Panagiotidou, George Kalamaras, Nikolaos Chavouzis, Paraskevi Argyropoulou

Prevalence of anxiety disorder and depression in newly diagnosed obstructive sleep apnea patients

Paschalis Steiropoulos (Alexandroupolis, Greece), Areti Batzikosta, Paschalia Tiaga, Evangelia Nena, Eleni Perantoni, Nicholas-Tiberio Economou, Paschalis Steiropoulos

Excessive daytime sleepiness in the general population: Experiences from the use of an online Epworth sleepiness scale

Jennifer Boyes (London, United Kingdom), Jennifer Boyes, Panagis Drakatos, Ian Jarrold, Judy Harris, Joerg Steier

Tiredness or sleepiness in obese patients - What should we consider?

Ahmad Kamal Azri Abi Musa Asa`ari (Stafford, United Kingdom), Ahmad Kamal Azri Abi Musa Asa`ari, Ashwin Rajhan, Nathalie Bryan, Ajit Thomas, Martin Allen

Subjective sleep quality in a coronary care unit

Simone CHAVES FAGONDÉS (PORTO ALEGRE/RS, Brazil), Simone Chaves Fagondes, Flavia Gabe Beltrami, Bruno Rocha de Macedo, Angela Beatriz John, Simone Fagondés

The predictive value of STOP-BANG and Epworth questionnaires prior to coronary artery bypass surgery on postoperative pulmonary complications

Özlem Erçen Diken (Çorum, Turkey), Özlem Erçen Diken, Adem Ilkay Diken, Adnan Yağcıklı, Sertan Özyalçı, Mehmet Emir Erol, Hasan Oner

STOP-BANG questionnaire overestimates sleep apnea in asthmatic patients with nocturnal symptoms

Margarida Dias (Vila Nova de Gaia, Portugal), Margarida Dias, Maria João Oliveira, Dulce Apolinário, Daniela Ferreira, Inês Ladeira, Ivone Pascoal, Aurora Carvalho, Ricardo Lima

BOAH - A shorter version of STOP-BANG questionnaire for prioritizing patients for polysomnography in sleep clinic

Agata Gabryelska (Gdansk, Poland), Łukasz Mokros, Wojciech Kuczynski, Agata Gabryelska, Piotr Bialasiewicz

Application of cluster analysis in OSA population

Donato Lacedonia (Molfetta, Italy), Donato Lacedonia, Giovanna E. Carpanzano, Roberto Sabato, Maria Maddalena Lo Storto, Giulia Patricelli, Maria Pia Foschino Barbaro, Crescenzio Gallo

Determining breathing or snoring episodes and apneas during sleep using acoustic signal from the neck

Marcel Mlynczak (Warsaw, Poland), Marcel Mlynczak, Wojciech Kukwa, Ewa Migacz, Maciej Migacz

Submental and neck ultrasonography measurements in patients with obstructive sleep apnea

Flaminio Mornile (ROMA, RM, Italy), Flaminio Mornile, Luca Viglietta, Annelisa Mastrobattista, Andrea Smargiassi, Marcello Bosi, Salvatore Valente

Over diagnosis of sleep apnoea: A comparison of three common ambulatory sleep polygraphs

Neil Skjodt (Lethbridge, AB, Canada), Neil Skjodt, Ronald S. Platt, Samaneh Sharrar, Amin Habib, Jocelyne Lamoureux
The association between obstructive sleep apnea syndrome and vitamin D deficiency
Banu Musaffa Salepci (Istanbul, Turkey), Banu Musaffa Salepci, Benan Caglayan, Elif Torun Parmaksiz, Nesrin Kiral, Ali Fidan, Sevda Sener Comert, Coskun Dogan, Gulten Aktin Gungor

Obstructive sleep apnea in adults with Down syndrome
LAYLA DIAB CACERES (Madrid, Spain), Layla Diab Caceres, Carmen Acosta, Pedro Landete, Enrique Zamora, Joan B. Soriano, Julio Ancochea

Pericardial effusion in patients with obstructive sleep apnea syndrome without daily hypoxemia and pulmonary arterial hypertension
Ventsislava Pencheva (Sofia, Bulgaria), Ventsislava Pencheva, Emil Manov, Daniela Petrova, Radoslav Bilyukov, Ognian Georgiev, Tzanko Mondeshki

Prevalence of symptomatic gastroesophageal reflux disease (GERD) in severe obstructive sleep apnea (OSA)
AGUSTIN VALIDO MORALES (MAIRENA DEL ALJARAFE, Spain), Agustin Valido Morales, Manuel J. Rodriguez-Téllez, Virginia Almadana Pacheco, Mario Boyd Higuera, Teodoro Montemayor Rubio

Is polysomnographic examination necessary in subjects with diaphragm pathologies?
Ozlem Malas Oruc (STANBUL, Turkey), Ozlem Malas Oruc, Sema Saraç, Gülçin Çetintas, Özgür Bilgen Topçuoglu, Serda Kanbur, Irfan Yalçinkaya, Gökhan Kirbas, Emine Nilgun Ordu

Sleep characterization by finger plethysmography in COPD patients
Mudiaga Sowho (Baltimore, United States of America), Mudiaga Sowho, Hartmut Schneider

Determining the relationship between sleep quality with mental health in 850 pulmonary patients
Mitra Safa (TEHRAN, Islamic Republic of Iran), Mitra Safa, Fatemeh Ghassem Boroujerdi, Bamdad Mirab Zadeh Ardakani, Farzaneh Haji Zadeh, Khashayar Mirab Zadeh Ardakani

The adverse effects of mobile device-based electronic and social media use on sleep and mood in a group of American university students
Peter Polos (Edison, United States of America), Peter Polos, Sushanth Bhat, Hinesh Upadhyay, Genevieve Pinto-Zipp

Catathrenia as a REM predominant disorder of arousal
Brian Kent (London, United Kingdom), Panagis Drakatos, Sean Drakatos, Sean Higgins, Iain Duncan, Sara Stevens, Sakina Dastagir, Rexford Muza, Adrian Williams, Guy Leszhiner, Brian Kent

The usefulness of five nap opportunities in multiple sleep latency tests for the diagnosis of narcolepsy
Dimosthenis Lykouras (PATRA, Greece), Rexford Muza, Dimosthenis Lykouras, Kate Rees, Panagis Drakatos, Sean Higgins, Brian Kent, Guy Leszhiner, Adrian Williams

Prevalence of SAHS in uncomplicated normal pregnant women in the third trimester
Núria Toledo Pons (PALMA DE MALLORCA, Spain), Núria Toledo Pons, Elisabetta Nervo, Ainhoa Álvarez Ruiz de Larrinaga, Alberto Alonso-Fernandez, B. Muriá Díaz, Mercedes Codina, J.L. Manjón, E. Montoliu, L. Mora, A. Sánchez, I. Del Horno, Joan Soriano, J. Duran-Carro, Meritxell Arqué, María de los Ginémez, M.J. Mendoza, D. Mohamed, M. Bosch, L. Guerra, Mónica De la Peña, Antonia Barceló, A. Saez de Lafuente, Javier Pierola Lopetegui, Egea Santaolalla, Joaquin Durán-Cantolla, J.M. Marin

Validation study of a respiratory polygraphy (Alice PDx) for the diagnosis of sleep apnoea-hypopnoea syndrome in pregnant women
ELISABETTA NERVO (Palma de Mallorca, Spain), Elisabetta Nervo, Núria Toledo Pons, Alberto Alonso Fernandez, A. Alvarez Ruiz de Larrinaga, B. Muriá Díaz, Mercedes Codina, J.L. Manjón, E. Montoliu, A. Sanchez, I. Del Horno, J.B. Soriano, J. Duran-Carro, M.J. Mendoza, Merixell Arqué, M.P. Gimenez, D. Mohamed, M. Bosch, L. Guerra, Monica De la Peña, A. Barceló, A. Saez de Lafuente, J. Pierola Lopetegui, C. Egea Santaolalla, J. Duran-Cantolla, J.M. Marin, L. Mora

Sleep disordered breathing in young children: Should we wait for spontaneous resolution?
Rosário Ferreira (Lisbon, Portugal), Rosário Ferreira, Joana Oliveira, Rosa Martins

Comorbidity burden in obstructive sleep apnea varies by age in men
Robert Adams (Woodville, Australia), Robert Adams, Sarah Appleton, Andrew Vakulin, Douglas McEvoy, Nick Antic, Peter Catcheside, Anne Taylor, Gary Wittert

Daytime sleepiness in patients with obstructive sleep apnea syndrome and its correlation to insulin resistance
Dimosthenis Lykouras (PATRA, Greece), Dimosthenis Lykouras, Kleanthis Theodoropoulos, Olga Lagiou, Michael Lykouras, Fotios Sampsonas, Agathi Spiropoulou, Theodore Alexandrides, Kiriakos Karkoulias, Kostas Spiropoulos

Thematic Poster: Effect of sleep apnoea on life-span and comorbidities
Chairs: Richard Staats (Murches, Portugal), Radostina Cherneva (Sofia, Bulgaria), Peter J. Wijkstra (Groningen, Netherlands), Ellie Oostveen (Edegem, Belgium)

Prevalence of SAHS in uncomplicated normal pregnant women in the third trimester
Núria Toledo Pons (PALMA DE MALLORCA, Spain), Núria Toledo Pons, Elisabetta Nervo, Ainhoa Álvarez Ruiz de Larrinaga, Alberto Alonso-Fernandez, B. Muriá Díaz, Mercedes Codina, J.L. Manjón, E. Montoliu, L. Mora, A. Sánchez, I. Del Horno, Joan Soriano, J. Duran-Carro, Meritxell Arqué, María de los Ginémez, M.J. Mendoza, D. Mohamed, M. Bosch, L. Guerra, Mónica De la Peña, Antonia Barceló, A. Saez de Lafuente, Javier Pierola Lopetegui, Egea Santaolalla, Joaquin Durán-Cantolla, J.M. Marin

Validation study of a respiratory polygraphy (Alice PDx) for the diagnosis of sleep apnoea-hypopnoea syndrome in pregnant women
ELISABETTA NERVO (Palma de Mallorca, Spain), Elisabetta Nervo, Núria Toledo Pons, Alberto Alonso Fernandez, A. Alvarez Ruiz de Larrinaga, B. Muriá Díaz, Mercedes Codina, J.L. Manjón, E. Montoliu, A. Sanchez, I. Del Horno, J.B. Soriano, J. Duran-Carro, M.J. Mendoza, Merixell Arqué, M.P. Gimenez, D. Mohamed, M. Bosch, L. Guerra, Monica De la Peña, A. Barceló, A. Saez de Lafuente, J. Pierola Lopetegui, C. Egea Santaolalla, J. Durán-Cantolla, J.M. Marin, L. Mora

Sleep disordered breathing in young children: Should we wait for spontaneous resolution?
Rosário Ferreira (Lisbon, Portugal), Rosário Ferreira, Joana Oliveira, Rosa Martins

Comorbidity burden in obstructive sleep apnea varies by age in men
Robert Adams (Woodville, Australia), Robert Adams, Sarah Appleton, Andrew Vakulin, Douglas McEvoy, Nick Antic, Peter Catcheside, Anne Taylor, Gary Wittert

Daytime sleepiness in patients with obstructive sleep apnea syndrome and its correlation to insulin resistance
Dimosthenis Lykouras (PATRA, Greece), Dimosthenis Lykouras, Kleanthis Theodoropoulos, Olga Lagiou, Michail Lykouras, Fotios Sampsonas, Agathi Spiropoulou, Theodore Alexandrides, Kiriakos Karkoulias, Kostas Spiropoulos
The clinical presentation of obstructive sleep apnea syndrome is different in diabetic patients
Athanasia Pataka (Thessaloniki, Greece), Athanasia Pataka, Despoina Koutsochristou, Seraphim Kotoulas, Evdokia Sourla, Sofia Akritidou, Evangelia Panagiotidou, George Kalamaras, Nikolaos Chavouzis, Katatini Fekete, Paraskevi Argyropoulou

How does obstructive sleep apne syndrome effect renal functions?
Elif Torun Parmsiz (ISTANBUL, Turkey), Elif Torun Parmsiz, Ergün Parmsiz, Banu Salepiçi, Gülten Güngör, Benan Çağlayan

Effects of short sleep duration on proteinuria and chronic kidney disease: A systematic review and meta-analysis
Narat Srivali (Rochester, United States of America), Narat Srivali, Wisit Cheungpasitporn, Charat Thongprayoon, Sean Caples, Stephen Erickson

Adrenal size in patients with obstructive sleep apnea
Takuma Minami (Kyoto, Japan), Takuma Minami, Kimihiko Murase, Satoshi Hamada, Ryo Tachikawa, Takeshi Matsumoto, Kiminobu Tanizawa, Morito Inouchi, Tomohiro Handa, Toru Oga, Michiaki Mishima, Kazuo Chin

Detection of sleep-related breathing disorders in cardiologic outpatients
Christina Priegnitz (Solingen, Germany), Christina Priegnitz, Thorsten Fritz, Marcel Balbach, Daniel, Stefan Baldus, Ilona Kietzmann, Marcel Treml, Winfried J. Randerath

Prevalence of obstructive sleep apnea in patients with abdominal aortic aneurysm
Jacques Hernandez (Paris, France), Jacques Hernandez, Bassel Dakhil, Laure Belmont, Jean-Claude Couffinhal, Patrick Bagan

Role of arterial blood gases, continuous positive airway pressure and ddimers to rule out pulmonary embolism suspected in obese patients
Ahmed Gharib (Cairo, Egypt), Ahmed Gharib, Adel Khattab, Bruno Housset, Adel Saeed, Nada Gomaa, Jésus Gonzalez - Bermejo

Obstructive sleep apnoea and risk of recurrent venous thromboembolism
Núria Toledo Pons (PALMA DE MALLORCA, Spain), Núria Toledo Pons, Elisabetta Nervo, Alberto Alonso Fernandez, Monica de la Peña, Miguel Carrera Lamarca, Joan B. Soriano, Angela García Suquia, Raquel Casitas, Javier Pierola, Antonia Barceló, Carmen Fernaandez Capitán, Elizabeth Martinez-Ceron, Francisco García Rio

COPD and OSA: Can the overlap syndrome be suspected by clinical symptoms
Silke Weber (BOTUCATU/SP, Brazil), Silke Weber, Flavio Pissulin, Ricardo Beneti, Francis L. Pacagnelli, Maiara Aldá, Jefferson Barros

Patients with sleep apnoea(SA) and severe/difficult to treat asthma(SDTA) have worse asthma related clinical outcomes than those with no sleep apnoea
Sarah Davies (Conwy, United Kingdom), Sarah Davies, Alice Turner, Simon Wharton, Adel Mansur

OSA with interstitial lung diseases
Sema SARAÇ (STANBUL, Turkey), Sema Saraç, Gulgun Çetintas, Murat Kavas, Özlem Oruç, Özgür Bilgin Topçuoglu, Cüneyt Saltürk, Meral Uluköylü, Cansel Atinkaya, Sibel Arinç, Ali Metin Görgüner

Obstructive sleep apnoea and interstitial lung disease: A quality of life analysis
Ana Verónica Santos Cardoso (Gondomar, Portugal), Ana Verónica Santos Cardoso, Nuno Pereira, Vanessa Santos, Patrícia Caetano Mota, Inês Neves, Natália Melo, António Morais, Marta Drummond

Sleep disordered breathing in myotonic dystrophy: A consecutive prospective cohort study
Arum Khanna (nottingham, United Kingdom), Bennett James, Arum Khanna, Baker Jill, Maddison Paul, Sovani Milind

Sleep and sleep disordered breathing in a cohort of pre-LTX patients
Marie-Pia D’Ortho (PARIS, France), Marie-Pia D’Ortho, Linda Hajouji-Driissi, Gaelle Dauriat, Anny Rouvel-Tallec, Marie-Amelie Dalloz, Hervé Mal

Obstructive sleep apnoea in patients with connective tissue diseases, how far the problem?
Rana El-Helbawy (Shebin El-Kom, Egypt), Rana El-Helbawy, Mohamed Zamzam, Ibrahim El-Mahallawy, Emad Abd El-Hamid, Dina Al-Sharaki

Thematic Poster: Technical aspects, compliance, and adherence to positive airway pressure in sleep apnoea
Chairs: Wolfgang Galetke (Dorsten, Germany), Michael Arzt (REGENSBURG, Germany), Wilfried De Backer (EDEGEM, Belgium), João Carlos Winck (Vila Nova de Gaia, Portugal)
| PA2362 | Study of factors affecting compliance of continuous positive airway pressure (CPAP) in obstructive sleep apnea-hypopnea syndrome (OSAHS) | Pratibha Singhal (MUMBAI (MAHARASHTRA), India), Pratibha Singhal, Yatin Joshi, Gurraunaq Singh, Swapnil Kulkarni |
| PA2363 | Short term and long term CPAP adherence | Sema SARAÇ (STANBUL, Turkey), Sema Saraç, Gulgun çetinutas, Özüm Oruç, Özgür Bilgin Topçuoglu, Cüneyt Salturk, Murat Kavas, Gökhan Kırbas, Emine Nilgün Ordu |
| PA2364 | Continuous positive airway pressure (CPAP) adherence rates and influencing factors following acute, traumatic tetraplegia | Marnie Graco (Melbourne, Australia), Marnie Graco, Rachel Sembri, David J. Berlowitz |
| PA2365 | OSAS treatment with CPAP: Randomized crossover study comparing tolerance and efficacy with and without humidification | Marie-Pia D'Ortho (PARIS, France), Marie-Pia D’Ortho, Laurent Boyer, Ala Noroc, Carole Philippe, Maria Stoica, Marie-Amélie Dalloz, Annou Rouvel |
| PA2366 | New health risk factors due to continuous airways positive pressure ventilation in sleep apnea - An experimental study in Cluj-Napoca area, Romania | Andreea Coman (Cluj-Napoca, Romania), Andreea Coman, Doina Todea |
| PA2367 | Factors influencing the level of efficient pressure of continuous positive airway pressure (CPAP) in the treatment of obstructive sleep apnea (OSA) | BIRONNEAU VANESSA (poitiers, France), Bironneau Vanessa, Loutsonneau Emmanuelle, Pontier Sandrine, Gagnadoux Frederic, Iamandi Carmen, Portel Laurent, Martin Francis, Mallart Anne, Lerousseau Lionel, Alfandary Didier, Levrat Virginie, Portier Florence, Tamisier Renaud, Goutorbe Frederic, Rabec Claudio, Codron Francois, Auregan Guy, Mercy Magalie, Attali Valerie, Soyer Franck, Launois Claire, Recart Didier, Vecchierini Marie-Francoise, Meurice Jean-Claude |
| PA2368 | Cognitive function was improved after continuous positive airway pressure treatment in obstructive sleep apnea syndrome | En-Ting Chang (Hualien, Taiwan), En-Ting Chang, Hsiu-Mei Wang |
| PA2369 | APAP - Adverse effects and mask comfort | Luana Barros (BELO HORIZONTE/MG, Brazil), Luana Barros, Rui Correia, Fernanda Ferreira, Joaquim Gabriel, Marta Drummond, Renato Jorge |
| PA2370 | Polysomnographic assessment of automatic adjustable vs fixed EPAP intelligent volume assured positive airway pressure support in chronic hypoventilation | Nigel Mc Ardle (Perth, WA, Australia), Nigel Mc Ardle, Stuart King, Lisa Erkli, Siobahn Rea, Dinesh Ramanan, Sahisha Kelheeswaran, Jeff Armitstead, Glenn Richards, Bhajan Singh, David Hillman, Peter Eastwood |
| PA2371 | Influence of nasal or oro-nasal mask on the difference between automatic versus manual detection of residual events in CPAP treated OSAS patients | Roberto Torchio (Venaria Reale, Italy), Claudio Ciacco, Marco Guglielmo, Fiorella Pacetti, Alice Montanaro, Luana Focaraccio, Luca Zito, Roberto Torchio |
| PA2372 | Utility of adaptive servventilation device software in assessing residual respiratory events in the treatment of central apneas | María Guadaloupe Silveira (barcelona, Spain), María Guadaloupe Silveira, Gabriel Sampol, Roser Cambrodi, Alex Ferre, María José Jurado, Odile Romero, Patricia Lloberes |
| PA2373 | LATE-BREAKING ABSTRACT: Mortality and morbidity of chronic heart failure (CHF) patients with central sleep apnoea (CSA) treated by adaptive servventilation (ASV): Interim results of FACE cohort study | Laurent Morin (Saint Priest Cedex, France), Renaud Tamisier, Thibaud Damy, Jean-Marc Davy, Patrick Levy, Frédéric Goutorbe, Laurent Morin, Jean-Louis Pepin, Marie-Pia d’Ortho |
| PA2374 | LATE-BREAKING ABSTRACT: Adaptive servo-ventilation (ASV) pressures and cardiovascular (CV) mortality risk in SERVE-HF | Holger Woehrle (Blaubeuren, Germany), Holger Woehrle, Eik Vettorazzi, Karl Wegscheider, Christiane Angermann, Marie-Pia D’Otho, Erland Erdmann, Patrick Levy, Anita Simonds, Virend Somers, Fáiez Zannad, Martin Cowie, Helmut Teschler |

**T-14 Session 387  12:50 - 14:40**

**Thematic Poster: Non-CPAP in obstructive and central sleep apnoea and obesity hypoventilation syndrome**

**Chairs:** Olivier M. Vanderveken (Edegem (Antwerp), Belgium), Karl A. Franklin (UMEÅ, Sweden), Jose Maria Montserrat Canal (BARCELONA, Spain), Sebastian Zaremba (Bonn, Germany)
Applicability, efficacy and cost effectiveness of sleep apnoea management by an information and communication based technology (ICT). Rationale, design and methods
Vera Marcela Lugo Arrua (BARCELONA, Spain), Vera Marcela Lugo Arrua, Onintza Garmendia, Anabel Moraleda, Ramon Farré, Gemma Guerrero, Concepción Ruiz, Valentina Isetta, Josep M. Montserrat

Palaeolithic diet and obstructive sleep apnoea in overweight females: A randomised controlled trial
Karl A. Franklin (UMEA, Sweden), Karl A. Franklin, Marie Eriksson, Christel Larsson, Bernt Lindahl, Caroline Mellberg, Carin Sahlin, Tommy Olsson, Mats Ryberg

Does sleeve gastrectomy improve obstructive sleep apnea
Dina Abouelkheir Abdalla (Mansoura, Egypt), Luci Suliman, Dina Aboelkair

Sonographic evaluation of tongue motions during upper-airway stimulation for obstructive sleep apnea
Benedikt Hofauer (Munich, Germany), Benedikt Hofauer, Andreas Knopf, Markus Wirth, Clemens Heiser

Upper airway stimulation for obstructive sleep apnoea: Patient reported outcomes after 48 months of follow-up
Johan Verbraecken (Edegem (Antwerp), Belgium), Johan Verbraecken, Winfried Randerath on Behalf of STAR Trial Investigators

Implanted upper airway stimulation device for OSA improves snoring
Johan Verbraecken (Edegem (Antwerp), Belgium), Fayez Almutairi, Raymond Cluydts, Marc Willemen, Marijke Dieltjens, Julien Beyers, Olivier Vanderveken, Paul Van de Heyning, Wilfried De Backer, Johan Verbraecken

Single center experience of selective upper airway stimulation in 45 patients with obstructive sleep apnea
Clemens Heiser (Munich, Germany), Clemens Heiser, Markus Wirth, Constanze Galhleitner, Benedikt Hofauer

Adenotonsillectomy revisited: Outcomes in 54 children with sleep disordered breathing after adenotonsillectomy
Peter Salfeld (Münsterlingen, Switzerland), Peter Salfeld, Bernhard Rinderer, Benedikt Gerber, Marc Kengelbacher, Degenhard Schwab, Bernd Erkert, Christoph Stüssi

Maxillary advancement as alternative technique in our OSAS cohort
Marta Garcia Moyano (Barakaldo, Spain), Marta Garcia Moyano, Amaia Urrutia Gajate, Leyre Serrano Fernandez, Beatriz Gonzalez Quero, Idoia Salinas Garrido, Carlos Prol Teijeiro, Joan Brunso Casellas, Valentin Cabriada Nuño, Jose Amilibia Alonso

Is the bimaxillary advancement surgery useful in patients with obstructive sleep apnea-hypopnea syndrome (SAHS)?
BEATRIZ MARTIN GARCIA (MADRID, Spain), Beatriz Martin Garcia, Ana Jaureguizar Oriol, Eva Mañas Baena, Patricia Lazo Meneses, Alicia Albalat, Paola Arrieta Narvaez, Rosa Mirambeaux Villalona, Patricia Castro Acosta, Jose Miguel Escura Gurrea

Complications of bariatric surgery in morbid obesity in patients with obstructive sleep apnea syndrome
Maria Jesus Aviles Ingles (Murcia, Spain), Maria Jesus Aviles Ingles, Monica Martinez Martinez, Damian Malia Alvarado, Milycen Garrido Cepeda, Maria del Carmen Abellan Martinez, Pedro Mendez Martinez, Juan Francisco Martin, Maria Cristina Contessotto Aviles, Francisco Roman Lopez Andreu, Javier Rodenas Moncada

Maximum pressures from auto-CPAP devices predict oral appliance treatment success in non-adherent obstructive sleep apnoea patients
Anders Kjellevold Storensqnd (BERGEN, Norway), Anders Storensqnd, Anders Johansson, Sverre Lehmann

A randomized controlled trial of a novel soft sleep surface for treatment of positional sleep apnea
Ulysses Magalang (Columbus, United States of America), Ulysses Magalang, Jesse Mindel, Gary Phillips, Kirsten Emmons, David Ribble

Positional therapy as a treatment for central sleep apnea: A prospective multicentre trial
Johan Verbraecken (Edegem (Antwerp), Belgium), Linda Benido, Johan Verbraecken, Hennie Janssen, Nico de Vries

The effect of supplemental oxygen in obesity hypoventilation syndrome
Maria Angeles SANCHEZ QUIROGA (Plasencia, Spain), Maria Angeles Sanchez Quiroga, Juan F. Masa, Jaime Corral, Auxiliadora Romero, Candela Caballero, Joaquín Terán-Santos, María L. Alonso-Álvarez, Teresa Gomez-Garcia, Mónica González, Soledad López-Martinez, Pilar De Lucás, José M. Marin, Sergi Martí, Trinidad Diaz-Cambriles, Eusebi Chiner, Miguel Merchán, Carlos Egea, Ana Obeso, Babak Mokhlesi

Delivery of CO2: by displacement ventilation for the treatment of Cheyne-Stokes breathing
Francis H Y Green (Calgary, Canada), Francis H.Y. Green, Andrea Chiu, Stefan Dalberg, Grishma Shrestha, Morenike Fadayomi, Cora Pieron, Tamer El Mays, David Nelson, Gareth Lewis, Lalli Kurkeet, Dennis John

HFNC: A new therapeutic approach in patients with chronic heart failure and Cheyne-Stokes breathing
Maria Antonietta Mazza (Avelino, Italy), Maria Antonietta Mazza, Gianfranco Scotti di Frega, Anna Annunziata, Rosa Cauteruccio, Pasquale Imitazione, Antonella Marotta, Maria Cardone, Giuseppe Fiorentino
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<td>PA2407</td>
<td>A pilot study of digital feedback to guide therapeutic decisions in pulmonary hypertension</td>
<td>Paul A. Corris (Newcastle, United Kingdom), Paul A. Corris, Margaret Day, Maxim Gribansky, Yoona A. Kim, Lorenzo DiCarlo</td>
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<td>PA2408</td>
<td>Riociguat for the treatment of pulmonary hypertension: Safety data from the EXPERT registry</td>
<td>Henning Gall (Giessen, Germany), Henning Gall, Hossein-Ardeschir Ghofrani, Marius M. Hoep, Ekkehard Grünig, Michael Halank, Hans Klose, Jean-Luc Vachiery, Hubert Wirtz, Tobias Lange, Repke J, Snijder, Silvia Ulrich, Ralf Ewert, Iraklis Tsangaris, Joanna Pepke-Zaba, Irene Lang, Judith Löffler-Ragg, Vincent Cottin, Anco Boonstra, Sean Gaine, Paul A. Corris, Andrew Peacock, Gérald Simonneau, Miguel-Angel Gómez Sánchez, Jens Klotsche, David Pittrow, Christian Meier, Monika Brunn, Marc Humbert</td>
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<td>PA2409</td>
<td>Embolisation of pulmonary arteriovenous malformations improves nosebleeds in people with hereditary haemorrhagic telangiectasia</td>
<td>Claire Shovlin (London, United Kingdom), Claire Shovlin, Trishan Patel, James Jackson</td>
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<td>PA2410</td>
<td>Exhaled nitric oxide levels in patients with pulmonary hypertension</td>
<td>Gulfer Okumus (Istanbul, Turkey), Gulfer Okumus, Zuleyha Bingol, Nilay Orak, Esen Kiyan, Ekrem Bilal Karaayvaz, Ahmet Kaya Bilge, Halim Issever</td>
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<td>PA2411</td>
<td>Pulmonary Function and response to treatment in pulmonary arterial hypertension (PAH)</td>
<td>Joan Albert Barbera (Barcelona, Spain), Joan Albert Barbera, Nazzareno Galie, Adaai Frost, Hossein Ardeschir Ghofrani, Marius Hoep, Valerie McLaughlin, Andrew Peacock, Gerald Simonneau, Jean-Luc Vachiery, Christiana Blair, Karen Miller, Julia Langley, Lewis Rubin</td>
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<td>PA2412</td>
<td>miR-424 and muscle wasting in pulmonary arterial hypertension</td>
<td>Benjamin Garfield (London, United Kingdom), Martin Connolly, Benjamin Garfield, Alexi Crosby, Peirang Yang, Nicholas Morrell, Michael Polkey, S. John Wort, Paul Kemp</td>
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<td>PA2413</td>
<td>Reactive oxygen species production by rat neutrophils in pulmonary arterial hypertension experimental model</td>
<td>Galina Semenkov (Minsk, Belarus), Galina Semenkov, Igor Adzherko, Olga Yatevich</td>
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**T-16 Session 389 12:50 - 14:40**

**Thematic Poster: Pulmonary hypertension: exercise, haemodynamics, and physiology**

**Chairs**: Luke Howard (London, United Kingdom), Anton Vonk Noordegraaf (Amsterdam, Netherlands), Robert Naeije (Beersel, Belgium), Gabor Kovacs (Graz, Austria)

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<td>PA2414</td>
<td>Pulmonary hemodynamics in heart failure with reduced and preserved ejection fraction: Similarities and disparities</td>
<td>Yochai Adir (Haifa, Israel), Yochai Adir, Stefano Ghio, Marco Guazzi, Offer Amir, Pier Luigi Temporelli</td>
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<td>PA2416</td>
<td>Survival in patients with IPAH and peak exercise ventilatory limitation</td>
<td>Colm McCabe (Reading, United Kingdom), Colm McCabe, Rocco Rinaldi, Luke Howard</td>
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<td>PA2418</td>
<td>Impact of borderline pulmonary arterial pressure on survival</td>
<td>Philipp Douschan (GRAZ, Austria), Philipp Douschan, Gabor Kovacs, Vasile Foris, Alexander Avian, Andrea Olsachewski, Horst Olschewski</td>
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<td>PA2419</td>
<td>Hemodynamic features of pulmonary hypertension (PH) in ARDS</td>
<td>George Calcaianu (Strasbourg, France), George Calcaianu, Anthony Gschwend, Nirvan Issur, Ferhat Meziani, Romain Kessler</td>
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<td>PA2420</td>
<td>Fluid challenge test during heart catheterization in normal subjects and in a heterogeneous population with pulmonary hypertension</td>
<td>Michele D’Alto (Naples, Italy), Michele D’Alto, Emanuele Romeo, Paolo Argiento, Giovanni Maria Di Marco, Adriana Pavelescu, Maria Giovanna Russo, Robert Naeije</td>
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<td>PA2421</td>
<td>Exercise pulmonary hemodynamics in systemic sclerosis patients - Implications for outcome</td>
<td>Stéphanie Saxer (Zürich, Switzerland), Stéphanie Saxer, Adriana Stamm, Mona Lichtblau, Lars Huber, Oliver Distler, Rudolf Speich, Konrad Bloch, Silvia Ulrich</td>
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<td>PA2422</td>
<td>Title: Sublingual glyceryl trinitrate vasoreactivity testing during right heart catheterization for the diagnosis of pulmonary hypertension related to left heart disease</td>
<td>Anthony Gschwend (Strasbourg, France), Anthony Gschwend, Matthieu Canuet, Irina Enache, Armelle Schuller, Romain Kessler, Georges Calcaianu</td>
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PA2423  Idiopathic and systemic sclerosis-associated PAH: A comprehensive haemodynamic and radiological comparison
Robin Condliffe (Sheffield, United Kingdom), Sheila Ramjug, Nehal Hussein, Catherine Billings, Athanasios Charalampopoulos, Charlie Elliot, David Kiely, Allan Lawrie, Smitha Rajaram, Andrew Swift, Jim Wild, Robin Condliffe

PA2424  Contrasting physiological responses to the six minute walk test in patients with chronic thromboembolic pulmonary hypertension (CTEPH) and idiopathic pulmonary arterial hypertension (IPAH)
Gabriela Figliolino (São Paulo, Brazil), Gabriela Figliolino, Roberta Pulcheri Ramos, Eloara V.M. Ferreira, Ivan Ivanaga, João Victor Rolim, Angelo Cepeda, Carolina Messina, Rudolf K.F. Oliveira, Luiz Eduardo Nery, Jaqueline Sonoe Ota-Arakaki

PA2425  Usefulness of FVC/DLCO ratio to stratify the risk of mortality in patients with pulmonary hypertension
Donato Lacedonia (Molfetta, Italy), Donato Lacedonia, Giovanna E. Carpanagnano, Giuseppe Galgano, Piero Schino, Michele Correale, Natale D. Brunetti, Valentina Ventura, Matteo Di Biase, Maria Pia Foschino Barbaro

PA2426  Age is independently associated with pulmonary arterial compliance in health and in patients with pulmonary vascular disease
Andy Swift (Sheffield, United Kingdom), Andy Swift, Angela Lungu, Dave Capener, Charlotte Hammerton, Alex Rothman, Allan Lawrie, Charlie Elliot, Robin Condliffe, David Kiely, Jim Wild

PA2427  Gas transfer measurement in systemic sclerosis associated pulmonary hypertension
Robin Condliffe (Sheffield, United Kingdom), Sheila Ramjug, Nehal Hussain, Catherine Billings, Athanasios Charalampopoulos, Charlie Elliot, David Kiely, Judith Hurdman, Ian Smith, Robin Condliffe

PA2428  Physiological mechanisms of compensatory responses of the respiratory system to central hypervolemia: A modeling study
Marina Segizbaeva (ST PETERSBURG, Russian Federation), Marina Segizbaeva, Nina Aleksandrova

PA2429  Comparison of exercise capacity and exercise haemodynamic relationships between severe group 3 pulmonary hypertension and pulmonary arterial hypertension
Matthieu Koszutski (Nancy, France), Matthieu Koszutski, Morgane Faure, Anne Guillaumot, Magalie Mercy, Emmanuel Gomez, François Chabot, Ari Chaoat

PA2430  Mean pulmonary artery pressure using echocardiography in chronic thromboembolic pulmonary hypertension
Hajime Kasai (Chiba-shi, Japan), Hajime Kasai, Akane Matsumura, Toshihiko Sugiura, Ayako Shigeta, Nobuhiro Tanabe, Keiko Yamamoto, Hideki Miwa, Ryogo Ema, Seiichiro Sakai, Koichiro Tatsumi

PA2431  Psychological differences between people with PAH, IPAH and CTEPH
Emma Cole (Barnsley, United Kingdom), Emma Cole, Iain Armstrong, Katie Cutts

PA2432  Prevalence of relapses and chronic thromboembolic pulmonary hypertension (CTEPH) in patients with pulmonary embolism (PE)
Valentina Dimitrova (Varna, Bulgaria), Valentina Dimitrova, Velin Strtsev, Tanya Dobreva, Diana Petkova

PA2433  Heart rate recovery in response to disease targeted therapy in pre-capillary pulmonary hypertension
Alison MacKenzie (Glasgow, United Kingdom), Alison MacKenzie, Martin Johnson

T-17  Session 390  12:50 - 14:40

Thematic Poster: Pulmonary hypertension in lung disease

Chairs: Paul A. Corris (Newcastle, United Kingdom), David Kiely (Sheffield, United Kingdom), H. Ardeschir Ghofrani (Giessen, Germany), Allan Lawrie (Sheffield, United Kingdom)

Mechanisms of ECG changes in chronic obstructive pulmonary disease
Marte Strømsnes Larsen (Oslo, Norway), Marte Strømsnes Larsen, Christian Hodnesdal, Ingunn Skjorten, Janne Myklind Hilde, Kjetil Steine, Knut Liestol, Knut Gjesdal

Assessment of endothelial dysfunction in COPD patients with different types of microcirculation disorders
Olga Lukina (St. Petersburg, Russian Federation), Olga Lukina, Valentina Zolotnitskaya, Elena Surfoka, Olga Titova, Alexey Shumilov, Natalya Kuzubova

The effect of chronic dosing of riociguat on acute hypoxic pulmonary vasoconstriction in respiratory disease
Logan Thirugnanasothy (Gateshead, United Kingdom), Logan Thirugnanasothy, Guy MacGowan, Gareth Parry, John Simpson, Paul Corris

Longitudinal change in non-invasive markers in interstitial lung disease associated pulmonary hypertension and correlation with invasive pulmonary haemodynamics
Simon Bax (Redhill, United Kingdom), Simon Bax, Kostas Dimopoulos, Greg Kier, Maria Kokosi, Michael Wilde, Athol Wells, Laura Price, John Wort
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<td><strong>Thematic Poster: Acute pulmonary embolism</strong></td>
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<td>Chairs: Marion Delcroix (Leuven, Belgium), Irene Lang (Vienna, Austria), Harm Jan H.J. Bogaard (Amsterdam, Netherlands), Rogério De Souza (Sao Paulo, Brazil)</td>
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**TAPSE associated to RV/LV index in patients with moderate-high risk pulmonary embolism**

Ana Gomez Larrauri (Vitoria-Gasteiz, Spain), Ana Gomez Larrauri, Jose Luis Lobo, Angel Alonso, Naiara Parraza, Raquel Morillo, Deisy Barrios, Rosa Nieto, David Jimenez
Classification of intermediate-risk pulmonary embolism patients with cardiac troponin and shock index
Sava Özsu (Trabzon, Turkey), Savas Özsu, Muge Erbay, Zerrin Gurel, Tevfik Ozlu

Pulmonary embolism is more prevalent than deep vein thrombosis in cases of chronic obstructive pulmonary disease and interstitial lung diseases
Won-II Choi (Daegu, Republic of Korea), Won-II Choi

Lung perfusion: MRI vs SPECT for screening in suspected chronic thromboembolic pulmonary hypertension
Christopher Johns (Sheffield, United Kingdom), Christopher Johns, Smitha Rajaram, David Capener, Andrew Swift, Jim Wild

Prognostic value of Mastora obstruction score in acute pulmonary embolism
Vaida Gedvilaite (VILNIUS, Lithuania), Jolita Rackauskiene, Vaida Gedvilaite, Mindaugas Matacianas, Mazvile Abrutyte, Olga Kusner, Edvardas Danila

Asthma and the risk of pulmonary embolism
Inês Barreto (LISBOA, Portugal), Inês Barreto, Catarina Teles Martins, Alda Manique, Cristina Bábarba

Non-invasive evaluation of the severity of chronic thromboembolic pulmonary hypertension with ventilatory gas analysis
Mina Akizuki (sendai, Japan), Mina Akizuki, Koichiro Sugimura, Tatsuo Aoki, Takaaki Kakihana, Nobuyoshi Mori, Osamu Ito, Hiroaki Shimokawa, Masahiro Kohzuki

Comparison of long-term outcomes of 50 mg rt-PA and 100 mg rt-PA in the management of acute pulmonary embolism
Elif Yilmazel Uçar (Erzurum, Turkey), Elif Yilmazel Uçar, Omer Araz, Bugra Kerget, Nafiye Yılmaz, Metin Akgün, Leyla Şaglam

Search predictive factors of recurrence in venous thromboembolic disease associated with cancer after withdrawal of the anticoagulation. HISPALIS study
Aurora Solier Lopez, Luis Jara Palomares, Teresa Elias Hernandez, Maria Isabel Asensio Cruz, Isabel Blasco Esquivias, Veronica Sanchez Lopez, Elena Arellano Lopez, Lucia Marin Barrera, Lionel Suarez Valdivia, Maria Rodriguez de la Borbolla, Remedios Otero Candelera

Correlation study between three different methods that estimate right ventricular function after an acute pulmonary embolism (PE)
JULIA AMARANTA GARCIA FUERTES (Vitoria-Gasteiz, Spain), Julia Amaranta Garcia Fuertes, Angel Maria Alonso Gomez, Agustina Rivas, Igor Murga, Naiara Parraza, Jose Luis Lobo Beristain, OSIRIS Group

Scintigraphic defects, echocardiographic findings and 6mWT desaturation after a hemodynamically stable pulmonary embolism (PE)
JULIA AMARANTA GARCIA FUERTES (Vitoria-Gasteiz, Spain), Jose Luis Lobo Beristain, Julia Amaranta Garcia Fuertes, A. Montero De La Peña, O. Llaguno Otxandiano, A. Rivas Guerrero, R. Otero, OIRIS Group

Efficacy and safety of treatment with anticoagulants in patients with unprovoked venous thromboembolism in Korea
Hun Gyu Hwang (Gumi, Republic of Korea), Hun Gyu Hwang, Myung Shin Kim, Gune Il Lim, Won-II Choi

Clinical and prognostic scores in patients with cancer and pulmonary embolism
Meftun Unsal (Samsun, Turkey), Meftun Unsal, Davut Aydint, Birsen Cirit Ekiz, Gamze Koçak

Role of the PE rule-out criteria (PERC) in patients with suspected pulmonary embolism (PE) in a UK District General Hospital
Muhammad Anwar (Bagshot, United Kingdom), Sarah Clarke, Emma Denny, Claire Durrans, James Brooks, Faris Al-Rifaai, Samir Naik, Ugo Ekeowa, Peter Russell, Muhammad Anwar

Could uric acid be a marker of poor prognosis for pulmonary embolism?
Sava Özsu (Trabzon, Turkey), Savas Özsu, Arif M. Cosar, Hayriye Bektas, Tevfik Ozlu

Respiratory failure as an indication for thrombolysis in pulmonary embolism?
Rebecca D’Cruz (London, United Kingdom), Rebecca D’Cruz, Richard Morton, Adam Jakes, George Thornton, Jacob De Wolff, Rachel Tennant

Relationship between pulmonary embolism severity index (PESI) score and unfavorable inpatient prognosis in non-high risk pulmonary embolism (PE)
Carlos Andrés Celis Preciado (Bogota, Cundinamarca, Colombia), Carlos Andrés Celis Preciado, Manuela Tobón

Usage of computed-tomography pulmonary angiogram (CTPA) for suspected pulmonary embolism by adherence to National Institute for Health and Care Excellence (NICE) guidelines
Rahul Mogal (London, United Kingdom), Rahul Mogal, Cranna Pinto
Improvements in risk stratification (RS): Beyond the pulmonary embolism severity index (PESI) score
Anabel Garcia Onieva (Valladolid, Spain), Anabel Garcia Onieva, Ana Maria Andrés Porras, Blanca De Vega Sánchez, Águeda Herrero Perez, Sandra Isabel Llerena Butron

Spontaneous flow increase from implantable pump for intravenous treprostinil delivery
Frédéric Lador (Genève 14, Switzerland), Garance Kopp, Anne-Lise Hachulla, Stéphane Noble, Paola M. Soccal, Maurice Beghetti, Frédéric Lador

PSGR olfactory receptor: A new potential target in pulmonary arterial hypertension
Audrey Courboulin (Le Plessis-Robinson, France), Audrey Courboulin, Marceau Quatredeniers, Guenhaël Sanz, Sandra Breuils-Bonnet, Matthieu Vocelle, Mathilde Lafond, Frédéric Perros, Sébastien Bonnet, Edit Pajot-Augy, Marc Humbert, Sylvia Cohen-Kaminsky

Open label study of ambrisentan in patients with exercise induced pulmonary arterial hypertension (EiPAH)
Aaron Waxman (Boston, United States of America), Sergio Segreera, Alexander Opotowsky, Laurie Lawler, David Systron, Aaron Waxman

Increased Cyr61 in pulmonary arterial hypertension involving in proliferation of pulmonary arterial smooth muscle cells
ZHUOLI ZHANG (BEIJING, China), YONG FAN (BEIJING, China), Zhuoli Zhang, Lan Gao, Yong Fan, Yanjie Hao, WEI Zhou

Pulmonary arterial hypertension associated with several mutations
Guillermo Pousada (Vigo, Spain), Guillermo Pousada, Adolfo Baloira, Diana Valverde

Neutrophil-to-lymphocyte ratio as a prognostic parameter in pulmonary arterial hypertension
Vasile Foris (Graz, Austria), Vasile Foris, Gabor Kovacs, Philipp Douschan, Alexander Avian, Andrea Olschewski, Horst Olschewski

Diagnostic utility of the physical examination for pulmonary hypertension
Kevin Solverson (Calgary, Canada), Kevin Solverson, Daniel Vis, Micheal Braganza, Jeff Shaw, Luke Rannelli, Mitesh Thakrar, Rhea Varughese, Naushad Hirani, Doug Helmersen, Jason Weatherald

Intravenous prostacyclin for pulmonary hypertension: Patient's perspective on complications
Sara Tyebally (London, United Kingdom), Sara Tyebally, Ann Sturdy, Arif Khokhar, Lisa Parfitt, Carl Harries, Laura Price, John Wort, Rafa Alonso, Kostas Dimopoulos, Michael Gatzoulis

Argon reduces the ET-1 induced increase of segmental PVR and the generation of lung edema
Annette Rieg (Aachen, Germany), Said Sulaiman, Mark Coburn, Julia Krabbe, Rolf Rossaint, Christian Martin, Annette Rieg

Role of survivin in experimental models of pulmonary arterial hypertension
ISABEL BLANCO (BARCELONA, Spain), Isabel Blanco, Elisabet Ferrer, Susana Maqueda, Tanja Paul, Neus Luque, Olga Tura-CEide, Víctor Ivo Peinado, Joan Albert Barbera

Clinical manifestations and genetic background in Japanese patients with hereditary haemorrhagic telangiectasia
Kumihiko Yoshimura (Tokyo, Japan), Kumihiko Yoshimura, Takafumi Ito, Hiromi Aono

Inhaled INS1009 demonstrates localized pulmonary vasodilation activity
Zhili Li (Bridgewater, United States of America), Zhili Li, Richard Chapman, Vladimir Malinin, Michel Corboz, Adam Plaunt, Charles Laurent, Han Yin, Dan Salvail, Walter Perkins

Analysis of BMPR2 gene expression in B-lymphocytes of pulmonary arterial hypertension patients
Guillermo Pousada (Vigo, Spain), Guillermo Pousada, Mauro Lago, Sonia Prado-López, Adolfo Baloiara, Rubén Varela-Calviño, Diana Valverde

Centrilobular nodules are combined with lack of PFO and worse haemodynamic profile in IPAH patients
Monika Szturmowicz (Warsaw, Poland), Monika Szturmowicz, Aneta Kacprzak, Marcin Kurzyna, Barbara Burakowska, Adam Torbicki
Hemorrhagic complications of treatment in patients with pulmonary embolism
Jacinto Hernandez Borge (Badajoz, Spain), Pedro Pires Goncalves, Jacinto Hernandez Borge, Maria del Carmen Garcia Garcia, Maria Jose Antonia Rodriguez, Isabel Aschert Agueru, Amparo Sanz Cabrera, Miguel Benitez-Cano Gamonoso, Pilar Cordero Montero, Ignacio Rodriguez Blanco, Francisca Lourdes Marquez Perez

Evaluation of predictors of early and late mortality in 414 acute pulmonary embolism patients
Abdulsamet Sandal (Ankara, Turkey), Abdulsamet Sandal, Elif Tugce Korkmaz, Funda Aksu, Deniz Köksal, Ziya Toros Selçuk, Ahmet Ugur Demir, Salih Emri, Lütfi Çöplü

Pulmonary artery dissection (PAD) in a patient with diffuse interstitial lung disease and chronic thromboembolic pulmonary hypertension (CTEPH)
Velin Stratev (Varna, Bulgaria), Velin Stratev, Valentina Dimitrova, Tanya Dobreva, Diana Petkova

Fractional exhaled nitric oxide in pulmonary hypertension
Hala El Chami (Boston, United States of America), Hala El Chami, Cheryl Fortier, Rosemary Tsacoyianis, Kari Roberts, Nicholas Hill, Joana Preston

Clinical characteristics of elderly patients with pulmonary embolism and risk factors for recurrence
Serhat Erol (Ankara, Turkey), Serhat Erol, Aslihan Gurun, Fatma Ciftci, Aydin Ciledag, Akin Kaya, Elif Sen, Gokhan Celik, Ismail Savas

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Session 393 12:50 - 14:40
Thematic Poster: Surgical strategy for complex diseases
Chairs: Marcello Migliore (Catania, Italy), Chair to be confirmed

Mortality 30-90 days following lung resection surgery for primary lung malignancy
Eve Palmer (Newcastle upon Tyne, United Kingdom), Eve Palmer, Sion Barnard

Thoracoscopic lobectomies for TB and non-TB pulmonary diseases: What differences between RATS and VATS technique?
Grigorii Kudriashov (Saint-Petersburg, Russian Federation), Peter Yablonskii, Grigorii Kudriashov, Igor Vasilev, Armen Avetisyan, Andrey Kozak

Quality of life in octogenarians after thoracic surgery
Wolfgang Moersig (Basel, Switzerland), Wolfgang Moersig, Simona Lazdinyte, Desiree Schumann, Andreas Hiebinger, Didier Lardinois

Lung cancer and lung tuberculosis: Our results of treatment in the combined lung disease
Azamat Sharipov (Tashkent, Uzbekistan), Azamat Sharipov, Mirzagaliev Tillyashaykhov, Odiljon Nematov, Shokinray Mayusupov, Anvar Riskiev, Nematilla Toshev, Giller Dmitrii, Konstantin Valatin

Assessment of fatigue using the identity-consequence fatigue scale in patients with lung cancer
Ingrid Nogueira (Fortaleza, Brazil), Ingrid Nogueira, Amanda Araújo, Maria Tereza Morano, Antonio George Cavalcante, Pedro Felipe de Bruin, Johana Susan paddison, Clarissa Magalahes, Guillerme Silva, Antero Gomes Neto, Israel Medeiros, Eanes Pereira

Prediction of malposition of double lumen tube in the patients with tracheal deviation
Taewan Lim (Hwaseong, Republic of Korea), Taewan Lim, Daun Oh

Efficacy of surgical resection in tracheal tumors
Kenan Can Ceylan (Izmir, Turkey), Kenan Can Ceylan, Erkan Kuldak, Seyda Ors Kaya, Huseyin Katlimis

Does the type of N1 state different survival
Cagatay Tezel (Istanbul, Turkey), Cagatay Tezel, Talha Dogruyol, Levent Alpay, Mustafa Akyil, Serdar Evman, Serda Metin, Volkam Baysungur, Irfan Yalcinkaya

Sleeve- and angioplasty lobectomy versus pneumonectomy in the treatment of NSCLC
Aleksey Reshetov (Saint-Petersburg, Russian Federation), Aleksey Reshetov, Aleksey Elkin, German Nikolaev, Dmitriy Ermakov

Outcomes of isolated bronchial sleeve resections for endobronchial tumors
Eelin Ersso Kose (STANBUL, Turkey), Cagatay Saim Tezel, Eelin Ersso Kose, Riza Serdar Evman, Serda Kanbur Metin, Talha Dogruyol, Abidin Levent Alpay, Cansel Atinkaya, Volkam Baysungur, Irfan Yalcinkaya

Structured light plethysmography measurement of chest wall motion as an early indicator of post pulmonary complications
Rachel Wilson (Stratford upon Avon, United Kingdom), Ghazi Elshafie, Prem Kumar, Shayan Motamed Fakhr, Rachel Wilson, Richard Iles, Babu Naidu
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<td>The prevention of postoperative respiratory complications in lung surgery</td>
<td>Kontorovich Mikhail (Yeraterinburg, Russian Federation), Kontorovich Mikhail, Syskov Konstantin</td>
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<td>PA2506</td>
<td>Estimated postoperative pulmonary function and 6 months recovery for lobectomized lung cancer patients with and without COPD</td>
<td>Masanori Yokoba (Kanagawa, Japan), Masanori Yokoba, Tsuyoshi Ichikawa, Shinichiro Ryuge, Ken Katono, Tomoya Fukui, Masaru Kubota, Noriyuki Masuda, Masato Katagiri</td>
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<td>PA2507</td>
<td>Enhanced recovery in thoracic surgery: A propensity-score matched cohort study</td>
<td>Benedetta Bedetti (Cambridge, United Kingdom), Benedetta Bedetti, Guillermo Martinez, Luca Bertolaccini, Joanne Irons, Piergiorgio Solli, Marco Scarci</td>
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<td>PA2508</td>
<td>Prediction of postoperative DL Co in lung cancer patients after lobectomy. Comparison between quantitative CT and the anatomic method</td>
<td>Georgios Kaltsakas (Athens, Greece), Chrysovalantis V. Papageorgiou, Georgios Kaltsakas, Panagiotis Mithos, Foteini Karakontaki, Petros Filippousis, Loukas Thanos, Nickolaos G. Koulouris</td>
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<td>PA2509</td>
<td>Influence of neoadjuvant therapy to complication rate after surgery for primary lung cancer</td>
<td>Dragan R. Subotic (Belgrade, Republic of Serbia), Milan Savic, Dragan R. Subotic, Nikola Atanasijadis, Dejan Moskovic, Ivan Soldatovic, Zeljko Garabinovic</td>
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<td>PA2510</td>
<td>Contribution of adjuvant chemotherapy in stage I pulmonary adenocarcinoma after surgical resection</td>
<td>Seyda Kaya (Izmir, Turkey), Seyda Kaya, Demet Yaldiz, Kenan Can Ceylan, Serpil Sevinc, Ozgur Ozturk</td>
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<td>PA2511</td>
<td>The efficiency of surgical treatment for multidrug-resistant pulmonary and pleural tuberculosis</td>
<td>Azamat Sharipov (Tashkent, Uzbekistan), Azamat Sharipov, Mirzagalib Tillyashaykhov, Odilon Nematov, Shokirjon Mayusupov, Anvar Raskiev, Nematilla Toshev, Giller Dmitrii, Konstantin Valatin</td>
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<td>PA2512</td>
<td>Surgical complications of destructive pulmonary tuberculosis and ways of their correction</td>
<td>Azamat Sharipov (Tashkent, Uzbekistan), Azamat Sharipov, Mirzagalib Tillyashaykhov, Odilon Nematov, Shokirjon Mayusupov, Anvar Raskiev, Nematilla Toshev, Giller Dmitrii, Konstantin Valatin</td>
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<td>PA2513</td>
<td>Application of one-lung high frequency jet ventilation in lung surgery</td>
<td>Kontorovich Mikhail (Yeraterinburg, Russian Federation), Kontorovich Mikhail, Syskov Konstantin</td>
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**Thematic Poster: Open problems in thoracic surgery**

**Chairs:** Stefano Elia (ROME, Italy), Ioannis Psallidas (Oxford, United Kingdom), Paul E. Van Schil (Edegem (Antwerp), Belgium), Chair to be confirmed

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<td>New technologies of corrections hemithorax in treatment of pulmonary tuberculosis</td>
<td>Azamat Sharipov (Tashkent, Uzbekistan), Azamat Sharipov, Mirzagalib Tillyashaykhov, Odilon Nematov, Shokirjon Mayusupov, Anvar Raskiev, Nematilla Toshev, Giller Dmitrii, Konstantin Valatin</td>
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<td>PA2515</td>
<td>Some aspects of antioxidant protection in patients with tuberculosis after lung parenchyma sparing resection</td>
<td>Elena Sabadash (Yekaterinburg, Russian Federation), Elena Sabadash, Sergey Skorniakov, Vladimir Pavlov, Boris Novikov, Eugene Egorov, Igor Medvinsky, Olga Fadina</td>
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<td>PA2516</td>
<td>Extrapleural plombage with silicone filling in stage-by-stage surgical treatment for disseminated pulmonary TB</td>
<td>Mamed Bagirov (Moscow, Russian Federation), Mamed Bagirov, Elena Krasnikova, Svetlana Sadonnikova, Dmitry Prokhodtsov, Adam Ibriev, Vilayat Aliev</td>
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<td>PA2517</td>
<td>Influence of intravenous laser blood irradiation on preoperative care of pulmonary TB patients</td>
<td>Mamed Bagirov (Moscow, Russian Federation), Mamed Bagirov, Vilayat Aliev, Timur Tokaev, Svetlana Sadonnikova, Elena Krasnikova</td>
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<td>PA2518</td>
<td>Effectiveness of lung surgery in MDR TB patients with diabetes mellitus</td>
<td>Mamed Bagirov (Moscow, Russian Federation), Mamed Bagirov, Timur Tokaev, Vilayat Aliev, Kazbek Tokaev, Elena Krasnikova, Oksana Komissarova</td>
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<td>PA2519</td>
<td>Development and improvement of single-stage surgical treatments of patients with spondylitis and pulmonary and pleural TB</td>
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<td>PA2520</td>
<td>The lung surgery for HIV-positive patients</td>
<td>Aleksey Reshetov (Saint-Petersburg, Russian Federation), Aleksey Elkin, Michail Kalechenkov, Taufik Basek, Aleksey Reshetov</td>
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Cholesterol granuloma of the anterior mediastinum with osseous metaplasia
Premjithlal Bhaskaran (London, United Kingdom), Premjithlal Bhaskaran, Maria Montero Fernandez, Georgia Hardavella, Jaymin Morjaria, Nikolaos Anastasiou

Minimally invasive extraction of a mediastinal parathyroid gland by using the mediastinoscope
Kalliopi Athanassiadi (Athens, Greece), Kalliopi Athanassiadi, Nikolaos Papakonstantinou, Stylianos Benakis, Athanasia Mavromati, Dimitra Rontogianni

Etiologies and management of thoracic cysts
Soumaya Ben Saad (Bizerte, Tunisia), Soumaya Ben Saad, Achraf Tkhayat, Sabrine Majdoub, Hafaoua Daghfous, Fatma Tritar

Synchronous lung adenocarcinoma and intrapulmonary thymoma: A rare entity
Kalliopi Athanassiadi (Athens, Greece), Kalliopi Athanassiadi, Nikolaos Papakonstantinou, Stylianos Benakis, Eleni Kyrgiou, Dimitra Rontogianni

Pleural biopsy and talc pleurodesis in undiagnosed recurrent pleural effusions: Many trades which one to choose?
Georgia Hardavella (London, United Kingdom), Ioannis Karampinis, Georgia Hardavella, Premjithlal Bhaskaran, Christo Aalitsa, Antonios Katsipoulakis, Gerasimos Papavasileiou, Nikolaos Anastasiou

Mini-thoracotomy for surgical treatment of adult parapneumonic empyema stage 2b-3 versus standard thoracotomy
Anna Chernihovsky (Nahariya, Israel), Anna Chernihovsky, Michael Gelbstein, Eleni Zverev, Aleksey Gavrilyov, Edward Altman

Outpatient management of malignant pleural effusion in patients unfit for pleurodesis
Luca Bertolaccini (Negrar Verona, Italy), Luca Bertolaccini, Andrea Viti, Simona Paiano, Luca Rosario Assante, Carlo Pomari, Alberto Terzi

Pleural effusions after cardiac surgery: Etiology and outcomes
Dorra Bejar (Tunis, Tunisia), Dorra Bejar, Mariem Triki, Maher Abouda, Ferdaous Yengui, Boutehina Melki, Hadhami Rejeb, Nesrine Ben Mezit, Saousen Antit, Basma Herbeg, Elhem Bousabbeh, Lilia Zakhama, Soraya Ben Youssef, M. Ridha Charfi

Disseminated hydatid disease of lungs
Bahrom Amonov (Tashkent, Uzbekistan), Bahrom Amonov, Shuhrat Khudaybergenov, Georgy Pakhomov, Rustem Hayaliev, Davlathon Maksumov

Primary extrapulmonary intrathoracic hydatid cysts
Anatoli Semkov (Sofia, Bulgaria), Georgi Iankov, Mihail Plochev, Anatoli Semkov, Eljar Goranov, Vladimir Stanoev, Danail Petrov

Comparative analysis of the results of surgical treatment for pulmonary metastases from colorectal cancer and metastases from other primary origin
Vladimir Stanoev (Sofia, Bulgaria), Vladimir Stanoev, Georgi Yankov, Anatoli Semkov, Eljar Goranov, Danail Petrov

The role of single port video assisted thoracic surgery on the pulmonary metastasis treatment
Ricardo Miguel Santos Ferreira (Lisboa, Portugal), Ricardo Miguel Santos Ferreira, Andre Sena, Jorge Cruz

Teratodermoidal tumors of mediastinum
Rustem Hayaliev (Tashkent, Uzbekistan), Rustem Hayaliev, Georgy Pakhomov, Shuhrat Khudaybergenov, Otabek Eshonkhodjaev, Abror Mahmudov

Incidence, outcomes and risk factors for neoplasms in explanted lungs
MANEL EL ANDALOUISSI (BORDEAUX, France), Manel El Andaloussi, Xavier Demant, Elodie Blanchard, Julie Macey, Hadrien Roze, Matthieu Rigaud, Jacques Jougou, Hugues Begueret, Chantal Raherison, Manuel Tounon De Lara, Claire Dromer

Malignant tumours in lung transplant recipients
Armin Frille (Leipzig, Germany), Armin Frille, Alexandra Wald, Hans-Juergen Seyfarth, Hubert Wirtz

Poor patient adherence may contribute to increased skin cancer risk in heart and lung transplant recipients
Kuan Pin Lim (Perth, WA, Australia), Xin Nee Chua, Kuan Pin Lim, Sharon Lawrence, Melanie Lavender, Michael Musk, Jeremy P. Wrobel

Thematic Poster: Long-term outcomes of lung transplantation
Chairs: Robin Vos (Leuven, Belgium), Federica Meloni (Pavia, Italy), Romain Kessler (Strasbourg, France), Christian Benden (Zurich, Switzerland)

ERS International Congress 2016
PA2537  Single center experience with prostate cancer in lung transplantation  RAJAT WALIA (Phoenix, United States of America), Rajat Walia, Ashraf Omar, Vipul Patel, Hesham Abdelrazek, Ross Bremner, Michael Smith

PA2538  Hypogammaglobulinemia in lung transplant candidates  MARGARITA HERRERA MARRERO (Mataró, Spain), Margarita Herrera Marrero, Berta Sáez Giménez, Cristina Berastegui García, Helena Sintes Permanyer, Manuel López-Meseguer, Victor Monforte Torres, Carlos Bravo Magoret, Antonio Roman Broto

PA2539  Retrospective analysis of comorbidities and complications in lung transplantation: Is a new SELeCT score a prognostic tool?  Filippo Patrucco (TORINO, TO, Italy), Filippo Patrucco, Elisa Clivati, Michela Belloccchia, Giulia Verri, Valentina Difino, Daniela Libertucci, Massimo Boffini, Mauro Rinaldi, Caterina Buca, Paolo Solidoro

PA2540  CF sinus disease after lung transplantation  Letizia Corinna Morlacchi (Milan, Italy), Letizia Corinna Morlacchi, Mark Greer, Igor Tudorache, Francesco Blasi, Tobias Welte, Jochen G. Mainz, Jens Gottlieb

PA2541  Nocardia infections after lung transplantation: A case series  Letizia Corinna Morlacchi (Milan, Italy), Letizia Corinna Morlacchi, Valeria Rossetti, Maria Pappalettera, Alice D’Adda, Federica Briganti, Mario Nosotti, Francesco Blasi, Paolo Tarsia

PA2542  Respiratory infections in heart transplant patients  Filipe Leite (Coimbra, Portugal), Filipe Miguel Ferreira Leite, David Prieto, Manuel Antunes

PA2543  Mapping of extracellular matrix proteins in different compartments of transplanted lungs  Catharina Mueller (Lund, Sweden), Catharina Mueller, Annika Andersson-Sjöland, Hans Henrik Schultz, Claus B. Andersen, Martin Iversen, Gunilla Westergren-Thorsson

PA2545  Morphometric comparison of (non-)transplanted explant lungs with obliterative bronchiolitis  Stijn Verleden (Leuven, Belgium), Stijn Verleden, John McDonough, David Ruttens, Robin Vos, Tobias Heigl, Elly Vandermeulen, Hannelore Bellon, Erik Verbeken, Johnny Verschakelen, Dirk Van Raemdonck, Youri Sokolow, Christiane Knoop, Jim Hogg, Geert Verleden, Bart Vanaudenaerde

PA2546  Assessment of pulmonary hypertension in lung transplantation candidates; correlation of doppler echocardiography with right heart catheterization  Merih Kalamanoglu Balci (STANBUL, Turkey), Merih Kalamanoglu Balci, Elif Ari, Mustafa Vayvada, Cuneyt Salturk, Ebru Asicioglu, Gökhan Kahveci, Ozgur Yasar Akbal, Cemal Asim Kutlu

PA2547  The impact of underlying disease on baseline pulmonary function values after lung transplantation  Hans Henrik Schultz (København, Denmark), Hans Henrik Schultz, Christian Möller, Michael Perch, Martin Iversen

PA2548  Total lung capacity size matching in fibrosis lung transplantation  Agathe Delbove (Saint Herblain, France), Agathe Delbove, Isabelle Danner-Boucher, Michèle Treilhaut, Thierry Le Poivre, Alain Haloun, Antoine Magnan, Jean-Christian Roussel, François-Xavier Blanc

PA2550  Early diagnosis of bronchiolitis obliterans syndrome diagnosis after lung transplantation using functional respiratory imaging (FRI)  Francisca Ferreira (Kontich, Belgium), Eduardo Barbosa, Francisca Ferreira, Wim Vos, Cedric Van Holsbeke, Lieven Nuyttens, Wilfried De Backer, Jan De Backer, James Lee

PA2551  Investigation of short term effect of supervised pulmonary rehabilitation program following lung transplantation surgery; the first report of Iranian experience  Atefeh Fakharian (Tehran, Islamic Republic of Iran), Atefeh Fakharian, Shahram Kharabian

PA2552  Association between tacrolimus levels in the first fifteen days post lung transplant and rejection during the first year  Carmen Rosa Vargas Arevalo (Santander, Spain), Carmen Rosa Vargas Arevalo, David Iturbe Fernandez, Jose Manuel Cifrian Martinez, Maria Angeles Cos Cossio, Victor Mora Cuesta, Felipe Zurbaro Goiti

PA2553  Prevalence of pre-transplant anti-HLA antibodies and their impact on outcomes in lung transplant recipients  Ji-Eun Park (Seoul, Republic of Korea), Ji-Eun Park, Eun Hye Lee, Jisoo Choi, Mi Hwa Shin, Song Yee Kim, Young Sam Kim, Se Kyu Kim, Joon Chang, Hyo-Chae Paik, Moo Suk Park

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Thematic Poster: Clinical and microbiological aspects of bronchiectasis and non-tuberculous mycobacterium (NTM) infections  Chairs: Aikaterini Dimakou (Agia Paraskeyi, Greece), Michael Loebinger (London, United Kingdom), Pieter Goeminne (BORNEM, Belgium), Andres de Roux (Berlin, Germany)
PA2554  Longitudinal performance of the bronchiectasis severity index (BSI) in patients on regular intravenous (IV) antibiotic therapy for bronchiectasis
Prasad Palani Velu (Edinburgh, United Kingdom), Prasad Palani Velu, Pallavi Bedi, Kim Turnbull, Adam T. Hill

PA2555  The development and validation of the bronchiectasis health questionnaire (BHQ)
Arietta Spinou (London, United Kingdom), Arietta Spinou, Richard Siegert, Amit Patel, Kai Lee, Caroline Elston, Michael Loebinger, Robert Wilson, Rachel Garrod, Surinder Birring

PA2556  Non-invasive evaluation of airway inflammation in non-CF bronchiectasis
Stamatoula Tsikrika (ATHENS, Greece), Stamatoula Tsikrika, Katerina Dimakou, Andriana Papaioannou, George Hillas, Kostantinos Kostikas, Stelios Loukides, Spyros Papiris, Nikos Koulouris, Petros Bakakos

PA2557  Non CF-bronchiectasis in a Moldovan population: Etiologic, radiological, microbiological and functional profile
Oxana Munteanu (Chisihau, Republic of Moldova), Oxana Munteanu, Victor Botmaru, Doina Rusu, Nicoleta Babalici, Dumitru Chesov

PA2558  Positive microbiology findings in non-cystic fibrosis bronchiectasis and co-morbidities
Zoran Arsovski (Skopje, FYROM (Macedonia)), Zoran Arsovski, Biserka Kjaeva, Dejan Dokic, Zlatica Goseva, Sava Pejkovska, Elena Janeva, Suzana Arbutina, Angela Debreslioska, Anita Arsovksa

PA2559  Disease entities and microbiological results of 430 patients with non-CF bronchiectasis - Target for new diagnostics and therapies?
Carsten Schwarz (BERLIN, Germany), Carsten Schwarz, Horst von Bernuth, Claudia Rolinck-Werninghaus, Jobst Fridolin Roehmel, Susanne Lau, Markus Becker, Maria Deja, Doris Staab

PA2560  Clinico-pathological profile of adult bronchiectasis patients at a North Indian teaching hospital
Mrityunjaya Singh (VARANASI (UTTAR PRADESH), India), Mrityunjaya Singh, Govind Narayan Srivastava, Manoj Meena, Mohit Bhatta, Shruti Singh

PA2561  In vitro evaluation of the Twincer colistin dry powder inhaler as a non-cough-inducing alternative to Colobreathe
Paul Hagedoorn (Groningen, Netherlands), Paul Hagedoorn, Floris Grasmeijer, Marcel Hoppentocht, Onno Akkerman, Hendrik Frijlink, Anne de Boer

PA2562  Evaluation of inhaled dry powder tobramycin free base in non-cystic fibrosis bronchiectasis patients
Marcel Hoppentocht (Groningen, Netherlands), Marcel Hoppentocht, Onno Akkerman, Paul Hagedoorn, Jan-Willem Alffenaar, Tjip van der Werf, Huib Kerstjens, Hendrik Frijlink, Anne de Boer

PA2563  Latent class analysis of CT patterns in pulmonary non-tuberculous mycobacterial infection
Steven Cowman (London, United Kingdom), Steven Cowman, Joseph Jacob, David Hansell, Robert Wilson, Michael Loebinger

PA2564  Development of a prognostic scoring system for Mycobacterium avium complex lung disease
Shogo Kumagai (Kurashiki, Japan), Shogo Kumagai, Akihiro Ito, Koji Furuuchi, Tadashi Ishida, Toru Hashimoto

PA2565  Azithromycin and nontuberculous mycobacteria: Is there an association?
Asha Patel (Derby, United Kingdom), Vadsala Baskaran, Asha Patel, Akhil Shial, Isabelle Van Heeswijk, Irfan Wahedna

PA2566  Clinico-microbiological analysis of mycobacterium abscessus complex in Japan
Kozo Morimoto (Kiyose-shi, Tokyo, Japan), Kozo Morimoto, Akio Aono, Yoshiro Murase, Kinuyo Chikamatsu, Yuriko Igarashi, Lina Yi, Takashi Ofuji, Hiroyuki Yamada, Akiko Takaki, Atsuyuki Kurashima, Satoshi Mitarai

PA2567  Treatment outcomes of macrolide-resistant mycobacterium avium complex lung disease
Seong Mi Moon (Seoul, Republic of Korea), Seong Mi Moon, Hye Yun Park, Su-Young Kim, Kyeongman Jeon, Seung-Heon Lee, Chang Ki Kim, Sung Jae Shin, Won-Jung Koh

PA2568  Epidemiology and clinical features of nontuberculous mycobacterial lung disease in a subtropical region in Japan: Analysis with a 7-year data in two major hospitals
Hiroaki Nagano (Okinawa prefecture, Japan), Hiroaki Nagano, Takeshi Kinjou, Yuichirou Nei, Shin Yamashiro, Jirou Fujita, Tomoo Kishaba

PA2569  Adherence to American Thoracic Society (ATS) diagnostic criteria when treating non-tuberculous mycobacterial species over 7 years at Queen Alexandra Hospital (QAH), Portsmouth, England
Hannah Schiff (Winchester, United Kingdom), Hannah Schiff, Sophie Philpot, Andrew Achaiah, Georgina Boyes, Adriana Pereira, Ben Green

PA2570  Clinical features, spectrum and susceptibility pattern of non tuberculous mycobacterium isolated from pulmonary samples at tertiary care center, Pakistan
Nousheen Iqbal (Karachi, Pakistan), Nousheen Iqbal, Muhammad Irfan, Joveria Farooqi, Kauser Jabeen, Javaid Khan
**Aero-environmental bacteriological survey of respiratory non-tuberculosis mycobacterial disease patients**

Akio Aono (Tokyo, Japan), Akio Aono, Kozo Morimoto, Yoshiro Murase, Kinuyo Chikamatsu, Yuriko Igarashi, Lina Yi, Takashi Ohfuji, Kentaro Sakashita, Hiroyuki Yamada, Akiko Takaki, Atsuyuki Kurashima, Satoshi Mitarai

**Epidemiological and clinical features of non tuberculosis mycobacteria infection (NTM) in a five-year single centre experience**

Valentina Conio (PAVIA, Italy), Valentina Conio, Davide Piloni, Alessandro Cascina, Thomas Galasso, Barbara Fusar Poli, Francesca Cenmi, Amelia Grosso, Erica Gini, Federica Albicini, Federica Meloni, Angelo Guido Corsico

**Attenuated lymphocyte immune response in mycobacterium avium complex-lung disease through over-expressed programmed death-1 receptor**

Chin-Chung Shu (Taipei, Taiwan), Chin-Chung Shu, Jann-Yuan Wang, Ming-Fang Wu, Chong-Jen Yu

**Session 397**

**Thematic Poster: Community-acquired pneumonia: risk classes and management issues**

**Chairs:** Rosario Menendez Villanueva (Valencia, Spain), Brandon Webb (Murray, United States of America), Ane Uranga (Bilbao, Spain), Charles Feldman (JOHANNESBURG, South Africa)

**PA2574 Risk factors for pneumonia-associated mortality on autopsy-confirmed patients with dementia**

Toshie Manabe (Tokyo, Japan), Toshie Manabe, Katsuyoshi Mizukami, Akatsu Hiroyasu, Seiji Nakamura, Shinji Teramoto, Nobuyuki Hizawa, Koichiro Kudo

**PA2575 Frailty and loss of rectus femoris muscle thickness in elderly patients hospitalized with community-acquired pneumonia - A case-control study**

Hirokazu Touge (Yonago, Japan), Hirokazu Touge, Katsuyuki Tomita, Yasuto Ueda, Keiji Matsunami, Tsuyoshi Kitaura, Shizuka Nishii, Hiromitsu Sakai, Akira Yamashita, Yuji Kawasaki, Eiji Shimizu

**PA2576 Risk factors for fatal outcome in aspiration pneumonia cases with postural drainage**

Sugimoto Yukihiro (Fukuoka, Japan), Sugimoto Yukihiro, Yamamoto Takayuki, Nakazato Mio, Takayama Masanori

**PA2577 Outcomes after implementation of a revised electronic clinical decision support tool for community-onset pneumonia**

Brandon Webb (Murray, United States of America), Brandon Webb, Jeff Sorensen, Al Jephson, Herman Post, Jeffrey Ferraro, Peter Haug, Todd Allen, Nathan Dean

**PA2578 The effect of coding on community acquired pneumonia reported mortality**

Priya Daniel (nottingham, United Kingdom), Priya Daniel, Sally Welham, Wei Shen Lim, British Thoracic Society

**PA2579 Improvement in community acquired pneumonia (CAP) management using a locally developed care bundle**

Laura Macfarlane (Manchester, United Kingdom), Laura Macfarlane, Jenny King, Philip Webb, Richard Barraclough, Cristina Avram

**PA2580 Effect of adherence to guidelines on mortality, length of stay and critical care admission in community-acquired pneumonia**

Ian Webster (lancashire, United Kingdom), Olivia George, Ian Webster

**PA2581 The implementation of IDSA/ATS and the Greek national guidelines for CAP by chest physicians in Greece**

Charalampos Triantafyllidis (Kaval, Greece), Charalampos Triantafyllidis, Vasiliis Kapordelis, Ioannis Nikolopoulos, Maria Apostolidou, Dora Orfanodou, Angelos Petanis

**PA2582 Pneumology outpatient clinic’s role during an outbreak of Legionnaires’ disease**

Joana Afonso Branco (Amadora, Portugal), Joana Branco, Carlos Macedo, Nelson Marçal, Ana Alves, Catarina Pissarra, Paula Rosa

**PA2583 Modern etiology of severe community-acquired pneumonia**

Mikhail Khartonov (ST PETERSBURG, Russian Federation), Mikhail Khartonov, Mikhail Zhurkin, Vladimir Ivanov, Andrey Nikolaev, Sergey Kotov, Svetlana Rubova

**PA2584 Role of flexible-bronchoscopy in community-acquired pneumonia - A retrospective analysis**

Joana Filipa Clemente Duarte (Entroncamento, Portugal), Joana Filipa Clemente Duarte, Carlos Robalo Cordeiro, António Jorge Ferreira

**PA2585 Predictive factors for true bacteremia and clinical utility of blood cultures as a prognostic tool in patients with community-onset pneumonia**

Jong Hoo Lee (Jeju, Republic of Korea), Jong Hoo Lee, Yee Hyung Kim

**PA2586 Severe community-acquired pneumonia in alcoholic patients hospitalized in intensive care unit**

Valentins Calancea (Chisinau, Republic of Moldova), Calancea Valentin, Tatiana Dumitras, Sergiu Matcovchi, Cornelia Gutu-Bahov
| PA2587 | Community acquired pneumonia and co-existing acute kidney injury have poor clinical outcomes | Sarah Paterson (Altrincham, United Kingdom), Sarah Paterson, Alexandra Bramley, Jennifer Thornley, Rajesh Yadavilli |
| PA2588 | Changes in levels of inflammatory markers (procalcitonin, C-reactive protein) in pregnant with community-acquired pneumonia (CAP) | Nataliia Kravchenko (Dniepropetrovsk, Ukraine), Nataliia Kravchenko, Tetyana Pertseva, Tetyana Kireyeva |
| PA2589 | Role of procalcitonin in predicting severity and in-hospital mortality in patients with community-acquired pneumonia | Darina Miteva (Varna, Bulgaria), Darina Miteva, Yordan Radkov, Lilya Ivanova, Trifon Chervenkov, Vanya Kostadinova |
| PA2590 | Community-acquired pneumonia requiring hospitalization in HIV-infected patients | Maria Brandão (Vila Nova de Gaia, Portugal), Maria Brandão, Joélma Silva, Bebiana Conde, Fernando Guimarães, Trigo Faria |
| PA2591 | A study of the prevalence of streptococcus pneumoniae serotypes in patients hospitalised for community-acquired pneumonia | Roslina Abdul Manap (PETALING JAYA, Malaysia), Alia Bahtar, Roslina Abdul Manap, Andrea Ban |
| PA2592 | Impact of nasopharyngeal pneumococcal colonization on dendritic cell-dependent protective immunity against invasive pneumococcal disease in mice | Anne Domschke (HANNOVER, Germany), Anne Domschke, Nadine Ding, Lara Friederike Bittersohl, Gabriele Kirchhoff, Tobias Welte, Ulrich A. Maus |
| PA2593 | Pneumolysin mediates platelet activation in vitro | Charles Feldman (JOHANNESBURG, South Africa), Jan-Gert Nel, Chrisna Durnadt, Timothy Mitchell, Charles Feldman, Ronald Anderson, Gregory Tintinger |

**Session 398** 12:50 - 14:40

**Thematic Poster: Viral infections in different respiratory conditions: from the bedside to the lab**

**Chairs:** Pasi Penttinen (Stockholm, Sweden), Nikoletta Rovina (Athens, Greece), Carlos M. Luna (Buenos Aires, Argentina), Eva Van Braeckel (Ghent, Belgium)

| PA2594 | Cost-effectiveness analysis of diagnostics tests of respiratory tract infection in cancer patients | Teresa Furlan (SAO PAULO/SP, Brazil), Teresa Furlan, Eduardo Massad |
| PA2595 | Healthcare worker influenza vaccination is associated with reduced rates of sickness absence | Nick Hopkinson (LONDON, United Kingdom), Miguel Pereira, Sian Williams, Louise Restrick, Paul Cullinan, Nick Hopkinson |
| PA2596 | Age and impact of vaccine on seasonal H1N1p severe infection | Ana Lucia Figueredo Cacacho (Zaragoza, Spain), Ana Lucia Figueredo Cacacho, Elisa Minchole Lapuente, Dinora Polanco Alonso, Carolina Panadero Paz, Laura Royo Martin, José Javier Vengoechea Aragoncillo, Francisco De Pablo, Salvador Bello Dronda |
| PA2597 | Differences of clinical manifestation between influenza subtypes | Hoon Jung (Goyang-Si, Republic of Korea), Hoon Jung, Su Bin Kim, Hye Kyeng Park, Hyeon-Kyoung Koo, Sung-Soon Lee |
| PA2598 | H1N1pdm09 is an independent risk factor for severe influenza | Ana Lucia Figueredo Cacacho (Zaragoza, Spain), Ana Lucia Figueredo Cacacho, Elisa Minchole, Dinora Polanco, Carolina Panadero, Laura Royo, José Javier Vengoechea, Francisco De Pablo, Salvador Bello Dronda |
| PA2599 | Influence of respiratory viruses on airflow decline after allogenic hematopoietic stem cell transplantation | Camille de Seynes (Bordeaux, France), Camille de Seynes, Hervé Fleury, Noël Milpied, Reza Tabrizi, Stéphane Viguouroux, Claire Dromer, Chantal Raherison, Elodie Blanchard |
| PA2600 | NOX2 oxidase expressed in endosomes exacerbates influenza pathogenicity | Eunice To (Clayton, Australia), Eunice To, Raymond Luong, Michelle Halls, Patrick Reading, Paul King, Christopher Chan, Grant Drummond, Christopher Sobey, Bradley Broughton, Malcolm Starkey, Renee Van de Sluis, Sharon Lewin, John O’Leary, Doug Brooks, Tim Quach, Christopher Porter, Steven Bozinovski, Ross Vilahos, Stavros Selemidis |
| PA2601 | The role of human neutrophil defensins in patients with pneumonia caused by influenza A (H1N1v) | Sergey Lukyanov (Chita, Zabaykalsky Krai, Russian Federation), Sergey Lukyanov, Elena Romanova, Vladimir Gorbunov, Tatyana Karavaeva, Anatoly Govorin |
| PA2602 | Baseline incidence of respiratory viruses in asymptomatic patients | Alicia Mitchell (Naremburn, Australia), Alicia Mitchell, Matthew Peters, Lucy Morgan, Brian Oliver |
Can procalcitonin (PCT) be an indicator of viral severe community-acquired pneumonia (CAP) based on epidemics of influenza H1N1 in season 2015-2016?
Kseniia Bielosludtseva (Dniepropetrovsk, Ukraine), Kseniia Bielosludtseva, Tetyana Pertseva, Tetyana Kireyeva

Human rhinovirus (HRV) induced changes in mild asthma: Time course of clinical and inflammatory biomarker changes
Alex Mann (London, United Kingdom), Alex Mann, Ganesh Balaratnam, Jane Gunter, Pawel Rucki, Chris Poll, John Eftimiou

Spectrum of viral pathogens in adult patients with infectious exacerbation of chronic bronchitis
Olga Denysyova (Kyiv, Ukraine), Olga Denysyova, Mykola Gumenyuk, Olexandr Dziublyk, Irina Dziublyk, Oksana Kukalo, Georgy Kapitan, Olexandr Mukhin, Rostyslav Sukhin, Nina Nedlinska, Vitaly Iachnyk

Provision of influenza immunisation for UK HIV positive adults
Elisia Pickett (Greater London, United Kingdom), Elisia Pickett, May Van Schalkwyk, James Brown, Kelly Edwards, Neal Marshall, Sarah Edwards, Leenah Sathia, Maragaret Johnson, Marc Lipman

Status of the hepatobiliary system in women of childbearing age with acute bronchitis, caused influenza A(H1N1)swl
Victor Kolosov (Blagoveshchensk, Amur Oblast, Russian Federation), Victor Kolosov, Igor Gorikov, Leonid Nakhamchen

Rhinovirus infection of human ciliated respiratory epithelial cultures
Claire Smith (London, United Kingdom), Claire Smith, Priya Radhakrishnan, Dani DoHyang Lee, Edith M. Hessel, Rick Williamson, Chris O’Callaghan

Clinical characteristics and risk factors of virus or influenza infection among the hospitalized pneumonia in COPD patients
YuJin Kim (Incheon, Republic of Korea), YuJin Kim, Sun Young Kyung, Hyun Joong Hwang, Jeong-Woong Park, Shin Myung Kang, Sung Hwan Jeong

Abortive replication and reactivation in vitro respiratory syncytial virus (RSV) infection in palivizumab-treated H el a cells
Matthew Wee-Peng Poh (Subiaco, WA, Australia), Matthew Wee-Peng Poh, Angela Fonceca, Anthony Kicc, Mark Everard

The role of suppressor of cytokine signalling 1 (SOCS1) in virus-induced asthma exacerbations
Kate Strong (London, United Kingdom), Kate Strong, Peter McErlean, Jaideep Dharial, Maria-Belen Trujillo-Torallo, Sebastian L. Johnston, Paul Lavender, Michael R. Edwards

Acute respiratory adhesion sites are upregulated in smokers and chronic airflow limitation (CAL)
E. Haydn Walters (Hobart, TAS, Australia), Shakki Shukla, Malik Mahmood, Konrad Muller, Steven Weston, Sukhwinder Sohal, Haydn Walters

Thematic Poster: Microbiological issues and translational research in respiratory infections
Chairs: Stefan Krüger (DUSSELDORF, Germany), Michael Tamm (Basel, Switzerland), Tomas Mikal Eagan (Bergen, Norway), Adamadia Liapikou (Athens, Greece)

Macrolide-resistant mycoplasma pneumoniae in respiratory tract infection and its clinical relevance
Pornaman Domthong (Bangkok, Thailand), Pornaman Domthong, Uthumporn Domthong, Poonaopong Hansiriphan, Virisorn Wongsrichanalai, Sudaluck Tanyaharn, Varunya Wutthichan, Patumporn Jian-umpunkul, Anan Wattanathum

Dynamic of resistance of streptococcus pneumoniae strains from patients with CAP in tertiary tertiary hospital: 10 years prospective study
Nelya Bisenova (Astana, Kazakhstan), Nelya Bissenova, Aigerim Yergaliyeva

A multicenter study of antimicrobial resistance of clinical strains of pneumococci in Kyrgyzstan
Berik Emilov (Bishkek, Kyrgyzstan), Berik Emilov, Mairam Alybaeva, Ainura Ergeshova, Berken Estebesova, Barton Smith, Talant Sooronbaev

Bacterial profile and antibiotic susceptibility from patients with exacerbation of COPD: 10 - years prospective study
Nelya Bisenova (Astana, Kazakhstan), Nelya Bissenova, Aigerim Yergaliyeva

A study of the relation of microbiological etiology with analytical and clinical parameters in exacerbation of COPD
Ankit Bhatia (GHaziabad, Uttar Pradesh, India), Ankit Bhatia, Surya Kant, Amita Jain, Ved Prakash, Ajay Verma
PA2619 Diagnosing viral and bacterial respiratory infections in acute COPD exacerbations by electronic nose
Wouter H. van Geffen (Leeuwarden, Netherlands), Wouter H. van Geffen, Huib Kerstjens

PA2620 Efficacy of dexamethasone, roflumilast and azithromycin in a murine cigarette smoke/NTHi infection model
Hannes Bucher (Biberach an der Riss, Germany), Hannes Bucher, Birgit Jung, Klaus J. Erb

PA2621 Cytotoxic responses of mucosal-associated Invariant T cells to NTHi infection
Joshua Wallington (Southampton, United Kingdom), Joshua Wallington, Anthony P. Williams, Karl J. Staples, Tom M.A. Wilkinson

PA2622 Identification of viable and non-viable haemophilus influenzae using qPCR
Samantha Thulborn (Carterton, United Kingdom), Samantha Thulborn, Mona Bafadhel

PA2623 Development of an antibody therapy for the treatment of pneumonia
Jenny Herbert (London, United Kingdom), Jenny Herbert, Timothy Mitchell

PA2624 Mesenchymal stem cells enhance bacterial clearance of streptococcal pneumoniae and pseudomonas aeruginosa in the lung
Rosemary J. Boyton (LONDON, United Kingdom), Rosemary J. Boyton, Janet Stowell, Catherine Reynolds, Kathryn Quigley, Daniel Altmann, Francesco Dazzi

PA2625 Molecular mechanisms and virulence of colistin-resistant klebsiella pneumoniae
Timothy J. Kidd (Brisbane, QLD, Australia), Timothy J. Kidd, Grant Mills, Ian Brennan, Amy Dumigan, Laura Hobley, José Luis Insua, Joana Sá-Pessoa, Lydia Roets, José A. Bengoechea

PA2626 Monitoring of pneumocystis jirovecii pneumonia by specialized pro-resolving mediators
Marc dubourdeau (Toulouse, France), Marc Dubourdeau, Vincent Baillif, Gerald Chene, Charlotte Guigne, Estelle Wanecq, Emeline Van Goethem, Marine Le Bouru, Antoine Berry, Xavier Iriart

PA2627 Pulmonary constituent cells shape migration patterns of phagocyte cells in staphylococcal pneumonia
Mattias Svensson (Stockholm, Sweden), Mattias Svensson, Srikant Maniappad Shambat, Puran Chen, Anna Norrby-Teglund

PA2628 Microbiological spectrum and susceptibility pattern of clinical isolates from the Respiratory Intensive and Post-Intensive Care Unit of University Hospital Center Zagreb, Croatia
Gordana Pavlisa (Zagreb, Croatia), Gordana Pavlisa, Andrea Vukic Dugac, Ana Hecimovic, Hrvoje Puretic, Marko Jakopovic, Miroslav Samzarij

PA2629 Genetic homology between bacteria in pus from the pyothorax and bacteria in the oral cavity in patients with pyothorax
Rinko Katsuda (Himeji, Japan), Rinko Katsuda, Junya Inubushi, Toru Eguchi, Yasuhiro Nakahara, Kunihiko Terada, Ryogo Kagami, Yasushi Fukuda, Kiyotaka Onishi, Kenji Hanaoka, Tomohiro Kato, Kouhei Miyake, Yoko Yokoi, Yasuyuki Mizumori, Hiroyuki Tsukamoto, Shin Sasaki, Tetsuji Kawamura, Yoshiro Mochizuki

PA2630 Effect of N-acetylcysteine on the activity of antibiotics against relevant respiratory pathogens
Francesco Sergio (Bresso, MI, Italy), Giulia Landini, Tiziana Di Maggio, Francesco Blasi, Mario Cazzola, Francesco Sergio, Lucia Pallecchi, Gian Mario Rossolini

PA2631 Real-life effectiveness data on prevention OF COPD and asthma exacerbations with 13-valent pneumococcal conjugate vaccine (PCV13)
MIGUEL ANGEL HERNANDEZ MEZQUITA (ALDEATEJADA, Spain), Miguel Angel Hernandez Mezquita, Alexis Morales Boscam, Vanesa Hidalgo Sierra, Mercedes Sobrino Ballesteros, Miguel Barrueco Ferrero

PA2632 Late-Breaking Abstract: Pseudomonas aeruginosa strain prevalence, adaptation and diversification, during chronic lung infections of UK non-cystic fibrosis bronchiectasis patients
Craig Winstanley (Liverpool, United Kingdom), Craig Winstanley, Yasmin Hilliam, Matthew Moore, Iain Lamont, Charles Haworth, Diana Bilton, Juliet Foweraker, Martin Walshaw, Joanne Fothergill, Anthony De Soyza

PA2634 Usefulness of real time-polymerase chain reaction (RT-PCR) in the diagnosis of ICU-acquired pneumonia (ICUAP)
Adrian Ceccato (Ituzaingo, Argentina), Adrian Ceccato, Catia Cilloniz, Miquel Ferrer, Gian Luigi Li Bassi, Laia Fernandez Barat, Tarek Sennussi Testa, Mariano Rinaudo, Mariano Esperatti, Francesco Idone, Antoni Torres
Tracheal amylase as a marker for associated ventilator infections in traumatic brain injury patients
Erick Joel Rendón Ramírez (Monterrey, Mexico), Erick Joel Rendón Ramírez, Alexis S. Herrera Guerra, Perla R. Colunga, Claudia Rivera Uribe, Erick W. Renpenning Carrasco

Microbiological vs non-microbiological confirmed nventilator ICU-acquired pneumonia
Tarek Senussi Testa (Celle Ligure, Italy), Tarek Senussi Testa, Francesco A. Idone, Adrian Ceccato, Miquel Ferrer, Gianluigi Li Bassi, Otavio T Ranzani, Albert Gabarrus, Juan Rosselló Sancho, Antoni Torres

Effect of de-escalation antibiotic therapy on hospital-acquired, ventilator associated, and healthcare-associated pneumonia: A systematic review and meta-analysis
Toshie Manabe (Tokyo, Japan), Toshie Manabe, Yuji Fujikura, Shinji Teramoto, Nobuyuki Hizawa, Koichiro Kudo

The current pathogens and treatment of hospital-acquired pneumonia/ventilator-associated pneumonia in medical intensive care units: A prospective cohort observational study
Youjin Chang (Cheongju, Republic of Korea), Youjin Chang, Young-Jae Cho, Sang-Min Lee, Kyeongman Jeon, Seok Chan Kim, Young Sam Kim, Yong Pil Chong, Sang-Bum Hong

The association of ventilator-associated pneumonia with the frequent exchange of endotracheal tube
Li YiaTing (Taichung, Taiwan), Li YiaTing, Lu MinChi, Yang ShunFa, Wang YaoChen

Antibiotic prescription patterns for treating respiratory infections across intensive care unit (ICUs) in India

Pneumonia in neutropenic patients with haematologic malignancies and disorders: Frequency and predictors of ICU admission at a tertiary care hospital in Karachi, Pakistan
Irfan Muhammad (KARACHI, Pakistan), Farah Idrees, Muhammad Irfan

Caspofungin pulses for CPA (chronic pulmonary aspergillosis): A retrospective study
Michele Fernandes (London, United Kingdom), Michele Fernandes, Anand Shah, Sophie Brooks, Emily Grist, Robert Wilson, Michael Loevinger

Intrabronchial voriconazole instillation provides effective hemoptysis control in inoperable pulmonary aspergillosis
Anant Mohan (New Delhi, India), Anant Mohan, Pawan Tiwari, Rosemary Poulouse, Karan Madan, Vijay Hadda, Ashu Seith, Rohit Khandelwal, G.C. Khilnani, Randeep Guleria

Clinical and radiological features of pneumocystis pneumonia in immunocompromised non-HIV patients
Prakruth Venkatappa (Milton Keynes, United Kingdom), Prakruth Venkatappa, Milan Bhattacharya, Mansoor Raza, Ajikumar Kavidasain, Rabinder Randhawa

Treatment outcome in patients with chronic pulmonary aspergillosis by azole-resistant aspergillus fumigatus
ikeita Takeda (Tokyo, Japan), Keita Takeda, Junko Suzuki, Hideaki Nagai, Masahiro Kawashima, Nobuharu Ohshima, Atsuhisa Tamura, Shinobu Akagawa, Hirotohshi Matsui, Ken Ohta, Akira Watanabe, Katsuhiko Kamei

Risk factors and treatment outcomes in patients with chronic pulmonary aspergillosis
Kshitij Agarwal (New Delhi, India), Kshitij Agarwal, Anuradha Chowdhary, M. Rahman, Anil Chaudhry, S.N. Gaur

Botryotrichum infection in an adult patient with undiagnosed chronic granulomatous disease
Ian M. Adcock (London, United Kingdom), Jallal Heshmatnya, Majid Marjani, Alireza Mahdaviani, Mihan Pourabdollah, Ian M. Adcock, Johan Garssen, Davood Mansouri, Esmaeil Mortaz

Compared efficacies of lung delivery using two nebulizers in the prophylaxis against pneumocystis carinii pneumonia
Audag Nicolas (BRUXELLES, Belgium), Audag Nicolas, Liistro Giuseppe, Leal Teresinha, Reychler Gregory

Evolution of empyema thoracis in the last 20 years in the South A rea of Seville, Spain
Mercedes Merino Sanchez (Cádiz, Spain), Mercedes Merino Sanchez, Immaculada Alfageme Michavila, Nuria Reyes Núñez

Is empirical antibiotic treatment correlated to outcome in microbiology-negative pleural infection?
Christian Niels Meyer (Roskilde, Denmark), Christian Niels Meyer, Karin Armbruster
PA2653  Clinical presentation and mortality of tuberculosis in the elderly
Leonor Meira (Leça da Palmeira, Portugal), Leonor Meira, Rita Boaventura, David Araújo, Leonor Mendonça Almeida, Helder Novais Bastos

PA2654  Thoracic tuberculosis (TB) in 75 to 100 year-old patients
Eva TABERNERO HUGUET (Bilbao (Bizkaia), Spain), Idloa Salinas Garrido, Eva Tabernero Huguet, Javier Garrós Garay, Pilar Gil Alaña, Esteban Ciruelos Ayuso, Isabel Lopez Aranaga, Ramón Alkiza Basañez

PA2655  Clinical and radiological features of pulmonary tuberculosis in elderly
abit hedhli (Tunis, Tunisia), Abir Hedhli, Hajer Racil, Sonia Habibe, Saoussen Bacha, Sana Cheikhrouhoub, Naouel Chaouch, Abdellatif Chabbou

PA2656  Tuberculosis epidemiological shift in Portugal
Luciana Pimenta Bento (Lisboa, Portugal), Luciana Pimenta Bento, Telma Sequeira, Miguel Villar

PA2657  Socio-demographic and clinical characteristics of patients with tuberculosis and diabetes in European countries. A TB-net study
Monica Sane Schepisi (Rome, Italy), Monica Sane Schepisi, Emanuele Pontali, Katerina Manika, M. Nieves Altet Gomez, Monica Rios Prego, Jaime Esteban, Anne Ma Dyrhol-Risoe, Ivan Solovic, Pierfrancesco Giorgetti, Andrii Dudnyk, Jan Heyckendorf, Berit Lange, Zorica Nanovic, Anna Kaluzhenina, Simon Tiberi, Enrico Girardi

PA2658  Comparison of the clinical manifestations of tuberculosis in patients with different type's of diabetes mellitus and without it
Oksana Komissarova (Moscow, Russian Federation), Oksana Komissarova, Olga Konyaye, Olga Berejna, Rizvan Abdullaev, Irina Vasilyeva

PA2659  Clinical characteristics and outcomes of pulmonary tuberculosis in patients with diabetes mellitus
abit hedhli (Tunis, Tunisia), Abir Hedhli, Hajer Racil, Sonia Habibe, Saoussen Bacha, Sana Cheikhrouhoub, Naouel Chaouch, Abdellatif Chabbou

PA2660  Link between clinical severity of osteoarticular tuberculosis and the combined presence of pulmonary tuberculosis
Shigehisa Yanagi (Miyazaki, Japan), Shigehisa Yanagi, Toshihiko Ihi, Hiroshi Kuroki, Toshinobu Higa, Masamitsu Nakazato

PA2661  A retrospective case series: Bone and joint TB in North East London
Nabila Zaman (Southend-on-Sea, United Kingdom), Nabila Zaman, Devan Vaghela, Heinke Kunst, Veronica White, Simon Tiberi, Nivenka Jayasekera

PA2662  Risk factors of severe clinical forms of tuberculosis
Islam Mejri Ep Ajili (Hamman Mil Ben Arous, Tunisia), Islam Mejri Ep Ajili, Soumaya Ben Saad, Achref Ben Tkhayet, Hafoua Daighfous, Fatma Tritar

PA2663  Silicosis, tuberculosis time bomb?
Vitor Emanuel Cabral Melo Pereira (Rio Tinto, Portugal), Vitor Emanuel Cabral Melo Pereira, Luis Baia, Rita Gaio, Raquel Duarte

PA2664  Oesophageal perforation secondary to tuberculous lymphadenitis: Experience of a tertiary centre
Desmond Hsu (London, United Kingdom), Desmond Hsu, Joanne Ooi, Simon Tiberi, Heinke Kunst

PA2665  Reasons for suspicion of prostate tuberculosis
Ekaterina Kulchavenya (Novosibirsk, Russian Federation), Ekaterina Kulchavenya

PA2666  Risk factors and clinical outcomes of delayed smear conversion in smear positive pulmonary tuberculosis
Hye Seon Kang (Seoul, Republic of Korea), Hye Seon Kang, Ah Young Shin, Jick Hwan Ha, Joong Hyun Ahn

PA2667  Lymphocytopenia in pulmonary tuberculosis: Does it have a clinical value?
sabrine majdoub fehri (ARIANA, Tunisia), Sabrine Majdoub Fehri, Hajer Racil, Sonia Habibe, Saoussen Bacha, Sana Cheikhrouhoub, Nawel Chaouech, Abdellatif Chabbou

PA2668  Recurrent TB in Ireland is predominantly due to relapsed infection and is frequently associated with poor compliance with therapy
Laura Gleeson (Dublin, Ireland), Laura Gleeson, Philomena Raftery, Margaret Fitzgibbon, Mary O’Meara, Thomas Rogers, Joseph Keane

PA2669  Predictors of hepatotoxicity among patients with tuberculosis treated with antituberculous medication
Ruth Cusack (Waterford, Ireland), Ruth Cusack, Liam Chawke, Deirdre O’Brien, Terence O’Connor

PA2670  Evaluation of drug induced liver injury due to anti tuberculous drugs in directly observed daily therapy
Subramanian Natarajan (Mumbai, India), Subramanian Natarajan, Poonam Subramanian
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<th>The effectiveness of pulmonary TB treatment in patients with organic liver diseases, depending on the way of administration of anti-TB drugs</th>
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<td>Mykhailo Kuzhko (Kyiv, Ukraine), Mykhailo Kuzhko, Nataliia Hulchuk, Tetiana Tlustova, Oksana Avramchuk, Mykola Gumieniuk</td>
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<tr>
<th>PA2672</th>
<th>Rifampycin induced leukocytoclastic vasculitis. A rare side-effect of anti-tuberculous chemotherapy</th>
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<tr>
<td>Alexandra Ewence (Salisbury, United Kingdom), Alexandra Ewence, Jessica Dodd, Angela Tewari, Victoria Akhras, Raminder Aul</td>
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**T-29**  
**Session 402**  
**12:50 - 14:40**  
**Thematic Poster: Update on drug-resistant tuberculosis**  
**Chairs:** Elmira Ibraim (BUCURESTI, Romania), Lucy V. Baker (London, United Kingdom), Christoph Lange (Borstel, Germany), Marc Lipman (London, United Kingdom)  

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<tr>
<th>PA2673</th>
<th>Programmatic management of drug resistance tuberculosis: Outcome analysis of 200 patients in western part of Rajasthan, India</th>
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<tr>
<td>Sunil Kumar (Jodhpur, India), Sunil Kumar, Kailash Sharma, K.C. Agarwal, Swetabh Purohit</td>
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<tr>
<th>PA2674</th>
<th>Prevalence of rifampicin resistance by CBT-NAAT in previously treated pulmonary tuberculosis cases</th>
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<tr>
<td>Mahendra Kumar Bainara (Udaipur, India), Mahendra Kumar Bainara, Ananda Datta, Dinesh Kumar Sharma</td>
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<tr>
<th>PA2675</th>
<th>Indicators of rifampicin-resistant TB response in Belarus, 2009-2014</th>
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<tr>
<td>Alena Skrahina (Minsk region, Belarus), Alena Skrahina, Hennadz Hurevich, Andrei Astrauko, Dzmitry Klimuk, Liudmila Zhylevich, Valiantsin Rusovich, Masoud Dara, Andrei Dadu, Dennis Falzon</td>
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<th>PA2676</th>
<th>Rifampicin and INH monoresistance prevalence among Iraqi smear positive pulmonary tuberculosis cases</th>
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<tr>
<td>Mohammad Abdulrazaq (Bagdad, Iraq), Mohammad Abdulrazaq, Layth Salih, Ahmed Mankhi, Hyder Al-Sikafi, Hussain Aldoori, Amar Zaidan, Samer Ameen, Talal Rajeb</td>
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<tr>
<th>PA2677</th>
<th>Range of additional drug resistance of M. tuberculosis in XDR-TB patients</th>
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<tr>
<td>Irina Vasilyeva Anatolievna (Moscow, Russian Federation), Irina Vasilyeva Anatolievna, Anastasia Samoilova, Larisa Chernousova, Tatev Bagdasaryan, Vadim Testov</td>
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<tr>
<th>PA2678</th>
<th>Dynamics analysis of MTB drug resistance to antituberculosis second-line drugs (Saratov region hospital, Russia)</th>
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<tr>
<td>Liudmila Pankratova (Saratov, Russian Federation), Liudmila Pankratova, Natalia Kazimirova, Inna Volchkova, Nikita Novolokin</td>
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<th>PA2679</th>
<th>Study on drug sensitivity patterns in tuberculosis in tertiary care in Mumbai</th>
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<td>Namrata Kewalramani (Mumbai, India), Namrata Saxena, Vikas Agarwal, Amita Nene</td>
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<th>PA2680</th>
<th>Particularities of a cohort of preXDR / XDR TB patients treated with group 5 medication, hospitalized in MDR TB Department Institute of Pneumonhthology Bucharest, Romania</th>
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<td>Cristina Marcela Popa (BUCURESTI, Romania), Gilda Popescu, Cristina Popa, Victor Spinu, Popa Cristian</td>
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<th>PA2681</th>
<th>Cost-effectiveness of adding novel or group 5 interventions to a background regimen for the treatment of multidrug-resistant tuberculosis in Germany</th>
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<td>Daniel Wirth (Neuss, Germany), Daniel Wirth, Ramesh Dass, Robert Hettle</td>
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<th>PA2682</th>
<th>Active drug-safety monitoring and management for tuberculosis patients treated with bedaquiline and linezolid, Belarus - 2014-2016</th>
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<td>Alena Skrahina (Minsk region, Belarus), Alena Skrahina, Hennadz Hurevich, Dzmitry Viatushka, Varvara Solodovnikova, Dennis Falzon, Liudmila Zhylevich, Valiantsin Rusovich, Masoud Dara, Andrei Dadu, Pierpaolo de Colombani, George Sakvareldsie, Svetlana Setkina</td>
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<th>PA2683</th>
<th>Treatment by linezolid of lung TB caused by drug resistant mycobacterium (M BT)</th>
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<td>Mariya Pavlova (ST PETERSBURG, Russian Federation), Mariya Pavlova, Anna Starshinova, Irina Cherkokhaeva, Ekaterina Belyaeva, Nadezhda Sapozhnikova</td>
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<th>PA2684</th>
<th>Changes in MIRU-VNTR profiles are associated with treatment failures in tuberculosis patients</th>
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<td>Irina Kontsevaya (London, United Kingdom), Irina Kontsevaya, Vladivslav Nikolayevsky, Alexander Kovalyov, Olga Ignatyeva, Edita Vasilauskien, Girts Skenders, Yanina Balabanova, Francis Drobniewski</td>
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<th>PA2685</th>
<th>Time to sputum culture conversion as a prognostic marker for end-of-treatment outcome in the first cohorts of MDR-TB patients managed in a Nigerian tertiary hospital</th>
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<td>Oluomo Ige (Ibadan, Oyo, Nigeria), Oluomo Ige, Regina Oladokun</td>
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<th>PA2686</th>
<th>Pattern of second line drug-resistance in MDR-TB treatment failure at tuberculosis treatment centre in western region of India</th>
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<td>Mani Tiwari (Allahabad, India), Mani Tiwari, Mahendra Patel</td>
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PA2687 Outcomes of directly observed treatment for drug resistant tuberculosis
Manu Chopra (Ranchi, India), Manu Chopra, C.D.S. Katoch, G.D.S. Madan, Barun Chakrabarty

PA2688 Treatment outcomes among multidrug-resistant tuberculosis (MDR-TB) cases at a referral hospital of infectious diseases in India
Gina Gualano (Roma, Italy), Gina Gualano, Rocco Urso, Rosati Silvia, Tommarini Roberto, Biagioli Daniele, Matteucci Giuseppe, Ghirga Piero, Murachelli Silvia, Di Caro Antonino, Biava Gianluigi, Goletti Delia, Girardi Enrico, Ippolito Giuseppe, Lauria Francesco Nicola, Palmieri Fabrizio

PA2689 Effect of treatment of drug resistant tuberculosis on thyroid stimulating hormone
Nilkanth Tukaram Awad (Mumbai (MAHARASHTRA), India), Nilkanth Tukaram Awad, Kunal Deokar, Jairaj Nair, Ganesh Dhangar, Mayur Devraj

PA2690 A study of prevalence of depression in patients with multi drug resistant tuberculosis
Ujaas Dawar (Ludhiana, India), Ujaas Dawar, Aditi Garg, Rajat Oswal, K.R. Patel

PA2691 Assessment of anti-tuberculosis activity of extracts of cinnamomum verum and solanum surattense along with isoniazid
Shashikant Vaidya (Mumbai, India), Shashikant Vaidya, Jaishankar Sharma, Jinesh Maniar, Nikita Prabhu, Mubina Mamawala, Suvarna Joshi-Pundit, Abhay Chowdhary

T-30 Session 403 12:50 - 14:40
Thematic Poster: Tuberculosis: immune responses of CD8+ T cells, value of interferon-gamma and other cytokines, Th2 responses, BCG, and biomarkers
Chairs: Morten Ruhwald (Copenhagen, Denmark), Massimo Amicosante (Rome, Italy), Jackie Cliff (London, United Kingdom), Delia Goletti (Rome, Italy)

PA2692 Differential diagnostic efficiency of T cells subsets versus interferon-gamma, tumor necrosis factor alpha and adenosine deaminase in distinguishing tuberculosis from malignant pleural effusions
Abdellah Ali (Sohag, Egypt), Abdellah Ali, Tamer Mohammed, Hydi Ahmed

PA2693 CD8-response associates with active tuberculosis and TB2-tube response in the QuantiFERON-TB-Plus kit
Elisa Petruccioli (Rome, Italy), Elisa Petruccioli, Teresa Chiachio, Ilaria Pepponi, Valentina Vanini, Gina Gualano, Gilda Cuzzi, Daniela Cirillo, Fabrizio Palmieri, Delia Goletti

PA2694 Tuberculosis-specific CD8 cells in HLA A*02-positive TB and LTBI patients
Andreas Fløe (Aarhus, Denmark), Andreas Fløe, Liselotte Brix, Christian Wejse, Ole Hilberg

PA2695 Immunophenotypic characterisation of peripheral blood mononuclear cells in patients with MDR pulmonary tuberculosis
Hamdy Ali Mahmoud (Naser City, Egypt), Hamdy Ali Mahmoud, Abeer M. Seinef, Ahmed Hassan Abdelaziz

PA2696 Exploring the mechanisms of granuloma formation in vivo to prevent dissemination of a respiratory mycobacterium tuberculosis infection: A live imaging approach
Joana Da Silva Domingues (Toulouse, France), Joana Da Silva Domingues, Laure Ducasse, Antonio Peixoto

PA2697 Intracellular ESAT-6 vs flow cytometric analysis of CD4+IFN- + cells for the diagnosis of mycobacterium tuberculosis infection in immunosuppressed patients
Andreas Anastasopoulos (Athens, Greece), Chrysovalantis V. Papageorgiou, Angelos D. Gritzapis, Maria Ploussi, Michail Leventopoulos, Andreas Anastasopoulos, Simona Karabela, Kyriakos Fotiadis, Evangelos Vogiatzakis, Vassilis Tsilivakos, Nikolaos Poulakis

PA2698 Risk of tuberculosis in dialysis population: Revising the predictive value of interferon-gamma releasing assay
Chin-Chung Shu (Taipei, Taiwan), Chin-Chung Shu

PA2699 Diagnosis of latent tuberculosis infection in children with the use of different immunological methods
Natalya Korneva (Saint Petersburg, Russian Federation), Natalya Korneva, Anna Starshinova, Yuliya Ovchinnikova, Irina Dovgaliuk, Olga Yakunova, Natalya Ilyina

PA2700 Clinical evaluation of several biomarkers including IFN- for the diagnosis of tuberculosis infection
Yoshihiro Kobashi (Kurashiki Okayama, Japan), Yoshihiro Kobashi, Keiji Mouri, Shigeaki Kato, Mikio Oka

PA2701 Latent tuberculosis screening and entering antibody therapy monoclonares against tumor necrosis factor
Evangelina Soledad Membrani (CAPITAL FEDERAL, Argentina), Evangelina Membriani, Erika Cuenca, Leticia Limongi, Ana Putruele, Carlos Luna
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<td>PA2702</td>
<td>Study of inflammatory markers in sputum positive patients of pulmonary tuberculosis and its response to anti-tubercular treatment</td>
<td>Mohd Yousoof Dar (New Delhi, India), Mohd Yousoof Dar, Balakrishnan Menon, Harsh Vardhan, Sarfaraz Jamal, Mohammad Noufal</td>
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<td>PA2703</td>
<td>Cytokine regulation in multidrug-resistant tuberculosis</td>
<td>Aleksey Denysov (Kiev, Ukraine), Aleksey Denysov, Lilia Todoriko, Inga Ieremenchuk, Igor Semianiv</td>
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<td>PA2704</td>
<td>Eosinophilia and predominant Th2 immune responses are rarely evident in disseminated tuberculosis</td>
<td>Paul Pfeffer (London, United Kingdom), Paul Pfeffer, Matthew Burman, Valerie Milton, Vishnu Naidu, Devan Vaghela, Heinke Kunst</td>
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<td>PA2705</td>
<td>Influence of modern basic therapy of bronchial asthma (BA) on the course of pulmonary TB in patients with pulmonary TB associated with asthma</td>
<td>Galina Kuklina (Moscow, Russian Federation), Galina Kuklina, Evgeny Smeelev</td>
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<td>PA2706</td>
<td>TB infection decreases asthma prevalence and severity of symptoms</td>
<td>Isam Abdalla (Wad Medani, Sudan), Amir Bashir, Isam Eddin Abdallah, Omer Musa</td>
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<td>PA2707</td>
<td>Effect of the Bacillus Calmette Guerin vaccination on clinical symptoms of pulmonary tuberculosis</td>
<td>Khalil Ansarin (Tabriz, Islamic Republic of Iran), Khalil Ansarin, Leyla Sahebi, Safr Farajnia</td>
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<td>PA2708</td>
<td>Evolution of TB in BCG unimmunized children</td>
<td>Vladimir Iacomi (Chisinau, Republic of Moldova), Vladimir Iacomi, Stela Kulcizia, Ninel Revenco, Constantin Iavorschi, Valentina Vite, Daniela Bursacovschi</td>
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<td>PA2709</td>
<td>Monitoring of adverse events of BCG vaccination in Moscow, Russia</td>
<td>Tatiana Sevostyanova (Moscow, Russian Federation), Tatiana Sevostyanova, Valentina Aksenova, Evgeny Belilovsky</td>
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<td>PA2710</td>
<td>Biomarkers of systemic inflammatory response in patients with tuberculosis, combined with HIV infection</td>
<td>Rizvan Abdullaeov (Moscow, Russian Federation), Rizvan Abdullaeov, Oksana Komissarova, Lev Gerasimov</td>
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<td>PA2711</td>
<td>Markers of cellular immunity in the diagnosis of tuberculosis pleurisy</td>
<td>Viacheslav Zhuravlev (St. Petersburg, Russian Federation), Viacheslav Zhuravlev, Marina Dyakova, Dilyara Esmedyaeva, Tatiana Perova</td>
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**Debate T-31 Session 404 12:50 - 14:40**

**Thematic Poster: Treatment management options and costs:** vitamin D, Matrix metalloproteinases (MMPs), nutrition, and human genetics

**Chairs:** Adrian R Martinou (London, United Kingdom), Raquel Almeida Ferreira Duarte Bessa Melo (Porto, Portugal), Folke Brinkmann (Hannover, Germany), Stefano Aliberti (Milano, MI, Italy)

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<tr>
<td>PA2712</td>
<td>Digital health technology for the end TB strategy: Developing priority products and making them work</td>
<td>Dennis Falzon (Genève, Switzerland), Dennis Falzon, Giovannibattista Migliori, Ernesto Jaramillo, Mario Raviglione</td>
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<td>PA2713</td>
<td>Side effects of tuberculosis treatment with fixed-dose combinations</td>
<td>Insaf Mejri (Tunis, Tunisia), Insaf Mejri, Manel Loukil, Ikbel Khalfallah, Hedia Ghrairi</td>
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<td>PA2714</td>
<td>Safety and acceptability of a 4-drug fixed-dose combination regimen compared with separate drugs for treatment of pulmonary tuberculosis</td>
<td>Aissa Sana (Kairouan, Tunisia), Aissa Sana, Mabrouk Sonia, Abdelghani Ahmed, Benzarti Wafa, Sfexi Raoudah, Gargouri Imen, Ben Salem Halima, Garroute Abdelhamid, Hayouni Abdelaziz, Benzarti Mohamed</td>
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<td>PA2715</td>
<td>Efficacy of moxifloxacin instead of ethambutol in the intensive phase of therapy in newly diagnosed pulmonary TB</td>
<td>Mykhailo Kuzhko (Kyiv, Ukraine), Mykhailo Kuzhko, Ljubomyr Procyk, Leonid Grechanyk, Mykola Gumenjuk, Nataliia Hulchuk, Oksana Avramchuk</td>
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<td>PA2716</td>
<td>Protective effect of N-acetylcysteine on antituberculosis drug-induced hepatotoxicity</td>
<td>Shih-Lung Cheng (Taipei, Taiwan), Shih-Lung Cheng</td>
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<td>PA2717</td>
<td>Tuberculosis costs in Spain and related factors</td>
<td>Jose Maria Garcia Garcia (Candas, Asturias, Spain), Jose Antonio Gullon-Blanco, Juan Rodriguez-Lopez, Manuel-Angel Villanueva Montes, Fernando Alvarez Navascues, Jose Maria Garcia Garcia, Teresa Rodrigo, Marti Casals, Joan Cayla, Grupo de Trabajo PIIB-TESEPAR</td>
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<td>PA2718</td>
<td>The costs of MDR/XDR tuberculosis in Barcelona (Spain): cases treated with DOTs/DOT plus in a specialized centre</td>
<td>Maria Altet Gomez (Premia de Dalt, Spain), Maria Altet Gomez, Joan Pau Millet, Jose Maldonado, Israel Molina-Pinargote, Yoel Gonzalez-Diaz, Juana Soteras, Xavier Domínguez</td>
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<td>PA2719</td>
<td>Latent TB infection: Patient choices and completion of treatment</td>
<td>Hilary Tedd (Newcastle, United Kingdom), Hilary Tedd, James Macfarlane, Chris Stenton</td>
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<td>PA2720</td>
<td>The cases of active tuberculosis among persons with latent tuberculosis infection residing in the disease hot spots</td>
<td>Marina Safaryan (Yerevan, Armenia), Marina Safaryan, Davit Khalatyan, Lilit Gevorgyan</td>
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<td>PA2721</td>
<td>Vitamin D binding protein (DBP) levels during tuberculosis treatment are affected by DBP genotype / haplotype but not by total vitamin D levels</td>
<td>Gemma Hawthorne (Meriden, United Kingdom), Gemma Hawthorne, Martin Dedicoat, David Thickett, Alice Turner</td>
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<td>PA2722</td>
<td>Vitamin D supplementation in health and latent tuberculosis significantly influences T lymphocyte cytokine response</td>
<td>Gemma Hawthorne (Meriden, United Kingdom), Gemma Hawthorne, JinJin Zhang, Heinke Kunst, David Thickett, Alice Turner</td>
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<td>PA2723</td>
<td>Correlation between matrix metalloproteinase-9 serum levels and disease severity in pulmonary tuberculosis patients</td>
<td>eliana muis (Makassar, Indonesia), Eliana Muis, Erwin Arief, Irawaty Djaharuddin</td>
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<td>PA2724</td>
<td>Matrix metalloproteinases (MMPs) and acute phase proteins (APP) in predicting the efficacy of intensive phase treatment (IPP) in patients with pulmonary tuberculosis (PT)</td>
<td>Larisa Kryukhina (Saint Petersburg, Russian Federation), Diljara Esmedlyaeva, Nina Alexeeva, Larisa Kryukhina, Maria Pavlova, Viacheslav Zhuravlev, Marina Dyakova</td>
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<td>PA2725</td>
<td>Bioinformatics approach identified of novel genes of tuberculosis susceptibility</td>
<td>Elena Bragina (Tomsk, Russian Federation), Elena Bragina, Alexey Rudko, Evgenyi Tiys, Nadezhda Babushkina, Vladimir Ivansenko, Maxim Freidin</td>
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<td>PA2726</td>
<td>Evaluation of pulmonary TB treatment efficiency depending on polymorphism of glutathione-S-transferase xenobiotic biotransformation enzyme and on sensitivity profile</td>
<td>Tetiana Sprytsian (Kiev, Ukraine), Tetiana Sprytsian, Lilia Todoriko, Igor Semianiv</td>
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<td>PA2727</td>
<td>Effect of anti-tuberculosis treatment on body composition during the intensive phase</td>
<td>Meriem Mjid (Bab Saadoun/Tunis, Tunisia), Meriem Mjid, Sonia Toujani, Ameni Ben Mansour, Abir Hedhl, Houda Snen, Yacine Ouahchi, Nozha Ben Salah, Abdelmajid Ben Hmid, Bechir Louzir, Nadia Mhiri, Jouda Cherif, Majed Beji</td>
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<td>Malnutrition in tuberculosis: Value of fat-free mass and creatinine-height index assessment</td>
<td>Aliae Mohamed-Hussein (ASSIUT, Egypt), Aliae A.R. Mohamed-Hussein, Susan Salama, Medhat Khalil, Safaa Eid</td>
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<td>PA2729</td>
<td>Cigarette smoke has a negative impact on M. tuberculosis immune response</td>
<td>Maria Altet Gomez (Premia de Dalh, Spain), Maria Altet Gomez, Jose Dominguez, Joan Pau Millet, Jose Maldonado, Maria Louiza de Sosa-Galvao, Angeles Jimenez, Celia Mila, Cristina Prat, Israel Molina-Pargote, Yoel Gonzalez-Diaz, Irene Latorre</td>
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<td>PA2730</td>
<td>The associations between a smoking and IL-10 gene polymorphism in patients with MDRTB</td>
<td>Dmytro Butov (Kharkiv, Ukraine), Dmytro Butov, Mykhailo Kuzhko, Tetyana Butova</td>
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<td>PA2731</td>
<td>Does every necrotizing granulomatous inflammation at NSCLC resection materials require treatment?</td>
<td>Fatih Yakar (?STANBUL, Turkey), Fatih Yakar, Aysun Yakar, Nur Büyükipinarbasili, Mustafa Ereel</td>
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T-32 Session 405 12:50 - 14:40

Thematic Poster: Epidemiological insights into tuberculosis pathogenesis

**Chairs:** Dominik Zenner (London, United Kingdom), Jessica Potter (London, United Kingdom), Ivan Solovic (Vysne Hagy, Slovakia), Chair to be confirmed

- **Extrapulmonary tuberculosis in Sohag Governorate: Study of 1611 cases**
  - Hamdy Ali Mahmoud (Naser City, Egypt), Hamdy Ali Mahmoud, Azza Mahmoud Ahmad, Ayman Mohmoud Abdel-Ghaffar

- **Trend of structure of TB death indicator in the Moscow city, Russia**
  - Evgeniy Belilovskyi (Moscow, Russian Federation), Elena Bogorodskaya, Pyotr Seltsovsky, Sergey Borisov, Olga Chizhova, Evgeniy Belilovskyi, Ludmila Rybka

- **Characteristics of tuberculosis (TB) in patients that died from TB in Poland**
  - Maria Korzeniewska-Kose (Warsaw, Poland), Maria Korzeniewska-Kosela

- **Tuberculosis, airway obstruction, and mortality in Finland**
  - Tiina Mattila (Helsinki, Finland), Tiina Mattila, Markku Heliövaara, Harri Rissanen, Paul Knekt, Pauli Puukka, Tuula Vasankari
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<td>Mitali Bharat Agrawal (MUMBAI (MAHARASHTRA), India), Mitali Agrawal, Nilkanth Tukaram, Jayraj Nair</td>
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<td>Evgeny Belilovskyi (Moscow, Russian Federation), Elena Bogorodskaya, Sergey Borisov, Evgeny Belilovskyi, Ludmila Rybka, Michael Sinitsyn</td>
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<td>Vladimir Iacomni (Chisinau, Republic of Moldova), Vladimir Iacomni, Stela Kulcitaia, Constantin Iavorschi, Valentina Vîlce, Daniela Bursacovschi</td>
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<td>Valentin Polyakov (Kharkiv, Ukraine), Valentin Polyakov, Iryna Sirenko, Lidiia Sukhanova, Olga Marchenko, Kateryna Levchenko, Oleksandr Onikiienko</td>
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<th>Mantoux test and BCG vaccination in elementary schools in Lakonia, Greece 2005-2015</th>
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<td>Lamprini Tina (Sparta, Greece), Lamprini Tina, Militsa Lamprakou, Panagiotis Andriopoulos</td>
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<td>Amita Nene (Mumbai, India), Amita Nene, Namrata Kewalramani, Vikas Agarwal</td>
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<td>Liudmila Pankratova (Saratov, Russian Federation), Liudmila Pankratova, Natalia Kazimirova, Inna Volchkova, Nikita Navolokin</td>
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<td>Jung Seop Eom (Busan, Republic of Korea), Jung Seop Eom, Geewon Lee, Jeong Ha Mok, Min Ki Lee</td>
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**Thematic Poster: Non-tuberculous mycobacteria: HIV-TB co-infection and adenosine deaminase (ADA)**

**Chairs:** Claire Andrejak (Amiens, France), Frauke Rudolf (Valby, Denmark), Onn Min Kon (London, United Kingdom), Keertan Dheda (Cape Town, South Africa)

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<td>Fabio Sultani (Sassari, Italy), Fabio Sultani, K. Barnes, A. Jepson, Graham Bothamley</td>
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<td>Yoshihiro Kobashi (Kurashiki Okayama, Japan), Yoshihiro Kobashi, Keiji Mouri, Shigeki Kato, Mikio Oka</td>
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Antimicrobial susceptibilities of mycobacterium avium pulmonary disease from patients in St. Petersburg, Russia
Viacheslav Zhuravlev (St. Petersburg, Russian Federation), Viacheslav Zhuravlev, Nataliya Solovieva, Alexandra Inozemceva, Pavel Gavrilov, Anna Starshinova, Piotr Yablonskii

Characterization of mycobacterium abscessus subtypes in Shanghai: The drug sensitivity, bacterial epidemiicity and clinical manifestations
Haiqing Chu (Shanghai, China), Haiqing Chu, Bing Li, Dongdong Huang, Zhemin Zhang, Jingbo Zhang, Tao Gui, Liyun Xu, Lan Zhao

Two case reports: The successful management of pulmonary mycobacterium bohemicum
Wa’el Osman (Stoke-on-Trent, United Kingdom), Wa’el Osman, Paul Rafferty

Non tuberculous mycobacterial abscessus of the parotid gland
Arpan C. Shah (BARODA (GUJARAT), India), Arpan C. Shah, Umang Shah, Chandrakant Shah

Decrease of TB burden and increase of workload due to adult pulmonary NTM disease in Milan Metropolitan Area (2000-2015)
Luigi Ruffo Codecasa (Milano, MI, Italy), Luigi Ruffo Codecasa, Maurizio Ferrarese, Paola Francesca Castellotti, Alice Claudia Repossi, Ester Mazzola

Experience of managing TB/HIV infection in a regional UK center over a 5 year period
Muge Cevik (Edinburgh, United Kingdom), Muge Cevik, Hugh McGann

Extrapulmonary tuberculosis in HIV infected patients admitted to the hospital
Ana Patrícia Gomes da Rocha Dias (Lisbon, Portugal), Ana Patrícia Gomes da Rocha Dias, Bruno von Amann, João Costeira, Carlos Gomes, Cristina Bárbara

Primary drug resistance of mycobacterium tuberculosis in HIV-positive patients
Nkolaj Burinsky (Gomel, Belarus), Vasily Bondarenko, Irina Buynevich, Andrey Holyavkin, Svetlana Goponyako, Nkolaj Burinsky

Miliary tuberculosis: A 10 years’ experience of an infectious pulmonology unit in Portugal
Bruno Miguel Paixão von Amann (Lisboa, Portugal), Bruno Miguel Paixão von Amann, Ana Dias, João Costeira, Carlos Gomes, Cristina Bárbara

A retrospective analysis of outcome of Isoniazide preventive therapy in adults living with HIV in Penang, Malaysia
Lalitha Pereirasamy (Pulau Pinang, Malaysia), Lalitha Pereirasamy, Chee Loon Lim, Peng Shyan Wong, Ting Soo Chow, Kar Nim Leong, Peng Peng Ang

Primary drug resistance in HIV/tuberculosis patients in two large cities of Siberia
Arkadiy Khanin (Novokuznetsk, Kemerovo Oblast, Russian Federation), Arkadiy Khanin, Irina Viktorova, Olga Kononchuk

Characteristics of HIV-positive and HIV-negative new tuberculosis cases in Moscow, Russia
Evgeny Belilovskiy (Moscow, Russian Federation), Michael Sinitsin, Evgeny Belilovskiy, Sergey Borisov, Evgenia Kotova, Ludmila Rybka

To assess diagnostic utility of pleural fluid adenosine deaminase (ADA), interferon-1 (IFN) and lymphocyte/neutrophil (L/N) ratio in differentiating tubercular and non-tubercular exudative pleural effusion
Girish Sindhwani (Dehradun (Uttarakhand), India), Varuna Jethani, Girish Sindhwani, Vinit Mehrotra, Aarti Kotwal, Rakhee Khanduri

Diagnostic value of pleural fluid adenosine deaminase level in patient with tuberculosis pleurisy
Nino Mchedlishvili (TBILISI, Georgia), Nino Mchedlishvili, Tinatin Mamaladze, Natalia Shubladze, Natia Gujabidze, Rusudan Marashanishvili

Diagnostic accuracy of pleural fluid adenosine deaminase in patients with tuberculosis pleural effusion while keeping pleural biopsy as a gold standard
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A comparative study of tubercular pleural effusion and parapneumonic pleural effusion in non-HIV patients from a tuberculosis endemic area of Asia
Khalid Changal (srinagar, India), Khalid Changal, Ab. Hameed Raina, Sheikh Shoaib Altaf, Rehana Bashir, Manzoor Raina, Adnan Raina

Thematic Poster: Microbiology: bronchoalveolar lavage (BAL) and PCR
Chairs: Simon Tiberi (London, United Kingdom), Daniela Maria Cirillo (Milano, MI, Italy), Jan Heyckendorf (Hamburg, Germany), Graham H. Bothamley (London, United Kingdom)
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**T-35**  
**Session 408**  
**12:50 - 14:40**  

**Thematic Poster: Epidemiology and specific subgroups in lung cancer**  
**Chairs:** Erik Jakobsen (Odense C, Denmark), Paul Knaut (Francfort, Germany), Philippe Astoul (Marseille, France), Joanna Chorostowska-Wynimko (Warszawa, Poland)

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<td>Lida Gharibvand (Corona Del Mar, United States of America), Lida Gharibvand, Mark Hamsary, W. Lawrence Beeson, Raymond Knutsen, Samuel Soret, Synnove Knutsen</td>
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The combination of lung cancer and bauxite pneumoconiosis on resection of lung
Lev Grinberg (Yekaterinburg, Russian Federation), Lev Grinberg

Association of environmental heavy metals exposure and lung cancer incidence and prognosis
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Occurrence of multiple primary malignancies
Anna Romaszko (Olsztyn, Poland), Anna Romaszko, Emilia Swietlik, Monika Kolis, Anna Doboszynska

Thematic Poster: Clinical aspects of lung cancer
Chairs: David Baldwin (Nottingham, United Kingdom), Paul Martin Putora (St. Gallen, Switzerland), Inmaculada Alfrageme Michavila (Seville, Spain), Dragos Bumbacea (BUCURESTI, Romania)

Endobronchial ultrasound guided transbronchial needle aspiration (EBUS-TBNA) reduces time for diagnosis of lung cancer if used as the initial diagnostic test of choice
Muhammad Tufail (Basildon, United Kingdom), Nishant Sinha, Muhammad Tufail, Odiri Eneje, Syed Abbas, Bernard Yung, Kanwar Pannu, Dipak Mukherjee

Diagnostic yield of ultrasound guided transthoracic fine needle aspiration cytology (ttfnc) in diagnosis of intrathoracic lesions
Venugopal Kunjupillai (Allepey, India), Venugopal Kunjupillai, P.R. Sreelatha, Suresh Raghavan Raghavan, P. Naveen

The proportion of EGFR+ NSCLC patients never treated with TKI - A single institution Croatian experience
Sanja Pleština (Zagreb, Croatia), Sanja Pleština, Ana Kosi Kunac, Silvana Smojver-Jezek, Marko Jakopovic, Miroslav Samarzija

Pneumothoraces in CT guided lung biopsies - Are we too cautious?
Andrew Low (Long Ashton, United Kingdom), Andrew Low, Helen O’Brien, Vidan Masani

Physiological predictors of mortality in high-risk patients undergoing surgery for lung cancer
Hou Law (Manchester, United Kingdom), Hou Law, Phil Foden, Rajesh Shah, Tim Edwards, Phil Crosbie, Richard Booton, Matt Evison, Haider Al-Najjar

Normal lymph node size at Endobronchial ultrasound guided Transbronchial needle aspiration correlates to benign cytopathological diagnosis but does not rule out malignancy
Uffe Bødtger (Holmegaard, Denmark), Ida Skovgaard Christiansen, Uffe Bødtger

Preoperative FDG uptake on PET/CT predicts disease recurrence and survival in early stage non-small cell lung cancer (NSCLC)
Emma Dennyen (Harrow, United Kingdom), Emma Dennyen, Sarah Clarke, Nick Panagiotopoulos, Muhammed Anwar, David Lawrence, Ugo Ekeowa

Evaluation of spirometry test as monitoring tool in lung cancer patients
Deepak Aggarwal (CHANDIGARH (U.T.), India), Deepak Aggarwal, Varinder Saini, Ashok Janmeja

Three-year spirometric evolution after lobectomy in lung cancer patients with or without COPD previous surgery
WALTHER IVAN GIRON MATUTE (Madrid, Spain), Walther Ivan Giron Matute, Daniel López-Padilla, Roberto Larrosa-Barrero, Nuria Arenas Valls, Ricardo García-Luján

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Luis Alejandro Padron Fraysse (Sevilla, Spain), Luis Alejandro Padron Fraysse, Beatriz Romero Romero, Lourdes Gómez Izquierdo, Maria Fondillón Alberdi, Jose Martin Juan

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Sarah Woolcock (Newcastle, United Kingdom), Sarah Woolcock, Rachael Quinn, Susan Pollock, Naomi Chamberlin, Joseph Kersbergen, Stephen Murphy, Kishore Sridharan, Sasha Stamenkovic, Taylor Ian

Prognostic factors to survival in patients with lung cancer and superior vena cava syndrome: A retrospective analysis
Lígia Fernandes (Lisboa, Portugal), Lígia Sofia Costa Santos Fernandes, Vera Clérgio, Pedro Barradas, Cristina Bábara

Lung cancer: Independent death predictor in cancer patients admitted after emergency visit
Julie Gorham (BRUXELLES, Belgium), Julie Gorham, Anne-Pascale Meert, Lieveke Ameye, Marianne Paesmans, Thierry Berghmans, Jean-Paul Scullier

The efficacy and safety of CT-guided percutaneous hookwire localization in VATS for pulmonary nodules
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Procalcitonin serum levels in patients with stage IV non-small cell lung cancer in first line of chemotherapy
Claire Andrejak (Amiens, France), Camille Garoutte, Claire Poulet, Jean Baptiste Obstler, Anne-Marie Bourgeois, Warda Khamis, Maxime Dewolf, Sara Faouzi, Antoine Galmiche, Vincent Jounieaux, Claire Andrejak

Pulmonary function during lung cancer therapy: A retrospective analysis of patients treated with monotherapy or multimodal treatments
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Lung cancer tissue diagnosis in poor lung function: Addressing the ongoing percutaneous lung biopsy FEV₁ paradox using Heimlich valve
Rezaa Abdulla (London, United Kingdom), Rezaa Abdulla, Aniket Tavare, Andrew Creamer, Dean Creer, Rama Vancheeswaran, Samanji Hate

Non-small cell lung cancer (NSCLC) pathological sub-typing in convex and radial endobronchial ultrasound (EBUS) specimens compared to surgical resection
Timothy Edwards (Brisbane, Australia), Timothy Edwards, Paul Bishop, Phil Crossbie, Richard Booton, Matthew Evison, Haider Al-Najjar

Endoscopic ultrasound guided liver biopsy in the hands of a chest physician
Markus Fally (Copenhagen, Denmark), Markus Fally, Rafi Nessar, Nille Behrendt, Paul Clementsen

How safe and justified is invasive diagnostic of lung tumours in elderly patients?
Katja Adamic (Golnik, Slovenia), Katja Adamic, Ales Rozman, Maja Ferjan, Mateja Marc Malovrh

Thematic Poster: Basic science and case reports in lung cancer

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Pulmonary hamartomas in Navarra
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Multiple endobronchial involvement of Mantle cell lymphoma diagnosed by cryobiopsy
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Pulmonary sarcomatoid carcinoma - The experience of a lung cancer unit
Daniela Cunha Machado (Rio Tinto, Portugal), Daniela Patriciuda Cunha Machado, Sérgio Campainha, Sara Conde, Agostinho Sanches, Ana Barroso

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Lung adenocarcinoma with concomitant EGF mutation and ALK rearrangement: Analysis of two cases and literature review
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Research occurrence of N-acetyl-L-asparty-L-glutamate peptidase-like 2 antigens in the circulating immune complexes, isolated from serum of patients with lung cancer
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Use of a semi-automatic human-supervised procedure for quantitative histology: Modulation of tumour cell dissemination in lung parenchyma
Natacha Rocks (LIEGE, Belgium), Natacha Rocks, Catherine Gerard, Christelle Sepult, Markus Moser, Reinhard Fässler, Raphael Maree, Amiq Gazdhar

Molecular mechanisms of inhibition of lung cancer stem cells invasion by a novel soy isoflavone VF166
Yehuda Schwarz (TEL-AVIV, Israel), Yehuda Schwarz, Ekaterina Bondar, Amir Bar Shai, Fortuna Kohen, Alexander Starr

Shikonin-induced necroptosis is enhanced by the inhibition of autophagy in non-small cell lung cancer cells
Ki Eun Hwang (Iksan, Republic of Korea), Ki Eun Hwang, Eun Taik Jeong, Hak Ryul Kim

Electrospray-mediated local chemotherapy of lung carcinoma in mice
Amiq Gazdhar (Bern, Switzerland), Paulius Ruzgys, Stephan Bohringer, Saulius Satkauskas, David Hradetzky, Thomas Geiser, Amiq Gazdhar

Combinatorial delivery of targeted mesoporous silica nanoparticles for lung cancer therapy
Deniz Ali Bölükbas (Munich, Germany), Deniz Ali Bölükbas, Stefan Datz, Charlotte Meyer-Schwickerath, Malamati Vreka, Sabine van Rijt, Oliver Eickelberg, Georgios Stathopoulos, Thomas Bein, Silke Meiners

ADAM9 enhances CDCP1 protein expression by suppressing miR-218 for lung tumour metastasis
Kuo-Liang Chiu (Taiichung, Taiwan), Kuo-Liang Chiu, Ting-Ting Kuo, Qian-Yu Kuo, Liang-Chuan Lai, Yuh-Pyng Sher

LATE-BREAKING ABSTRACT: The role of eosinophils in Kras-G12D induced lung tumor initiation and progression
Fei Li (Hangzhou, China), Fei Li, Chao Zhang, Xufei Du, Man Luo, Chen Zhu, Songmin Ying, Zhihua Chen, Wen Li, Huahao Shen

Thematic Poster: Prognostic variables in lung cancer I

Prognostic significance of nestin expression in patients with resected non-small cell lung cancer treated with platinum-based adjuvant chemotherapy
SHINICHIRO RYUGE (KANAGAWA, Japan), Shinichiro Ryuge, Yuichi Sato, Ken Katono, Ryo Nagashio, Masanori Yokoba, Masato Katagiri, Kazu Shiomi, Yukitoshi Satoh, Noriyuki Masuda

Expression and clinical implications of the estrogen receptor in lung adenocarcinoma
Nensi Lalic (Sremska Kamenica, Republic of Serbia), Nensi Lalic, Branislav Perin, Zdravko Kosjerina, Milana Panjkovic

Locally advanced stage nonsmallcell cancers explode in hyperglisemia: A new prognostic factors?
Berna Kömürcüoğlu (Izmir, Turkey), Berna Kömürcüoğlu, Esra Korkmaz, Cenk Kirakli, Bilge Salik

Prevalence of mutations in Romanian patients with non-squamous lung carcinoma evaluated through next generation sequencing
Tudor Andrei Cernomaz (Iasi, Romania), Tudor Andrei Cernomaz, Ina Iuliana Macovei, Ionut Pavel, Carmen Grigoriu, Mihai Marinca, Simona Peter, Radu Zonda, Madalina Lavinia Berlea, Florin Rusu-Cordunean, Bogdan-Dragos Grigoriu

Potential lung cancer biomarkers from bronchoalveolar lavage fluid using metabolomics approaches
VICTORIA IGNACIO BARRIOS (Ronda, Spain), Victoria Ignacio Barrios, Belén Callejón Leblic, Tamara García Barrera, Jesús Grávalos Guzmán, Pilar Muñoz Zara

The effect of surgical specimen-derived phosphorus and lead concentrations in non-small cell lung cancer patients on disease course
Elif Yilmazel Uçar (Erzurum, Turkey), Ömer Araz, Aslı Araz, Elif Yilmazel Uçar, Elif Demirci, Metin Akgün, Leyla Saglam

Plasma levels of soluble urokinase plasminogen activator receptor (suPAR) as a possible biomarker for lung cancer and/or COPD
Angeliki Loukeri (Nikea, Greece), Angeliki Loukeri, Panagiotis-Dimitrios Spithakis, Charalampos Moschos, Pinelopi Loukeri, Anastasia Bartzeliotou, Aikaterini Tzagkaraki, Eustratios Stratos, Dimitrios Veldekis, Christos F. Kampolis
PA2852 Correlation of bim and noxa expression with clinicopathological features in NSCLC
Eleftheria Chaini (Corfu, Greece), Eleftheria Chaini, Anna Maria Athanasiadou, Angelos Tsipis, Kyriakos Hainis, Maria Gonidi, Pauline Athanasiadou

PA2853 Prevalence of molecular changes in resected pulmonary adenocarcinomas
Roberto Chalela (BARCELONA, Spain), Roberto Chalela, Beatriz Bellosillo, Víctor Curull, Lara Pijuan, Joaquín Gajo

PA2854 Expression analysis of miR-21 in Bulgarian patients with non-small cell lung cancer
Dora Marinova (Sofia, Bulgaria), Dora Marinova, Darina Kachakova, Atanaska Mitkova, Gergana Stancheva, Yanina Slavova, Denitsa Dimitrova, Evgeni Mekov, Aleksandar Lillow, Miroslav Mihailov, Dimitar Kostadinov, Radka Kaneva, Vanio Mitiev

PA2855 The role of HIF-1 pathway in non-small-cell lung cancer
Erkan Kurtipek (KONYA, Turkey), Erkan Kurtipek, Nadir Koçak, Hidir Esme, Nuri Düzgün, Suleyman Emre Akin, Yasar Ünlü, Taha Tahir Bekiş

PA2856 Association of the endothelin-1 and endothelin A receptor genetic polymorphisms and non-small cell lung cancer in Taiwan
Chuen-Ming Shih (Taichung, Taiwan), Yao-Ling Lee, Chuen-Ming Shih

PA2857 Prognostic value of survivin gene promoter polymorphisms in non-small cell lung cancer
Mesut Bayraktaroglu (ISTANBUL, Turkey), Engin Aynaci, Funda Seçik, Ender Coskunpinar, Mesut Bayraktaroglu, Didem Gökçen, Pınar Yıldız

PA2858 NKX2-1 impacts prognosis in early stage NSCLC not harboring TP53 mutations
Jorge Moisés Lafuente (BARCELONA, Spain), Jorge Moisés Lafuente, Sandra Santasusagna, Alfons Navarro, Nuria Viñolas, Josep Ramirez, Laureano Molins, Carlos Agustí, Jeisson Osorio, Adela Saco, Marc Ruiz, Joan Castellano, Anna Cordeiro, Carmen Muñoz, Mariano Monzo, Ramón Marrades

PA2859 Mutational status predicts the risk of thromboembolic events in lung adenocarcinoma
Giovanni Ferrara (Stockholm, Sweden), Elsa Davisdsson, Nicola Murgia, Cristian Ortiz-Villalon, Emil Wiklundh, Magnus Sköld, Karl Kölbeck, Giovanni Ferrara

PA2860 Serum hepcidin and iron are associated with non-small cell lung cancer stage
Kento Sato (Yamagata, Japan), Kento Sato, Yoko Shibata, Sumito Inoue, Akira Igarashi, Yoshikane Tokairin, Keiko Yamauchi, Tomomi Kimura, Takako Nemoto, Masamichi Sato, Hiroshi Nakano, Yuki Abe, Isao Kubota

PA2861 Prognostic implications of smoking in patients with advanced lung adenocarcinoma excluding positive mutations
Tomohiro Kato (HIMEJI, Japan), Tomohiro Kato, Yasuharu Nakahara, Katsuya Hirano, Ryota Komnami, Yasutaka Onishika, Yasushi Fukuda, Ryogo Kagami, Runko Katsuda, Kenji Hanao, Yoko Yokoi, Kouhei Miyake, Yasuyuki Mizumori, Hiroaki Tsukamoto, Shin Sasaki, Tetsuju Kawamura, Yoshiro Mochizuki

PA2862 CHD4 is associated with poor prognosis of non-small cell lung cancer patients through promoting tumor cell proliferation
Nuo Xu (Shanghai, China), Nuo Xu, Fanglei Liu, Jian Zhou, Chunxue Bai

PA2863 Prognostic significance of the expressions of Axl and/or Gas6 in patients with completely resected lung adenocarcinoma
Cheol-Hong Kim (Gyeonggi-do, Republic of Korea), Cheol-Hong Kim, Dong-Gyu Kim, In-Gyu Hyun, Masahiro Tani

T-39 Thematic Poster: Prognostic variables in lung cancer II

Chair: Arnaud Scherpereel (Lille, France), Rudolf M. Huber (München, Germany), Tuncay Göksel (Izmir, Turkey), Joanna Domagała-Kulawik (Warsaw, Poland)

PA2864 Reactive oxygen species modulator 1 (Romo1) as a diagnostic marker for lung cancer-related malignant effusion
Seung Hyeun Lee (Seoul, Republic of Korea), Seung Hyeun Lee, Sue In Choi, Won Ja Jung, Eun Joo Lee, Kyung Hoon Min, Gyu Young Hur, Seung Heon Lee, Sung Yong Lee, Je Hyeong Kim, Sang Yeub Lee, Chol Shin, Jae Jeong Shim, Kyung Ho Kang, Kwang Ho In

PA2865 Rhesus CE expression is an independent prognostic factor in non-small cell lung cancer
Arik Bernard Schulze (Münster, Germany), Arik Bernard Schulze, Lars Henning Schmidt, Lara Baie, Andreas Kuenmmel, Michael Mohr, Hartmut Hillmann, Georg Geißler, Dennis Görlich, Reinhard Kelsch, Rainer Wiewrodt

PA2866 Expression of the ILK-PINCH-PARVIN (IPP) complex and its binding partner Rsu-1 in human non-small cell lung cancer
Sofia Nikou (Patra, Greece), Sofia Nikou, Theodora Agalioti, Georgios Stathopoulos, Ioanna Gioiopanou, Vassiliki Zolota, Helen Papadaki, Vasiliki Bravou
PA 2867  Meta-analysis of ROS1-positive lung cancer cases
Rica Zinsky (Wiesbaden, Germany), Rica Zinsky

PA 2868  Expression and clinical significance of S100 calcium binding protein A2 in lung cancer
Hui Ren (Xi'an, China), Hui Ren, Ting Wang, Mingwei Chen

PA 2869  Association between leptin and risk of lung cancer
Xiang Tong (Chengdu, China), Xiang Tong, Yao Ma, Zhipeng Yan, Hong Fan

PA 2870  Volatile organic compounds in exhaled breath samples as potential biomarkers in early diagnosis of lung cancer - (Ege translational pulmonology research group [EgeTPAG])
Tuncay Göksel (Izmir, Turkey), Levent Pelit, Tuncay Göksel, Tugberk Nail Dizdas, Ilknur Bagatir, Füsun Pelit, Özlem Göksel, Hasan Ertas, Hülya Samancioglu, Burak Ordin, Arif Gürsoy, Durmus Özdemir, Haydar S. Karakus, MÜnever Erdiñç, F. Nil Ertas

PA 2871  Exploiting metabolomic approaches to aid in the diagnosis of lung cancer
Luis Mur (Aberystwyth, United Kingdom), Adian Mironas, Simon Cameron, Keiron O'Shea, Paul Lewis, Luis Mur, Keir Lewis

PA 2872  Diaphragm invasion worsen the prognosis as indicated in the 8th TNM
Cagatay Tezel (Istanbul, Turkey), Cagatay Tezel, Mustafa Akyil, Serdar Evman, Serda Kanbur, Talha Dogrulay, Levent Alpay, Cansel At Inkaya Ozturk, Volkan Baysungur, Irfan Yalcinkaya

PA 2873  The effects of polymorphisms identified in genome-wide association studies of never-smoking females on the prognosis of non-small cell lung cancer
Seung Soo Yoo (Daegu, Republic of Korea), Seung Soo Yoo, Hyo-Gyoung Kang, Jin Eun Choi, Sun Ha Choi, So Yeon Lee, Shin Yup Lee, Jaehee Lee, Seung Ick Cha, Chang Ho Kim, Jae Yong Park

PA 2874  Comparative analysis of lung cancer driver mutations from FFPE samples and liquid biopsies by IonTorrent next generation sequencing
Ina Iuliana Macovei (Pavel) (Iasi, Romania), Ina Iuliana Macovei, Ionut Pavel, Radu Zonda, Simona Péter, Florin Rusu-Cordunean, Andrei Tudor Cernomaz, Bogdan Dragos Grigoriu

PA 2875  Interobserver variability of tumor proliferation index and the importance of semiautomated method for counting Ki-67 in lung carcinoma
Cristian Suciu (Timisoara, Romania), Cristian Suciu, Cristian Oancea, Ovidiu Burlacu, Remus Cornea, Oana Suciu, Marius Raica

PA 2876  Enrolment in clinical trials enhances the survival benefit provided to lung cancer patients
Clotilde Fournier (Marseille, France), Clotilde Fournier, Pascale Tomasini, Anderson Loundou, Laurent Greillier, Fabrice Barlesi

PA 2877  Development and validation of a prognostic index for survival in patients with non-small-cell lung cancer
Ghassen Soussi (Boumhal, Tunisia), Ghassen Soussi, Hajer Racil, Nissaf Ben Alaya, Abdellatif Chabbou

PA 2878  LATE-BREAKING ABSTRACT: Improving the quality of pathological diagnosis of NSCLC in England
Neal Navani (London, United Kingdom), Neal Navani, Paul Beckett, Susan Harden, Aamir Khakhani, Rosie Dickinson, Richard Hubbard, Ian Woolhouse

PA 2879  LATE-BREAKING ABSTRACT: Treatment efficacy of afatinib vs gefitinib in lung adenocarcinoma with EGFR gene mutation
Marisol Arroyo Hernandez (Oaxaca, Mexico), Marisol Arroyo Hernandez, Alexander J. Alatorre, Julio C. Garibay, José F. Escobar, Jerónimo Rodríguez

Thematic Poster: Abstracts in medical education, the web and the internet
Chairs: Erik Driessen (Maastricht, Netherlands), Frans H.C. de Jongh (Enschede, Netherlands), Lars Konge (Virum, Denmark), Luca Fasano (Bologna, BO, Italy)

PA 2881  Reporting data analysis methods in high impact respiratory journals
Pentti Nieminen (Oulu, Finland), Pentti Nieminen, Tuula Toljamo, Anna Tuisku

PA 2882  Open access bronchoscopy atlas: An online educational tool for pulmonologists
Angela Koutsokera (Lausanne, Switzerland), Angela Koutsokera, Nicolas Liechti, Cecile Daccord, Maurizio Bernasconi, Valentina Garelli, Antonio Valent, Damien Keller, Samir Lahzami, Leslie Noirez, Adam Ogna, Antoine Pasche, Nicolas Petitpierre, Deborah Hinchliffe, Sylvie Perret, Maura Prella, Rodrigo Manzon, Alexandra Lenoir, John-David Aubert, Laurent Nicod, Jean-William Fitting, Alban Lovis
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<td>PA2885</td>
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<td>Thisarana Wijayaratne (Bristol, United Kingdom), Thisarana Wijayaratne, Nabil Jarad</td>
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<td>Laura Watkins (Oxton, United Kingdom), Laura Watkins, Jennifer Marlow, Laura Hill, Mustakim Khandaker, Hassan Burhan</td>
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<td>PA2887</td>
<td>Improving oxygen prescription at a district general hospital</td>
<td>Emily Wells (Manchester, United Kingdom), Emily Wells, Peppa Denny, Syed Mehdi, Imran Aziz</td>
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<td>Andrew Simpson (Manchester, United Kingdom), Andrew Simpson, Persijn Honkoo, Jacob Sont, Jiska Snoecko-Stroband, Erika Kennington, Jessica East, Courtney Coleman, Omar Usmani, Kian Fan Chung, Stephen Fowler</td>
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<td>Patricia Schartau (London, United Kingdom), Patricia Schartau, Thomas Trenner</td>
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<td>Silvia Pascual Erquicia (Galdakao (Bizkaia), Spain), Silvia Pascual Erquicia, Sandra Dorado Arenas, Isabel Urrutia Landa, Itziar Arrizubieta Basterrechea, Txomin Zabala Hernandez, Olaia Bronte Moreno</td>
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<td>PA2893</td>
<td>Social media use among asthmatics patients older than 12 years old in Latinamerica</td>
<td>Ivan Cherrez Ojeda (Guayaquil, Ecuador), Ivan Cherrez Ojeda, A. Baptist, Juan Calderon, Karin Plaza, José Cano, Erick Calero, Anna Cherrez, Edgar Matos</td>
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<td>PA2894</td>
<td>Preferences of using social media among COPD patients in Latinamerica</td>
<td>Ivan Cherrez Ojeda (Guayaquil, Ecuador), Ivan Cherrez Ojeda, A. Baptist, Juan Calderon, Karin Plaza, José Cano, Erick Calero, José Vilema, Michel Torres, Anna Cherrez</td>
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<td>PA2895</td>
<td>The IPCRG’s teach the teacher programme: An educational initiative to promote improved management of difficult to manage asthma</td>
<td>Juliet McDonnell (London, United Kingdom), Juliet McDonnell, Sián Williams, Jaime Correia de Sousa, Hilary Pinnock, Dermot Ryan</td>
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<td>PA2896</td>
<td>Current status of pulmonology training in medical colleges in India, perspectives of trainee and newly qualified pulmonologists</td>
<td>Monica Barne (Pune, India), Monica Barne, Simi Raghavan, Sushma Jadhav, Sapna Madas, Sundeep Salvi</td>
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<td>PA2897</td>
<td>Successful wireless monitoring and therapy alteration in home NIV: Proof of principle</td>
<td>Karen Ward (Liverpool, United Kingdom), Karen Ward, Helen Ashcroft, Verity Ford, Sara Wordingham-Baker, Biswajit Chakrabarti, Robert Angus, Nick Duffy, Robert Parker</td>
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<td>PA2898</td>
<td>LATE-BREAKING ABSTRACT: Patient preference for display of electronic patient-reported outcomes in COPD clinical trials: Wording emphasis, question format, and navigation button placement</td>
<td>Valdo Arnera (Genève, Switzerland), Laura Khurana, Ellen M. Durand, Sarah Tressel Gary, Antonio V. Otero, Chris Hall, Aisling Ryan, Christopher J. Evans, Susan M. Dallabrida, Valdo Arnera</td>
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<td>PA2899</td>
<td>LATE-BREAKING ABSTRACT: Patient preference for using computers, smartphones, and internet to participate in COPD clinical trials</td>
<td>Valdo Arnera (Genève, Switzerland), Laura Khurana, Ellen M. Durand, Sarah Tressel Gary, Antonio V. Otero, Chris Hall, Kelsey Berry, Christopher J. Evans, Susan M. Dallabrida, Valdo Arnera</td>
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**Room E**

**Session 414** 13:00 - 14:15

**Assembly members' meeting: Assembly 1 Clinical**

**Chairs:** Felix J.F. Herth (Heidelberg, Germany), Venerino Poletti (Forlí, Italy)

**Prince Regent Room**

**Session 415** 13:00 - 14:30

**Lunchtime session: Interstitial lung disease registry**

**New and useful insights from prospective registries across the world**

**Aims:** To learn about the clinical spectrum of ILDs in different parts of the world; the differences in the diagnostic approaches used for the same problem in different parts of the world; the clinical management of ILD; and the need to foster a global network, as this will enhance the overall understanding regarding the diagnosis and management of ILD worldwide and provide an unified approach that allows the simple clinical management of patients with ILD.

**Tag(s):** Clinical, Translational

**Chairs:** Luca Richeldi (Southampton, United Kingdom), Kevin Flaherty (Pinckney, United States of America)

13:00 **ILD registries in Germany: INSIGHTS-IPF**

Juergen Behr (Munich, Germany) 2901

13:22 **Quality of life in patients with IPF in Australia**

Ian Glaspole (Footscray, Australia) 2902

13:44 **ILD India registry: results from the new ILD India Registry database**

Ganesh Raghu (Seattle, United States of America) 2903

14:06 **ILD network/registry in the UK**

Monica Spiteri (Stoke-on-Trent, United Kingdom) 2904

**Room L**

**Session 416** 13:00 - 14:30

**Lunchtime session: Lung cancer: latest developments in screening and patient management**

**ERS/Lancet joint lunchtime**

**Aims:** The aim of this session is to learn about the latest treatments, clinical developments, and thinking in the area of lung cancer screening, management, and treatment.

**Track(s):** Oncology

**Tag(s):** Clinical

**Chairs:** Klaus Friedrich Rabe (Großhansdorf, Germany), Jean-Paul Sculier (Brussels, Belgium)

13:00 **Lung cancer screening: latest developments and unanswered questions**

Carlijn Van der Aalst (Rotterdam, Netherlands) 2905

13:22 **New and emerging targeted treatments in advanced lung cancer**

Fred R. Hirsch (Aurora, United States of America) 2906

13:44 **Challenges in molecular testing in lung cancer patients with advanced disease**

Rowena Sharpe (London, United Kingdom) 2907

14:06 **Results from the UK Medical Research Council QUARTZ randomised controlled trial in patients with NSCLC**

Paula Mulvenna (Newcastle upon Tyne, United Kingdom) 2908

**Room A**

**Session 417** 13:00 - 14:30

**Lunchtime session: When respiratory disease come to an end**

**An ethical session**

**Aims:** The aims of this lunchtime is to better understand the "right" timing and modes of communication of bad news for acute and chronic respiratory patients; to discuss the possible strategies to relief the "pain of the respiratory system" also called dyspnoea; to deal with the dramatic problem of end of life issues in children; and to understand who should be involved in all the end of life discussion (paternalism versus a shared decision).

**Chairs:** Sylvia Hartl (WIEN, Austria), Michele Vitacca (Gussago, Italy)
13:00  When and how to communicate bad news to our patients
        Mark W. Elliott (Leeds, United Kingdom)

13:30  How to improve dyspnoea and other symptoms in terminally ill respiratory patients
        Stefano Nava (Bologna, BO, Italy)

14:00  When the disease hits your little beloved
        Andrew Bush (LONDON, United Kingdom)

Room B  Session 418  13:00 - 14:15
Assembly members' meeting: Assembly 5 Airway diseases
Chairs: Antonio Spanevello (Milano, MI, Italy), Chair to be confirmed

Platinum Room 1+2  Session 419  13:00 - 14:15
Assembly members' meeting: Assembly 7 Paediatrics
Chairs: Fabio Midulla (ROMA, RM, Italy), Jonathan Grigg (London, United Kingdom)

Platinum Room 3+4  Session 420  13:00 - 14:15
Assembly members' meeting: Assembly 9 Allied respiratory professionals
Chairs: Irene Steenbruggen (Zwolle, Netherlands), Martijn A. Spruit (Horn, Netherlands)

Room C  Session 421  13:00 - 14:15
Assembly members' meeting: Assembly 6 Occupation and epidemiology
Chairs: Dirk Heederik (Utrecht, Netherlands), Christer Janson (Uppsala, Sweden)

Room K  Session 422  13:00 - 14:15
Assembly members' meeting: Assembly 3 Cell and molecular biology
Chairs: Christian M. Kähler (Wangen im Allgäu, Germany), Philipp A. Schnabel (Homburg/Saar, Germany)

13:15-14:30  INDUSTRY PRACTICAL WORKSHOP  SEE PAGE 1
ICC Auditorium  Session 448  14:45 - 16:45
Grand round: GR3 Scientific Grand Round: precision medicine
an interactive session
Aims: To discuss how recent scientific findings can be applied to achieve precision medicine in clinical practice. During this Grand Round, different disease areas will be presented and the potential implications and limitations for stratified medicine will be highlighted, thus enabling cross-communication. The audience will be engaged and best practices examples will be discussed.
Tag(s): Translational
Target audience: Clinician, Scientist
Chairs: Melanie Koenigshoff (Munich, Germany), Bruno Crestani (Paris, France)

14:45  Genetics in idiopathic pulmonary fibrosis
        David A. Schwartz (Denver, United States of America)

15:15  Immune checkpoint inhibitors in lung cancer
        Achim Rittmeyer (Immenhausen, Germany)

15:45  Combined treatment in pulmonary hypertension
        Marc Humbert (Paris, France)

16:15  Phenotyping asthma/COPD overlap syndrome
        Donald Sin (Vancouver, Canada)

Room E  Session 449  14:45 - 16:45
Hot topics: Air pollution and effects on lung health
Aims: To update the audience about the impact of global climate change and air pollution on cardiopulmonary health, and to discuss various aspects regarding this subject. At the end of the symposium, the audience will be aware of the current status of global climate change variables; their interactions with air pollutants and aeroallergens; their cardiopulmonary impacts; how basic research workers can become more involved in addressing cardiopulmonary health issues associated with global climate change; and related factors on cardiopulmonary health and about tools to address climate change in the treatment of patients and those suffer from it directly and indirectly.

Track(s): Epidemiology / Environment

Tag(s): Translational

Target audience: Allergologist, Allied health professional, Cardiologist, Clinician, Emergency medicine doctor, Epidemiologist, Fellow, General practitioner, Immunologist, Junior member, Microbiologist, Occupational therapist, Paediatrician, Patient, Pharmaceutical industry representative, Physiologist, Public health official, Pulmonologist, Researcher, Resident, Respiratory physician, Scientist, TB specialist, Trainee

Chairs: Frank J. Kelly (London, United Kingdom), Hasan Bayram (Gaziantep, Turkey)

14:45 Air pollution and interactions with aeroallergens
Kent Pinkerton (Davis, United States of America)

15:15 The effect of air pollution and temperature on COPD
Nadia Hansel (Baltimore, MD, United States of America)

15:45 Engineered nanoparticles and lung health
Terry Tetley (London, United Kingdom)

16:15 Genetic susceptibility and wood smoke-induced chronic bronchitis
Yohannes Tesfaigzi (Albuquerque, United States of America)

Prince Regent Room  Session 450  14:45 - 16:45

Symposium: Updating on electronic nicotine delivery systems (ENDS) or e-cigarettes

Aims: To update evidence on prevalence and characteristics of e-cigarette experimenters and users; their reasons to consume these products; as well as the awareness, perceived harmfulness and beliefs and attitudes on e-cig. To update evidence and discuss whether the use of electronic cigarettes in smokers is associated with smoking cessation attempts, cessation and reduced cigarette consumption; to update and review evidence on health effects of e-cigarettes: animal studies and experimental laboratory studies regarding acute effects on humans; and case reports of intoxication and respiratory disease; to discuss the challenging issues regarding conducting research on the long term exposures and potential human health effects of the use of e-cigarettes while the duration of exposure is a major determinant of health hazards; To discuss the harm reduction perspective and the public health impact on e-cigarette use.

Track(s): Epidemiology / Environment  Oncology

Tag(s): Clinical

Target audience: Allergologist, Allied health professional, Anaesthesiologist, Cardiologist, Clinician, Educationalist, Epidemiologist, Fellow, General practitioner, Junior member, Microbiologist, Nurse, Occupational therapist, Oncologist, Otolaryngologist, Patient, Physiologist, Physiotherapist, Psychologist, Public health official, Pulmonologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Sleep specialist/technologist, Student, Trainee

Chairs: Francesco Blasi (Milano, MI, Italy), Bo Lundback (Gothenburg, Sweden)

14:45 Epidemiology of e-cigarette use: health effects of e-cig
Charlotta Pisinger (GLOSTRUP, Denmark)

15:15 E-cigarette as the first step into long-term addiction
Paraskevi Katsaounou (Athens, Greece)

15:45 E-cigarette as a cessation treatment?
Carlos Andres Jimenez Ruiz (Madrid, Spain)

16:15 European regulation on e-cigarette
Constantine Vardavas (Heraklion, Greece)

Room L  Session 451  14:45 - 16:45

Symposium: Driving and sleepiness
ESRS/ERS joint symposium

Aims: This symposium is aimed at those who work in the area of sleepiness as a driving risk and those implementing the evidence-based guidelines in clinical practice. The symposium will describe the advances in this field and the implications of the new EU Directive for practical and medico-legal issues in Europe.

Track(s): Sleep

Target audience: Sleep specialist/technologist
### Room A: Session 452
**Symposium: Historical landmarks in respiratory medicine: contributions from the UK**

**Insights from the United Kingdom**

**Aims:** The overall aim is to discuss some of the key contributions made to respiratory medicine by scientists and clinicians from the United Kingdom.

**Tag(s):** Clinical

**Target audience:** Clinician, Educationalist, Fellow, Epidemiologist, Junior member, Researcher, Allied health professional

**Chairs:** Roberto Rodriguez-Roisin (BARCELONA, Spain), Maria Gabriela Belvisi (London, United Kingdom)

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<th>Time</th>
<th>Title</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>14:45</td>
<td><strong>History of asthma research</strong></td>
<td>Anthony Seaton (Edinburgh, United Kingdom)</td>
<td>2986</td>
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<td>15:15</td>
<td><strong>Respiratory physiology</strong></td>
<td>Michael B. Hughes (London, United Kingdom)</td>
<td>2987</td>
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<td>15:45</td>
<td><strong>Tuberculosis therapy</strong></td>
<td>Paul Nunn (London, United Kingdom)</td>
<td>2988</td>
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<td>16:15</td>
<td><strong>Treatment of airway disease</strong></td>
<td>Peter J. Barnes (London, United Kingdom)</td>
<td>2989</td>
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### Room B: Session 453
**Symposium: New therapies for chronic respiratory infections**

**Aims:** The aim of this session is to give the audience a general overview of the new therapies for chronic respiratory infections, including antibiotic therapy for patients with bronchiectasis and the new drugs for non-tuberculous mycobacteria and COPD.

**Track(s):** Infection

**Tag(s):** Translational

**Target audience:** Clinician, Fellow, General practitioner, Junior member, Microbiologist, Patient, Pharmaceutical industry representative, Pulmonologist, Researcher, Resident, Respiratory physician, Scientist, Student, Trainee

**Chairs:** Montserrat Vendrell (Girona, Spain), Timothy Aksamit (Rochester, United States of America)

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<th>Time</th>
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<tbody>
<tr>
<td>14:45</td>
<td><strong>Understanding the concept of chronic infection in the microbiome era</strong></td>
<td>Fernando J. Martinez (New York, United States of America)</td>
<td>2990</td>
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<tr>
<td>15:15</td>
<td><strong>How to tackle anti-microbial resistance</strong></td>
<td>Herman Goossens (Edegem, Belgium)</td>
<td>2991</td>
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<tr>
<td>15:45</td>
<td><strong>Managing chronic infection in COPD patients</strong></td>
<td>Menno M. van der Eerden (Rotterdam, Netherlands)</td>
<td>2992</td>
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<tr>
<td>16:15</td>
<td><strong>The management of non-tuberculous mycobacteria</strong></td>
<td>Michael Loebinger (London, United Kingdom)</td>
<td>2993</td>
</tr>
</tbody>
</table>
Track(s) : Paediatric
Tag(s) : Translational
Target audience : Allergologist, Clinician, Epidemiologist, Fellow, General practitioner, Immunologist, Junior member, Lung function technician, Microbiologist, Paediatrician, Patient, Pulmonologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Student, Trainee
Chairs : Stephen Turner (Aberdeen, United Kingdom), Susanne J. H. Vijverberg (Utrecht, Netherlands)

14:45 Epigenomics, transcriptomics, and paediatric asthma
Anke-Hilse Maitland van der Zee (Amsterdam, Netherlands)

15:15 Breathomics and paediatric asthma
Peter J. Sterk (Amsterdam, Netherlands)

15:45 Microbiomics and paediatric asthma
Anita Kozyrskyj (Edmonton, Canada)

16:15 Application of biomarkers and patient characteristics to personalize asthma treatment for children
Stanley J. Szefler (Denver, United States of America)

Platinum Room 3+4 Session 455 14:45 - 16:45

Oral Presentation: Recent high impact findings regarding COPD comorbidities
Chairs : Lowie Vanfleteren (Horn, Netherlands), Eric D. Bateman (Cape Town, South Africa)

OA2998 LATE-BREAKING ABSTRACT: Early identification of responders to reslizumab at 16 weeks using an algorithm derived from the pivotal clinical studies of severe eosinophilic asthma (SEA) patients
Janice Canvin (Amsterdam, Netherlands), Janice Canvin, Robert Noble, Ratko Djukanovic, Marla Curran, Sivan Weiss, Saku Torvinen, Xichun Sun, James Zangrilli

OA2999 Visual estimate of coronary artery calcium predicts cardiovascular disease in COPD
Surya Bhatt (Birmingham, United States of America), Surya Bhatt, Elia Kazerooni, John Newell, John Hokanson, Matthew Budoff, Chandra Dass, Sandeep Boddduluri, Francine Jacobson, Andrew Yen, Martin Dransfield, Carl Fuhrman, Joseph Tashjian, Hrudaya Nath

OA3000 Incidence and clinical characteristics of lung cancer in patients with COPD - From Hokkaido COPD cohort study
Mineyoshi Sato (Sunagawa, Japan), Mineyoshi Sato, Masaru Suzuki, Hironi Makita, Satoshi Konno, Kaoruko Shimizu, Hiroki Kimura, Hirokazu Kimura, Masaharu Nishimura

OA3001 Non-alcoholic fatty liver disease (NAFLD): A new mechanism for co-morbidities in chronic obstructive pulmonary disease (COPD)?
Damien VIGLINO (GRENOBLE, France), Damien Viglino, Ingrid Jullian-Desayes, Renaud Tamisier, Marion Perrin, Maxime Maingain, Marie Joyeux-Faure, Jean-Louis Pepin

OA3002 Prognostic impact of chronic obstructive pulmonary disease in severe symptomatic aortic stenosis
Marzia Rigolli (Oxford, United Kingdom), Marzia Rigolli, Andrea Rossi, Pierluigi Temporelli, Giovanni Benfari, Giovanni Cioffi, Stefano Nistri, Nicola Gaibazzi, Federica Guidetti, Corrado Vassanelli, Marco Metra, Luigi Tavazzi, Pompilio Faggiano

OA3003 Role of soluble -klotho in lung and skeletal muscle function in chronic obstructive pulmonary disease
Yuko Kureya (Osaka, Japan), Yuko Kureya, Hiroshi Kanazawa, Naoki Ijiri, Tetsuya Watanabe, Yoshihiro Tochino, Kazuhsa Asai, Kazuto Hirata

OA3004 Association of angiopoietin-like protein 4 with cardiovascular function in patients with COPD
Benjamin Waschki (HAMBURG, Germany), Benjamin Waschki, Anne Kirsten, Olaf Holz, Thorsten Meyer, Ralf Lichtinghagen, Klaus Rabe, Helgo Magnussen, Tobias Welte, Henrik Watz, Sabina Janciauskiene

OA3005 Contractile capability of diaphragm assessed by ultrasonography correlate with nocturnal oxygen saturation in COPD
Kazuki OKURA (Akita, Japan), Kazuki Okura, Masahiro Ikawaka,atsuyoshi Kawagoshi, Keiyu Sugawara, Hitomi Takahashi, Takeshi Kashiwagura, Mitsunobu Homma, Masahiro Satake, Takanobu Shinoya

Room C Session 456 14:45 - 16:45

Oral Presentation: Pulmonary hypertension: novel insights
Chairs : Christophe Guignabert (le Plessis-Robinson, France), Soni Savai Pullamsetti (Bad Nauheim, Germany)

OA6004 Introduction: The pathogenesis of pulmonary hypertension: a multifaceted moving target
Soni Savai Pullamsetti (Bad Nauheim, Germany)
LATE-BREAKING ABSTRACT: KCNK3 dysfunction contributes to the development of pulmonary arterial hypertension - Characterization of Kcnk3 deficient rats
Fabrice Antigny (Le Plessis-Robinson, France), Fabrice Antigny, Mélanie Lambert, Aurélie Hautefort, Boris Manoury, Philippe Jourdon, Catherine Rucker-Martin, Barbara Girerd, David Montani, Géraud Simonneau, Mars Humbert, Frédéric Perros

OA 3007
Characterization of a new rat model of heritable PAH
Hautefort Aurelie (Le Plessis Robinson, France), Hautefort Aurelie, Catherine Rucker Martin, Veronique Capuano, Florence Lecerf, Peter Dorfmüller, Barbara Girerd, David Montani, Marc Humbert, Fabrice Antigny, Frederic Perros

OA 3008
RASSF1A regulates ROS-HIF axis in hypoxia driven pulmonary hypertension
Swati Dubral (Bad Nuaheim, Germany), Swati Dubral, Christian Muecke, Chaniel Valsarajan, Mario Schmaranzer, Astrid Wietelmann, Norbert Weissmann, Rajkumar Savai, Werner Seeger, Reinhard Dammann, Soni Savai Pullamsetti

OA 3009
Detection and characterization of long noncoding RNAs in hypoxia-induced pulmonary hypertension
Mathias Brock (Schlieren, Switzerland), Mathias Brock, Claudio Schuoler, Thomas Haider, Silvia Ulrich, Max Gassmann, Malcolm Kohler, Lars Huber

OA 3010
Carbon nanotubes at the blood-gas barrier: Implications for cardiovascular reactivity
Elizabeth Smith (Manchester, United Kingdom), Elizabeth Smith, Terry Tetley, Sheng Hu, Pakatip Ruenraroengsak, Shu Chen, MiLo Shaffer, Andrew Thorley

OA 3011
Adventitial remodeling of experimental pulmonary hypertension induces myofibroblast-produced collagen V in a Th17-pathways-related manner
Alexandre Fabro (Botucatu, Brazil), Alexandre Todorovic Fabro, Renato Felix, Juliana Rodrigues Machado, Heloisa Resende Cruvil, Patricia dos Santos Leão, Amanda Luisa dos Santos, Rogério Antonio Oliveira, Walse Rosolia Teodoro, Ana Paula Pereira Velosa, Vera Luiza Capelozzi

OA 3012
Effects of hypobaric hypoxia on circulating microRNA expression and hypoxic pulmonary vasoconstriction
Birgit Blissenbach (Cologne, Germany), Birgit Blissenbach, Martin Krönke, Tobias Merz, Christos T. Nakas, Jacqueline Pichler Hefti

Room G  Session 457  14:45 - 16:45
Oral Presentation: Advancements in bronchoscopy
Chairs: Jouke T. Annema (Amsterdam, Netherlands), Pallav L. Shah (London, United Kingdom)

OA 3013
LATE-BREAKING ABSTRACT: The REACH study, a randomized controlled trial assessing the safety and effectiveness of the spiration valve system intra-bronchial therapy for severe emphysema
Shiyue Li (Guangzhou, China), Shiyue Li, Guangfa Wang, Changhui Wang, Faguang Jin, Xinglin Gao, Huaping Yang, Baohui Han, Rui Zhou, Chenghui Chen, Liang’an Chen, Chunxue Bai, Shen Huahao, Nanshan Zhong

OA 3014
Reduction of airway muscle mass in airway biopsies following bronchial thermoplasty; the TASMAr randomised controlled trial
Julia d’Hooghe (Amsterdam, Netherlands), Julia N.S. d’Hooghe, Joris J.T.H. Roelofs, Jouke T. Annema, Peter I. Bonta

OA 3015
Needle based confocal laser endomicroscopy for mediastinal lesions, an in vivo pilot study
Lizzy Wijmans (Amsterdam, Netherlands), Lizzy Wijmans, Daniel M. de Bruin, Sybren L. Meijer, Jouke T. Annema

OA 3016
Real-time endoscopically measurements of lung electrical impedance evaluated in vivo
ANA MARIA MUÑOZ FERNANDEZ (BARCELONA, Spain), Ana Maria Munoz Fernandez, Nuria Coll, Virginia Pajares, Ramon Bragas, Pere J. RIU, Diego Castillo, Alfons Torrego

OA 3017
3D endobronchial ultrasound (EBUS): Clinical demonstration
Hanne Sorger (LEVANGER, Norway), Hanne Sorger, Erland Fagertun Hofstad, Tore Amundsen, Thomas Lange, Håkon Olav Leira

OA 3018
Transbronchial Cryobiopsy - Is the bleeding risk changed in comparison to transbronchial forceps biopsy?
Juergen Hetzel (Dusslingen, Germany), Juergen Hetzel, Christoph Petermann, Ralf Eberhardt, Wolfgang Gesierich, Kaid Darwiche, Lars Hagmayer, Ahmed Elhab, Michael Boeckeler, Maik Haentschel

OA 3019
Safety of transbronchial lung cryobiopsy in mechanically ventilated patients in critical care. Mmulticenter study
ANA MARIA MUÑOZ FERNANDEZ (BARCELONA, Spain), Ana Maria Munoz Fernandez, Virginia Pajares, Carmen Lucena, Felipe Andreo, Antoni Betbesé, Laura López, Pedro Castro, Joan Ramon Badia, JOSÉ Ramírez, Marc Fabra, Gloria Bonet, Carles Agustí, Alfons Torrego

OA 3020
Efficacy of total lung lavage in pulmonary alveolar proteinosis: A multicenter international study of GELF
Pierre Gay (Saint-Etienne, France), Pierre Gay, Benoît Wallaert, Stefan Nowak, Jonas Yserbit, S. Anevlavis, C. Hermant, Alban Lovis, Olivier Menard, Bernard Maitre, Thomas Vandermeersch, Herve Dutau, Amandine Briault, Arnaud Bourdin, Marios Froudarakis, Jean-Michel Vergnon
**Room D**  
**Session 458**  
**14:45 - 16:45**  
Oral Presentation: Sepsis and ARDS: looking forward  
**Chairs**: Federico Longhini (Borgomanero, Italy), Cesare Gregoretti (TORINO, TO, Italy)

**OA3021**  
**LATE-BREAKING ABSTRACT**: Plasma level of TRAIL is associated with severity of sepsis and predicts survival after critical illness  
Thomas Nicholson (New York, United States of America), Thomas Nicholson, Kevin C. Ma, Maria A. Pabon, Eli Finkelsztein, Augustine M.K. Choi, David Berlin, Edward J. Schenck

**OA3022**  
**Long-term risks of cardiovascular events in patients with chronic kidney disease who survived sepsis**  
Hsi Chu (Taipei, Taiwan), Hsi Chu, Yung-Tai Chen

**OA3023**  
**Epigenetic control of proteolytic pathways in the diaphragm during prolonged mechanical ventilation**  
Sabah Hussain (Montréal, QC, Canada), Nikolay Moroz, Auday Al Khunaizi, Karen Maes, Flavia Stana, Dominique Mayaki, Anna Perez, Ghislaine Gayan-Ramirez, Sabah Hussain

**OA3024**  
**Differential regulation of protein degradation pathways in the ventilatory and limb muscles in response to sepsis**  
Sabah Hussain (Montreal, QC, Canada), Flavia Stana, Marija Vujovic, Dominique Mayaki, Philippe Lebalanc, Laurent Huck, Sabah Hussain

**OA3025**  
**Severe community-acquired pneumonia: Characteristics and prognostic factors in ventilated and non-ventilated patients**  
Miquel Ferrer Monreal (BARCELONA, Spain), Miquel Ferrer Monreal, Chiara Travieso, Catia Cilloniz, Albert Gabarrus, Eva Polverino, Adamantia Liapistou, Francesco Blasi, Antoni Torres

**OA3026**  
**Partial neuromuscular blockade facilitates lung protective assisted mechanical ventilation**  
Jonne Doorduin (Nijmegen, Netherlands), Jonne Doorduin, Joerce Nollet, Lisanne Roesthuis, Hieronymus van Hees, Johannes van der Hoeven, Leo Heunks

**OA3027**  
**Effect of antithrombin in an in vitro model of acute respiratory distress syndrome**  
Raquel Guillamat-Prats (Barcelona, Spain), Raquel Guillamat-Prats, Ferranda Puig, Marta Camprubi-Rimblas, Thomas Lebouvier, Antonio Artigas

**OA3028**  
**The effect of pre-hospital anti-platelet therapy in adults with ARDS: A meta-analysis**  
Weizhong Jin (Hangzhou, China), Weizhong Jin

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**Room M**  
**Session 459**  
**14:45 - 16:45**  
Oral Presentation: Phenotyping asthma  
**Chairs**: Elisabeth H.D. Bel (Amsterdam, Netherlands), Ian Douglas Pavord (Oxford, United Kingdom)

**OA3029**  
**LATE-BREAKING ABSTRACT**: Exercise-induced bronchial or laryngeal obstruction and vitamin D deficiency in elite athletes  
Caterina Bucca (Turin, Italy), Caterina Bucca, Michelle Belloccchia, Renza Ambrosanio, Daniele Mozzone, Daniela Libertucci, Lorena Mercante, Paolo Solidoro

**OA3030**  
**Implementation of personalized treatment of asthma by improved phenotyping: Critical review of knowledge gaps and unmet research needs by the European asthma research & innovation partnership (EARIP) expert panel**  
Sven-Erik Dahlén (Stockholm, Sweden), Sven-Erik Dahlén, Salman Siddiqui, Maciej Kupczyk, Samantha Walker

**OA3031**  
**Predictors of accelerated decline in FEV1 in a prospective new-onset asthma cohort**  
Hanneke Coumou (Amsterdam, Netherlands), Hanneke Coumou, Guus Westerhof, Selma de Nijs, Els Weersink, Elisabeth Bel

**OA3032**  
**Mast cell gene signature enrichment associates with late-onset severe asthma**  
Pieter-Paul W. Hekking (Amsterdam, Netherlands), Pieter-Paul W. Hekking, Ariane H. Wagener, Matthew Loza, Stelios Pavlidis, Fred Barbu, Ana X. Sousa, Julie Corfield, Elisabeth H. Bel, Rene Lutter, Bertrand De Meulder, Ian M. Adcock, K. Fan Chung, Ratko Djukanovic, Peter J. Sterk

**OA3033**  
**Reproducibility and stability of severe asthma research program (SARP) clinical cluster phenotypes in SARP3**  
Wendy Moore (Winston Salem, United States of America), Wendy Moore, Xingnan Li, Huashi Li, Mario Castro, Serpil Erzurum, John Fahy, Elliot Israel, Nizar Jarjour, Bruce Levy, Lenoard Bacharier, Anne Fitzpatrick, Ben Gaston, Ngoc Ly, Ross Myers, Sima Ramratnam, Wanda Phipatanakul, W. Gerald Teague, David Mauger, Sally Wenzel, Deborah Meyers, Eugene Bleecker

**OA3034**  
**Feasibility of using multiplex technology for simultaneous quantification of inflammatory proteins in exhaled particles**  
Gunilla Runström (Gothenburg, Sweden), Gunilla Runström, Ekaterina Mirgorodskaya, Marianne Andersson, Helen Friberg, Anna-Carin Olin
Blood eosinophils, exacerbations in the previous year, lung function and ICS dose predict frequent exacerbations in asthma
Florence Schleich (Liège, Belgium), Florence Schleich, Andrei Malinovschi, Laurence Seidel, Renaud Louis

Differences between asthma-COPD overlap syndrome (ACOS) and adult-onset asthma
Minna Tömmöla (Seinäjoki, Finland), Minna Tömmöla, Pinja Ilmarinen, Leena Tuomisto, Lauri Lehtimäki, Jussi Haanpää, Onni Niemelä, Hannu Kankaanranta

Oral Presentation: Latent tuberculosis infection
Chairs: Delia Goletti (Rome, Italy), Jan Heyckendorf (Hamburg, Germany)

Introduction talk: "An overview of the tests available to detect LTBI"
Delia Goletti (Rome, Italy)

Diagnostic accuracy of the novel C-Tb skin test for LTBI, results from two phase III trials
Morten Ruhwald (Copenhagen, Denmark), Morten Ruhwald, Joan Cayla, Henrik Aggerbaek, Keertan Dheda, Peter L. Andersen

Detection TB infection using a skin tests with tuberculin and allergen recombinant (CFP-10-ESAT-6) in children and adolescents in Moscow in 2015
Ludmila Slogotzkaya (Moscow, Russian Federation), Ludmila Slogotzkaya, Elena Bogorodskaya, O. Senthichina, G. Nikitina, V. Litvinov, P. Seltsovsky, N. Nikolenko, D. Kudlay

Blood and urine IP-10 associate with active TB in HIV-infected patients
Linda Petrone (Rome, Italy), Linda Petrone, Angela Cannas, Francesco Aloi, Martin Nsubuga, Joseph Sserumkuma, Ritah Angella Nazziwa, Levan Jugheli, Tedson Lukindo, Enrico Girardi, Klaus Reither, Delia Goletti

Evaluating 17 years of LTBI screening in NW England
Dominik Zenner (London, United Kingdom), Dominik Zenner, Miranda Loutet, Ross J. Harris, Stephen Wilson, L. Peter Ormerod

Tuberculosis screening in refugees under the age of five – Worth the effort?
Folke Brinkmann (Hannover, Germany), Folke Brinkmann, Stefanie Benzrath, Johannes Forster, Sylvia Tyman, Miriam Eilers, Jan Roschinsky, Cordula Koerner-Rettberg

The effect of smoking on QuantiFERON results in diagnosis of latent tuberculosis infection
Özlem Salman Sever (ANKARA, Turkey), Özlem Salman Sever, Balam Er Dedekarginoglu, Mahal Alekberov, Fusun Oner Eyupoglu

Oral Presentation: Novel approaches for pulmonary rehabilitation in chronic lung diseases
Chairs: Carolyn Rochester (New Haven, United States of America), Frits M.E. Franssen (Horn, Netherlands)

LATE-BREAKING ABSTRACT: Cardiovascular and skeletal muscle manifestations in COPD: TheERICA study
Divya Mohan (King of Prussia, United States of America), Divya Mohan, Michael Polkey, Julia Forman, Carmel McEniery, Charlotte Bolton, John Cockcroft, Jonathan Fulld, Mellone Marchong, Nichola Gale, Marie Fisk, Sridevi Nagarajan, David Lomas, Peter Calverley, Bruce Miller, Ruth Tal-Singer, Ian Wilkinson

Normalised quadriceps muscle strength cut-points and mortality in COPD
Jane Canavan (Harefield, United Kingdom), Jane Lydia Canavan, Matthew Maddocks, Samantha Kon, Sarah Jones, Claire Nolan, Alex Labey, Michael Polkey, William Man

Tele-monitoring intervention on COPD exacerbations

Physical activity and risk of comorbidities in patients with chronic obstructive pulmonary disease
Tsung Yu (Zurich, Switzerland), Tsung Yu, Gerben Ter Riet, Milo Puhar, Anja Frei

Diaphragmatic mobility improves after pulmonary rehabilitation. A study using M-mode ultrasonography
Camilo Corbellini (Rivoli, Italy), Camilo Corbellini, Alain Boussuges, Jorge Hugo Villafañe, Luciano Zocchi

The role of exercise training in a weight loss program on psychosocial morbidity, sleep quality and physical activity in obese asthmatics: A RCT
Patricia D Freitas (SAO PAULO/SP, Brazil), Patricia D. Freitas, Aline G. Silva, Palmira G. Ferreira, Analuci da Silva, Joao M. Salge, Alberto Cukier, Regina Carvalho-Pinto, Cláudia M. Brito, Marcio C. Mancini, Celso R.F. Carvalho
Poster Discussion: New insights into noninvasive ventilation: between the dream and reality

Chairs: Marieke L. Duiverman (Groningen, Netherlands), Claudia Crimi (Catania, Italy)

PA3051 Non invasive positive pressure ventilation for reducing exacerbation in very severe chronic obstructive pulmonary disease (COPD)
Alejandra Ramirez Venegas (MEXICO D.F, Mexico), Oliver Perez-Bautista, Alejandra Ramirez Venegas, Monica Velazquez Uncal, Rafael Hernandez-Zenteno, Fernando Flores-Trujillo, Alexandra Velazquez-Montero, Raúl H. Sansores

PA3052 Outcome of high-flow nasal cannula for acute hypoxemic respiratory failure due to pneumocystis pneumonia
Won-Young Kim (Seoul, Republic of Korea), Won-Young Kim, Heungsup Sung, Sang-Bum Hong, Chae-Man Lim, Younsuck Koh, Jiwon Ryu, Jin Won Huh

PA3053 Behavior of home ventilators using two different conditions of airway obstruction
MARIO NICOLAS ALBANI PEREZ (Zaragoza, Spain), Mario Nicolas Albani Perez, Laura Anoro Abenoza, Joaquín Costán Galicia

PA3054 Short-term effects, long-term compliance and admissions in patients with obesity hypoventilation syndrome under noninvasive mechanical ventilation
Tiago Fernandes Pinto (Porto, Portugal), Tiago Pinto, Vanessa Santos, Marta Drummond, Miguel R. Gonçalves

PA3055 Telemonitoring to optimise care in motor neurone disease: A pilot study
Helen Ashcroft (LIVERPOOL, United Kingdom), Helen Ashcroft, Hikari Ando, Bis Chakrabarti, Robert Angus, Rob Hallhead, Rosanna Cousins

PA3056 Mask pressure effects on the nasal bridge during noninvasive ventilation: Impact of mask design, ventilator settings and body position
Anne-Kathrin Brill (Bern, Switzerland), Anne-Kathrin Brill, Rachel Pickersgill, Mohammad Mogal, Mary J. Morrell, Anita K. Simonds

PA3057 Outcome of non-invasive domiciliary ventilation in elderly patients
Jacinto Hernandez Borge (Badajoz, Spain), Jacinto Hernandez Borge, María del Carmen García García, María José Antonia Rodriguez, Amparo Sanz Cabrera, Pedro Pires Goncalves, Isabel Asschert Aguero, Miguel Benitez-Cano Gamonoso, Jose Antonio Gutierrez Lara, Ignacio Rodriguez Blanco, Pilar Cordero Montero, Ana Castañer Jover, Francisca Lourdes Marquez Perez

PA3058 The efficacy of high-flow nasal cannulae oxygen therapy in severe acute exacerbation of chronic obstructive pulmonary disease: A randomized controlled trial
Myoung Kyu Lee (Wonju, Republic of Korea), Myoung Kyu Lee, Sang-Ha Kim, Won-Yeon Lee, Suk Joong Yong, Seok Jeong Lee, Ye-Ryung Jung

PA3059 Inpatient transfer for commencement of home NIV: Does a proforma improve practice?
Karen Ward (Liverpool, United Kingdom), Karen Ward, Helen Ashcroft, Verity Ford, Sara Wordingham-Baker, Robert Angus, Biswajit Chakrabarti, Nick Duffy, Robert Parker

PA3060 Chronic obstructive pulmonary disease admitted to an intensive care unit because of acute respiratory failure: How do severity of acidosis effect short and long term mortality?
Feyza Kargin (* STANBUL, Turkey), Feyza Kargin, Ilmım İrmak, Fulya Çiyiltepe, Sinem Güngör, Eylem Acartürk, Huriye Berk Takır, Pınar Atağın Güney, Özlem Yazıcııoğlu Moçın, Nalan Adigüzel, Zühal Karakurt

PA3061 Non-invasive ventilation simulation session outcomes in healthcare professionals
Sarah Stewart (London, United Kingdom), Sarah Stewart, Alina Hua, Ashling Lillis, Jonny Coppel, Terry O’Shaughnessy, Vladimir Macavei

PA3062 Effects of continuous positive airway pressure on arterial stiffness and oxidative stress in patients with obstructive sleep apnoea
Ivana Trojova (Presov, Slovakia), Ivana Trojova, Miriam Kozarova, Darina Petrasova, Zuzana Malachovska, Ivana Paranciova, Ivan Tkac, Pavol Joppa, Pavol Pobeha, Ruzena Tkacova
PA3063  Non-invasive ventilation (NIV) setup for COPD-OSA overlap syndrome: Is polysomnography (PSG) useful?  
Maxime Patout (ROUEN, France), Maxime Patout, Gill Arbane, Jean-Francois Muir, Antoine Cuvelier, Nicholas Hart, Patrick Brian Murphy

PA3064  Predictors of mortality for patients with obesity-related respiratory failure treated with nocturnal non-invasive ventilation  
Chathika Weerasuriya (Cambridge, United Kingdom), Chathika Weerasuriya, Dariusz Wozniak, Syed Huq, Michael Davies

PA3065  Efficacy of prophylactic CPAP on the immediate postoperative incidence of atelectasis/pneumonia after lung resection surgery  
Laura Rarmirez Garcia (Madrid, Spain), Laura Rarmirez Garcia, Javier de Miguel Díez, Ignacio Garutti, Javier Sayas, Eloisa López, Diego Parise, Enrique Altad, Luis Puente Maestu

PA3066  CPAP to treat obstructive sleep apnoea (OSA) in children with Down syndrome (DS)  
Jasneek Chawla (Brisbane, Australia), Jasneek Chawla, Caitlin Forwood, Helen Heussler

PA3067  Non-invasive ventilation (NIV) in Duchenne muscular dystrophy: A review of 17 years of practice  
Dipansu Ghosh (Leeds, United Kingdom), Victoria Beesley, Helen Molloy, Mark W. Elliott, Dipansu Ghosh

PA3068  Possible risk factors for early and late NIV failure  
Begüm Ergan (Izmir, Turkey), Begüm Ergan, Recai Ergun

Room ICC Capital Suite  Session 463  14:45 - 16:45

Poster Discussion: Quality management and quality of life in lung cancer  
Chairs: Anna Rich (Nottingham, United Kingdom), Inmaculada Alfageme Michavila (Seville, Spain)

PA3069  Perception of the disease and its impact on life in lung cancer patients  
Silvija Zemnickiene (Vilnius, Lithuania), Silvija Zemnickiene, Rasa Gauronskaite, Ruta Kibarskyte, Vaida Gedvilaitė, Edvardas Danila

PA3070  Breathlessness-inducing exercise in advanced cancer populations. Which measures to use as functional status declines?  
David Currow (Daw Park, Australia), Kahren White, Meera Agar, David Currow

PA3071  Updating the EORTC questionnaire for assessing quality of life in lung cancer patients (EORTC QLQ-LC13)  
Christian Klaus Jochen Schulz (REGENSBURG, Germany), Christian Klaus Jochen Schulz, Ayje Himpel, Hans-Stefan Hofmann, Michael Koller

PA3072  Distress thermometer in lung cancer patients  
lekká dimitra (ATHENS, Greece), Lekka Dimitra, Aggeliki Rapti, Dimitra Karkania, Argyri Evmolpdi, George Moussas, Athanasios Karkanias

PA3073  Influence of anxiety and depression on one-year survival in lung cancer patients  
Tomi Kovacevic (Sremska Kamenica, Republic of Serbia), Tomi Kovacevic, Bojan Zaric, Darijo Bokan, Jelena Stantic, Branimir Perin

PA3074  Positive effect of MusiCure on patients undergoing bronchochoscopy - A randomized controlled trial  
Elisabeth Jeppesen (Copenhagen, Denmark), Elisabeth Jeppesen, Carsten Michél Pedersen, Klaus Richter Larsen, Anne Rehl, Karen Bartholdhy, Vibeke Backer

PA3075  Nutrition and lung cancer  
Choubi Mariem (Casablanca, Morocco), Choubi Mariem, Elkhattabi Wiam, Jabri Hasna, Afif Hicham

PA3076  Sleep disturbances in patients with lung cancer in Turkey  

PA3077  Feasibility of smoking cessation services for patients with lung cancer; a patient centred approach  
Rachel Roberts (Ilanelli, United Kingdom), Rachel Roberts, Keir Lewis

PA3078  Retrospective review of a novel clinical service and pathway for patients with pulmonary nodules  
Georgia Hardavella (London, United Kingdom), Georgia Hardavella, Anum Azhar, Apheera Hussain, Sujal R. Desai
Development of a pulmonary nodule service & clinical pathway: A pragmatic approach addressing an unmet need
Georgia Hardavella (London, United Kingdom), Georgia Hardavella, Sujal Desai

An assessment of nurse led follow up of pulmonary nodules
Paul O'Donnell (Bury, United Kingdom), Paul O'Donnell, Fiona O’Brien, Lesley Valentine, Carol Telford

Validating an EBUS service provided by a group of operators with different levels of experience
Julian Ting (Leeds, United Kingdom), Julian Ting, Elankumaran Paramasivam

A temporal increase in referrals to a two-week wait lung cancer clinic is not explained by an increase in inappropriate referrals
Benjamin Diggins (Truro, United Kingdom), Benjamin Diggins, Louise Anning, Sandra Pope, Sally Tapp, Bip D. Patel

PET-CT – Does it make a difference?
Ameeka Thompson (Bath, United Kingdom), Ameeka Thompson, Andrew Low, Vidan Masani

Locally advanced and metastatic lung cancer management delay: Tunisian department experience
rana fessi (tunis, Tunisia), Rana Fessi, Besma Ourari, Jihen B. Amar, Heifa Zaibi, Saloua Azzabi, Med Ali Baccar, Hichem Aouina

Delay in diagnosis and management of lung cancer in developing countries
Imen Bachouch (Ariana, Tunisia), Imen Bachouch, Chaïma Habouria, Soumaya Agrebi, Fatma Chermiti, Sofia Taktak, Soraya Fenniche

Reducing delays in lung cancer diagnostic pathways to improve patient experience
Emma Crawford (Shropshire, United Kingdom), Emma Crawford, George Collins, Zeeshan Mustafa, Geraint Owen, Javed Ibrahim, Shahul Khan, Imran Hussain, Mohammed Haris
Mesenchymal stem cells and conditioned medium in myofibroblast modulation and collagen production in vascular adventitia and parenchyma of experimental pulmonary fibrosis model

Renato Goncalves Felix (Botucatu, Brazil), Renato Goncalves Felix, Ana Lívia Carvalho Bovolato, Patricia Santos Leão, Amanda Luisa dos Santos, Ana Paula Pereira Velosa, Walcy Rosolía Teodoro, Elenice Deffune, Alexandre Todorovic Fabro, Vera Luiza Capelozzi

Confocal laser endomicroscopy: Identification and quantification of the alveolar compartment

Lizzy Wijmans (Amsterdam, Netherlands), Lizzy Wijmans, Daniel M. de Bruin, Peter I. Bonta, Rene E. Jonkers, Joris J.T.H. Roelofs, Inge A.H. van den Berk, Jouke T. Annema

Natural killer and natural killer T-like cells in bronchoalveolar lavage fluid and peripheral blood in diffuse lung diseases

Eva Padrão (Braga, Portugal), Eva Padrão, Oksana Sokhatska, Marília Beltrão, Carmo Palmares, Patrícia Caetano Mota, Natália Melo, António Morais, Luís Delgado

B-cell infiltration varies among patients with interstitial lung diseases

Luis ARVELO CASTRO (Madrid, Spain), Luis ARVELO CASTRO, Virginia Van Keulen, Mohamed Ali, Marie Christine Aubry, Tobias Peikert, Eva M Carmona

Alveolar lymphocytes (AL) in healthy individuals are mostly effector T cells. The flow cytometry (FC) lesson for interstitial lung diseases (ILD) evaluation

Piotr Kopinski (Bydgoszcz, Poland), Piotr Kopinski, Ewa Wypasek, Andrzej Dyczek, Joanna Golinska, Tomasz Wandtke, Adam Szpechcinski, Joanna Chorostowska-Wynimko

Studies on apoptosis of alveolar lymphocytes (AL) in exogenous allergic alveolitis (EAA) Pilot study

Karina Portillo Carroz (BARCELONA, Spain), Karina Portillo Carroz, Ifáiki Salvador-Corres, Eva Martinez -Cáceres, Carmen Centeno-Clemente, Aina Tenienté-Serra, Juan Ruiz -Manzano, Alejandro Olivé-Marques

Usefulness of anti-Ro52 antibodies in the BAL of the patients with ILDs. Pilot study

Ivette Buendia Roldán (Mexico D.F., Mexico), Ivette Buendia Roldán, Patricia Sierra, Eduardo Montes, Victor Ruiz, Mario H. Vargas-Becerra, Mayra Mejia, Annie Pardo, Moises Selman

Does Rosemary leaves extract can attenuate lung injury in experimental pulmonary fibrosis in rats?

Saloua Ben Khamsa (ARIANA, Tunisia), Sana Bahri, Ridha Ben Ali, Khaoula Gasmir, Mona Mlika, Saloua Fazaa, Riadh Ksouri, Raja Serairi, Saloua Ben Khamas

Marijuana smoking: Health and socioeconomic impact in middle-aged and elderly adults

Impact of heart disease on hand grip strength in COPD
Viktor Johansson Strandkvist (Boden, Sweden), Viktor Johansson Strandkvist, Caroline Stridsman, Helena Backman, Jenny Röding, Anne Lindberg

Differences in the disease phenotype and comorbidities between patients with COPD and alpha-1-antitrypsin deficiency - An analysis of the COSY CONET cohort
Sebastian Fähndrich (Homburg/Saar, Germany), Sebastian Fähndrich, Frank Biertz, Henrik Watz, Tobias Welte, Annika Karch, Armin Koch, Hans-Ulrich Kauczor, Rudolf Jörres, Claus Vogelmeier, Robert Bals

Modelling the long-term effects of an active case finding programme for undiagnosed COPD
Tosin Lambe (Birmingham, United Kingdom), Tosin Lambe, Rachel Jordan, Peymane Adab, David Fitzmaurice, Sue Jowett, Alexandra Enocson

A comparison of the ADO, BODE and DOSE scores for predicting respiratory hospitalisations in a primary care COPD cohort
Andy Dickens (BIRMINGHAM, United Kingdom), Andy Dickens, Rachel Jordan, Alexandra Enocson, David Fitzmaurice, Alice Sith, Peymane Adab

Modelling future COPD epidemiology
Nicolas Roche (Paris, France), Nicolas Roche, Caroline Laurendeau, Chantal Raherison, Claire Fuhrman, Pierre-Régis Burgel

15-Year mortality after hospitalization for COPD in a Dutch teaching hospital: Preliminary data from the MORTCOP cohort
Pauline P.V. van Hirtum (Heerlen, Netherlands), Pauline van Hirtum, Roy Sprooten, Jan van Noord, Martijn de Kruif, Monique van Vliet

COPD in northern Sweden 1994-2009: Less under-diagnosis and altered risk factor pattern
Berne Eriksson (Halmstad, Sweden), Berne Eriksson, Helena Backman, Eva Rönmark, Linea Hedman, Caroline Stridsman, Sami Sawalha, Sven-Arne Jansson, Anne Lindberg, Bo Lundbäck

Diagnostic characteristics of questionnaires for identification of obstructive lung disease
Bruno P.P. Housset (CRETEIL, France), Bruno P.P. Housset, Loredana Doru, Amel Boudjema, Ikram Ben Hassen, Gilles Mangiapian, Zachiaria Saakashvili, Sylvie Jerome, Véronique Samé, Laurent Boyer, Frédéric Schlemmer, Bernard Maitre

Changes in FEV1 over 8 years in COPD
Per Sigvald Bakke (Bergen, Norway), Per Sigvald Bakke, Jørgen Vesbo, Emiel Wouters, William MacNee, David Lomas, Peter Calverley, Wisia Wedzicha, Joan Sauleadar, Dave Singh, Julie Yates, Ruth Tal-Singer, Bruce Miller, Nicholas Locantore

External validation of exacerbation and mortality outcomes of health economic decision models for COPD
Martine Hoogendoorn (Rotterdam, Netherlands), Martine Hoogendoorn, Taliha Feenstra, Yumi Asukai, Andrew Briggs, Ryan Hansen, Reiner Leidl, Nancy Risebrough, Yevgeniy Samyshkin, Margarethe Wacker, Maureen Rutten-van Molken

Out-patient combination therapy with inhaled corticosteroids and bronchodilators is associated with lower in-hospital mortality in pneumonia in patient with COPD
Yasuhiro Yamauchi (Tokyo, Japan), Yasuhiro Yamauchi, Hideo Yasunaga, Wakae Hasegawa, Hideyuki Takeshima, Yukiyo Sakamoto, Taisuke Jo, Hiroki Matsu, Takahide Nagase

Residential radon and COPD. An ecological study in Galicia, Spain
María Torres-Durán (Vigo, Spain), María Torres-Durán, Raquel Barbona-Lorenzo, Rebeca Ramis, Nuria Aragonés, Consuelo Carballera-Roca, Alberto Fernandez-Villar, Gonzalo Lopez-Abente, Juan Miguel Barros-Dios, Alberto Ruano-Ravina

Room ICC Capital Suite Session 466 14:45 - 16:45

Poster Discussion: Highlights in primary ciliary dyskinesia and asthma in childhood
Chairs: Liesbeth Duijts (Rotterdam, Netherlands), Jane Lucas (Southampton, United Kingdom)

Mutational screening in Italian patients with primary ciliary dyskinesia by next-generation sequencing (NGS)
Deborah Snijders (Ponzano Veneto, Italy), Deborah Snijders, Francesca Boaretto, Cecilia Salvo, Angelo Barbato, Giovanni Vazza

Effective patient selection for PCD diagnostics; the PICADAR score with nasal nitric oxide
Samuel Collins (Christchurch, United Kingdom), Samuel Collins, Laura Behan, Kerry Gove, Amanda-Lea Harris, Jane Lucas
Introducing immunofluorescence as a diagnostic tool for primary ciliary dyskinesia
Janice Coles (Southampton, United Kingdom), Janice Coles, Patricia Goggin, James Thompson, David A. Johnston, Suzanne E. Brooks, Jane S. Lucas

Prevalence of primary ciliary dyskinesia among patients referred for specialized testing: A systematic review and meta-analysis
Panayiotis Kouis (Nicosia, Cyprus), Panayiotis Kouis, Panayiotis Yiallouros, Stefania Papatheodorou

Changes in height and BMI in children and adolescents with primary ciliary dyskinesia (PCD) during the growth period: An iPCD cohort study
Myrofora Goutaki (Bern, Switzerland), Myrofora Goutaki, Florian Halbeisen, Philipp Latzin, Elisabeth Maurer, Carmen Casaulta, Suzanne Crowley, Eric Haarman, Jane S. Lucas, Lucy Morgan, Kim G. Nielsen, Francesca Santamaria, Nico Schwerk, Guillaume Thouvenin, Panayiotis Yiallouros, Alban Ramette, Claudia E. Kuehni

Lung function and nutritional status in children with cystic fibrosis and primary ciliary dyskinesia
Woolf Walker (Southampton, United Kingdom), Woolf Walker, Amanda Harris, Bruna Rubbo, Victoria Keenan, Amanda Friend, Sarah Payne, Judi Maddison, Caroline Yonge, Catherine Crocker, Tricia McGinnity, Teresa Curdshley, Kerry Gove, Sian Phillips, Julian Legg, Hazel Evans, Jane Lucas, Gary Connett

Evaluating a method for diagnosing PCD in countries of limited resources; an ERS fellowship
Nisreen Rumman (Bethlehem, Palestine), Nisreen Rumman, Claire Jackson, Bruna Rubbo, Janice Coles, James Thompson, Jane S. Lucas

Presenting features in primary ciliary dyskinesia vary with age
Samuel Collins (Christchurch, United Kingdom), Charles Beresford, Laura Behan, Jane Lucas, Samuel Collins

Knowledge of alpha-1 deficiency and primary ciliary dyskinesia by medical students and health professionals
M. Angeles Requena (Alberic, Spain), M. Angeles Requena, Francisco Dasí, Rafael Barajas, Silvia Castillo, Olga Benavent, Amparo Escribano

Risk for asthma exacerbations in association with variations in the genes coding for the glutathione S-transferase family
Stephen Turner (Aberdeen, United Kingdom), Stephen Turner, Ben Francis, Susanne Vijverberg, Maria Pino-Yanes, Annke-Hilse Maitland-van der Zee, Roger Tavendale, Esteban Burchard, Somnath Mukhopadhyay, Colin Palmer

Factors determining persistence of childhood persistent wheeze into young adulthood
Ramesh J. Kurukulaaratchy (Newport, Hants, United Kingdom), Ramesh J. Kurukulaaratchy, Claire Hodgekiss, Graham Roberts, Maria Larsson, Frances Mitchell, S. Hasan Arshad

Early-life respiratory tract infections and risk of lower lung function and asthma at school-age. The generation R study
Evelien van Meel (Rotterdam, Netherlands), Evelien van Meel, Herman T. den Dekker, Niels J. Elbert, Henriëtte A. Moll, Irwin K. Reiss, Johan C. de Jongste, Vincent W.V. Jaddoe, Liesbeth Duijts

Measuring lung function in asthmatic children: A spirometry and forced oscillation technique (FOT) comparison
Giovanna Cilluffo (Palermo, Italy), Giovanna Cilluffo, Salvatore Fasola, Velia Malizia, Giuliana Ferrante, Laura Montalbano, Marco Montalbano, Giovanni Viegi, Stefania La Grutta

Latent class identification in wheezing preschool children
Salvatore Fasola (Palermo, Italy), Salvatore Fasola, Giovanna Cilluffo, Velia Malizia, Giuliana Ferrante, Laura Montalbano, Marco Montalbano, Giovanni Viegi, Stefania La Grutta

LATE-BREAKING ABSTRACT: Maternal distress and childhood asthma. A Swedish registry study
Bronwyn Brew (Stockholm, Sweden), Bronwyn Brew, Cecilia Lundholm, Alexander Viktorin, Catarina Almqvist

Tracheostomy in children: A single center outcome results
Yasemin Gökdemir (Istanbul, Turkey), Tuba Kockar, Sifa Sahin, Mehmet Gunduz, Sedat Oktem

Clinical and spirometric follow-up from 4 to 9 years after lobectomy for congenital lung malformations in children
Andrea Farolfi (Milano, MI, Italy), Andrea Farolfi, Alessandra Zenga, Chiara Bersanini, Giulia Cammi, Sara Costanzo, Giovanna Ricciopetiti, Gian Vincenzo Zuccotti

The indications and role of paediatric bronchoscopy in a middle income country, with high incidence of pulmonary tuberculosis and HIV
Pierre Goussard (Bellville, South Africa), Pierre Goussard, Irwin Webster, Robert Gie
PA3141  Misdiagnosed asthma may mask the bronchiolitis obliterans
Ayse Tana Aslan (ANKARA, Turkey), Ayse Tana Aslan, Tugba Sismanlar, Sevgi Pekcan, Mehmet Kose, Isil Irem Budakoglu, Bahar Göknilk

PA3142  Airway stenting as a salvage procedure in a child with a lethal spondyloepiphyseal dysplasia congenita: 13 years follow-up
Raffaella Nenna (Rome, Italy), Paola Serio, Raffaella Nenna, Marco Di Maurizio, Roberto Leone, Roberto Baggi, Laura Petrarca, Lorenzo Mirabile, Fabio Midulla

PA3143  Clues in interstitial lung disease in children (chILD)
Deborah Snijders (Ponzano Veneto, Italy), Deborah Snijders, Elena de Col, Angelo Barbato

PA3144  Whole-lung lavage in a toddler. Technical challenges and solutions
Ignacio Iglesias (Barcelona, Spain), Ignacio Iglesias, Nuria Montferrer, Rosario Nuno, Silvia Gartner, Ines Mir, Alba Torrent, Antonio Moreno

PA3145  Did the introduction of pneumococcal vaccination in Italy change the BAL positive cultures in children with chronic lung diseases?
Deborah Snijders (Ponzano Veneto, Italy), Deborah Snijders, Susanna Masiero, Liviana Da Dalt, Angelo Barbato

PA3146  Prenatally diagnosed congenital cystic adenomatoid malformation (CCAM) and pulmonary sequestration (PS): Long-term follow-up of 119 cases
James Cook (London, United Kingdom), James Cook, Lyn S. Chitty, Paolo De Coppi, Michael Ashworth, Colin Wallis

PA3148  Foreign bodies in airways in children in Albania. Ten years data
Melpomeni Bizhga (Tirana, Albania), Melpomeni Bizhga, Bledi Nini, Klevis Thomai

PA3149  When should we perform flexible bronchoscopy in children with recurrent lower respiratory tract infections (RLTI)?
Amany Touil (Tunis, Tunisia), Amany Touil, Anissa Berraiies, Besma Hamdi, Ines Moussa, Jamel Ammar, Agnes Hamzaoui

PA3150  Complications of elective flexible bronchoscopy in children with tracheal abnormalities
Madhavan Ramaswamy (London, United Kingdom), Madhavan Ramaswamy, Michiel Vriesendorp, Clare McLaren, Derek Roebuck, Richard Hewitt, Nagarajan Muthialu, Martin Elliott

PA3151  Airway hemangiomas: Multicenter outcome results
Yasemin Gökdemir (Istanbul, Turkey), Tuba Kockar, Nilay Ikizoglu, Emine Atag, Yasemin Gökdemir, Zeynep Seda Uyan, Sedat Oktm

PA3152  Removal of airway foreign bodies with flexible bronchoscopy: Non-standardized methods
Hasan Yüksel (MANSA, Turkey), Hasan Yüksel, Ozge Yilmaz, Yurda Simsek, Arzu Acikel

PA3153  Airway endoscopy is an important tool in children with atypical croup
Andreas Pfleger (Hartberg, Austria), Andreas Pfleger, Manfred Modl, Ernst Eber

17:15-19:15
INDUSTRY EVENING SYMPOSIUM  SEE PAGE 1

17:30-19:00
INDUSTRY EVENING MINI SYMPOSIUM  SEE PAGE 1

No Room  Session 492  18:00 - 20:00
Public: Patient and public "Meet the expert" session at the Royal College of Physicians
Aims: To give people in London the opportunity to question ERS experts on the topic of air quality
Room ICC Capital Suite 9  Session 511  07:00 - 08:15
Registration for this session is additional to the congress registration fee and is €100 on site, €90 standard or €70 for early bird registration.

**Challenging clinical cases: CC6 New treatment approaches in non-small cell lung cancer**

**Aims**: Access educational materials here
To present interesting clinical cases on non-small cell lung cancer that demonstrate standard practices in thoracic oncology including information on the incidence of the malignancy, diagnostic criteria, staging of disease and risk assessment, treatment plans, response evaluation and follow-up.

**Track(s)**: Oncology
**Tag(s)**: Clinical
**Target audience**: Clinician, Fellow, General practitioner, Junior member, Oncologist, Pulmonologist, Radiologist, Respiratory physician, Thoracic surgeon, Trainee

**Chairs**: Tudor Andrei Cernomaz (Iasi, Romania)

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Is this patient operable?
Georgia Hardavella (London, United Kingdom) 3248

A former smoker
Maria M.J. Disselhorst (Amsterdam, Netherlands) 3249

Room ICC Capital Suite 11  Session 509  07:00 - 08:15
Registration for this session is additional to the congress registration fee and is €100 on site, €90 standard or €70 for early bird registration.

**Challenging clinical cases: CC7 How to deal with large airways problems**

**Aims**: Access educational materials here
To highlight the limitations of interventional pulmonology and discuss when the patient should be referred to surgery; to discuss that the spectrum of nonsurgical tools has expanded in recent years, which means that some important aspects of the pathology can be solved logically.

**Tag(s)**: Clinical
**Target audience**: Pulmonologist, Radiologist, Thoracic endoscopist, Thoracic surgeon

**Chairs**: Danail Petrov (Sofia, Bulgaria)

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Role of the interventional pulmonologist
Charles-Hugo Marquette (Nice, France) 3244

Role of the surgeon
Ioan Cordos (Bucharest, Romania) 3245

Room ICC Capital Suite 12  Session 510  07:00 - 08:15
Registration for this session is additional to the congress registration fee and is €100 on site, €90 standard or €70 for early bird registration.

**Challenging clinical cases: CC8 Complex management issues in ataxia telangiectasia**

**Aims**: Access educational materials here
To learn about the complex multisystem disease Ataxia telangiectasia (A-T) that associates with high early mortality from lung disease; to examine the respiratory aspects of A-T, including chronic infection, bronchiectasis and interstitial lung disease, immunodeficiency, and bulbar dysfunction leading to aspiration syndromes.

**Track(s)**: Paediatric
**Tag(s)**: Clinical
**Target audience**: Immunologist, Microbiologist, Paediatrician, Patient, Pulmonologist, Trainee

**Chairs**: Monika Gappa (Wesel, Germany)

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When and why should my child have a gastrostomy?
Jayesh M. Bhatt (Nottingham, United Kingdom), Joanne James (Newcastle, United Kingdom) 3246

Transitioning the complex patient to adult care
Nicholas Oscroft (Cambridge, United Kingdom) 3247
Room ICC Capital Suite  Session 515  08:00 - 10:30

Registration for this session is additional to the congress registration fee and is €40 on site, €35 standard or €25 for early bird registration.

Professional development workshop: PD7 Designing and conducting research in malignant pleural effusion

**Aims:** Access educational materials here
To provide an update on the experimental models and research techniques in the malignant pleural effusion field; to describe the clinical studies and translational projects in the field; and to show how to design and conduct research in malignant pleural effusion.

**Track(s):** Oncology

**Tag(s):** Basic science

**Target audience:** Fellow, Oncologist, Pulmonologist, Researcher, Respiratory physician, Scientist, Student

**Chairs:** Arnaud Scherpereel (Lille, France)

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<td>08:00</td>
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| 08:05  | **Master lecture:** Basic research studies in malignant pleural effusion  
Ioannis Kalomenidis (Marousi, Greece) |
| 08:25  | **Master lecture:** Clinical and translational studies in malignant pleural effusion  
Gary YC Lee (Perth, Australia) |
| 08:45  | Interactive questions and answers with the audience  
Ioannis Kalomenidis (Marousi, Greece), Gary YC Lee (Perth, Australia) |
| 09:30  | Demonstration of animal models and clinical procedures on videos  
Ioannis Kalomenidis (Marousi, Greece), Speaker to be confirmed |

Room ICC Capital Suite  Session 572  11:00 - 12:30

Registration for this session is additional to the congress registration fee and is €40 on site, €35 standard or €25 for early bird registration.

Professional development workshop: PD8 Navigate your publishing process

**Aims:** Access educational materials here
To provide the audience with a starting point for writing a publication-worthy paper; to understand the current publishing landscape and some of its most recent changes; to provide a ‘behind the scenes’ glimpse of the editorial and peer reviewing process; to maximise the impact of a published research.

**Target audience:** Researcher, Educationalist, Trainee, Junior member, Fellow

**Chairs:** Anita Simonds (London, United Kingdom), Agnes Boots (Maastricht, Netherlands)

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<td>11:00</td>
<td>Introduction by the chairs and resume of the pre-congress survey</td>
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| 11:10  | **Lightning lecture:** How to write a good paper  
Marc Humbert (Paris, France) |
| 11:20  | **Lightning lecture:** How to get a paper published  
Peter M. A. Calverley (Liverpool, United Kingdom) |
| 11:30  | Workshop: Discussion of case based problems in small groups  
Marc Humbert (Paris, France), Peter M. A. Calverley (Liverpool, United Kingdom) |
| 12:10  | Discussion and conclusion |

Room ICC Capital Suite  Session 631  13:00 - 14:30

Registration for this session is additional to the congress registration fee and is €40 on site, €35 standard or €25 for early bird registration.

Professional development workshop: PD9 Combining the clinic and research
**Aims:** Access educational materials here
To understand how a physician can obtain a good scientific resume without losing touch with the clinical work; to learn how to maximise the opportunities that are offered by combining clinic and research; to discuss how clinical trainings and research fellowships can be successfully combined to support your professional development.

**Tag(s):** Translational

**Target audience:** Researcher, Clinician, Fellow, Allied health professional, Trainee, Junior member, Respiratory physician, Scientist

**Chairs:** Katerina Antoniou (Heraklion, Crete, Greece)

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<td>13:00</td>
<td>Introduction by the chair</td>
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<td>13:05</td>
<td>Lightning lecture: Clinical and scientific work from a clinical perspective</td>
<td>Louise Fleming (London, United Kingdom)</td>
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<td>13:15</td>
<td>Lightning lecture: Clinical and scientific work from a junior’s perspective</td>
<td>András Bikov (Budapest, Hungary)</td>
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<td>13:25</td>
<td>Workshop: Discussion of case based problems in small working groups</td>
<td>András Bikov (Budapest, Hungary), Louise Fleming (London, United Kingdom)</td>
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<td>14:00</td>
<td>Discussion and conclusion</td>
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**Room ICC Capital Suite 4  Session 517  08:00 - 10:20**

Registration for this session is additional to the congress registration fee and is €100 on site, €90 standard or €70 for early bird registration.

**Skills workshop: SW16 Radiological-pathological correlations for clinicians - FULLY BOOKED**

**Aims:** Access educational materials here
To illustrate and highlight radiological-pathological correlations in different lung diseases; to be able to interpret radiological images and recognise radiological-pathological correlations; to understand when it is necessary to correlate clinical, radiological, and pathological findings.

**Track(s):** Oncology

**Tag(s):** Clinical

**Target audience:** Pulmonologist, Thoracic surgeon, Oncologist, Radiologist, Pathologist, Respiratory physician, Scientist, Trainee

**Chairs:** Philipp A. Schnabel (Homburg/Saar, Germany)

**Introduction**

**Workstation 1: Lung emphysema**
James Hogg (Vancouver, Canada)
**Workstation 2: Interstitial fibrosis**  
Catherine Beigelman-Aubry (Paris, France)

**Workstation 3: Lung cancer**  
Walter De Wever (Leuven, Belgium)

**Workstation 4: Pathology of lung emphysema, interstitial fibrosis and lung cancer**  
Giulio Rossi (Modena, Italy)

**Room ICC Capital Suite 17**  
Session 516  
08:00 - 10:20

Registration for this session is additional to the congress registration fee and is €100 on site, €90 standard or €70 for early bird registration.

**Skills workshop: SW17 Polysomnography in adults and children**

**Aims:** Access educational materials here  
To demonstrate how to perform and interpret sleep studies in both adults and children; to highlight the differences between paediatric and adult polysomnography (PSG) and polygraphy including the complexities of sleep and respiratory testing along with the limitations, advantages, and pitfalls; to be able to recognise when different scoring rules should be applied depending on the age of a patient.

**Track(s):** Sleep, Paediatric  
**Tag(s):** Clinical  
**Target audience:** Allied health professional, Clinician, Fellow, General practitioner, Junior member, Lung function technician, Neonatologist, Nurse, Paediatrician, Physiologist, Pulmonologist, Researcher, Resident, Respiratory physician, Sleep specialist/technologist, Trainee  
**Chairs:** Refika Hamutcu Ersu (Istanbul, Turkey)

**Workstation 1: Setting up polysomnography and polygraphy in adults and children**  
Elizabeth Hill (Edinburgh, United Kingdom), Athanasios G. Kaditis (Athens, Greece), Andrew Morley (Glasgow, United Kingdom)

**Workstation 2: Interpreting polysomnography and polygraphy in children**  
Refika Hamutcu Ersu (Istanbul, Turkey)

**Workstation 3: Interpreting polysomnography and polygraphy in adults**  
Raphael Heinzer (Lausanne, Switzerland)

**Room ICC Capital Suite 4**  
Session 549  
10:40 - 13:00

Registration for this session is additional to the congress registration fee and is €100 on site, €90 standard or €70 for early bird registration.

**Skills workshop: SW18 Radiological-pathological correlations for clinicians - FULLY BOOKED**

**Aims:** Access educational materials here  
To illustrate and highlight radiological-pathological correlations in different lung diseases; to be able to interpret radiological images and recognise radiological-pathological correlations; to understand when it is necessary to correlate clinical, radiological, and pathological findings.

**Track(s):** Oncology  
**Tag(s):** Clinical  
**Target audience:** Pulmonologist, Thoracic surgeon, Oncologist, Radiologist, Pathologist, Respiratory physician, Scientist, Trainee  
**Chairs:** Arnaud Scherpereel (Lille, France)

**Workstation 1: Lung emphysema**  
Claus Peter Heussel (Heidelberg, Germany)

**Workstation 2: Interstitial fibrosis**  
Catherine Beigelman-Aubry (Paris, France)

**Workstation 3: Lung cancer**  
Sebastian Ley (Munich, Germany)

**Workstation 4: Pathology of lung emphysema, interstitial fibrosis and lung cancer**  
Annette Fisseler-Eckhoff (Wiesbaden, Germany)
Skills workshop: SW19 Polysomnography in adults and children - FULLY BOOKED

**Aims:** Access educational materials here
To demonstrate how to perform and interpret sleep studies in both adults and children; to highlight the differences between paediatric and adult polysomnography (PSG) and polygraphy including the complexities of sleep and respiratory testing along with the limitations, advantages, and pitfalls; to be able to recognise when different scoring rules should be applied depending on the age of a patient.

**Track(s):** Sleep, Paediatric

**Tag(s):** Clinical

**Target audience:** Allied health professional, Clinician, Fellow, General practitioner, Junior member, Lung function technician, Neonatologist, Nurse, Paediatrician, Physiologist, Pulmonologist, Researcher, Resident, Respiratory physician, Sleep specialist/technologist, Trainee

**Chairs:** Renata L. Riha (Edinburgh, United Kingdom)

**Introduction**

**Workstation 1: Setting up polysomnography and polygraphy in adults and children**
Andrew Morley (Glasgow, United Kingdom), Athanasios G. Kaditis (Athens, Greece), Elizabeth Hill (Edinburgh, United Kingdom)

**Workstation 2: Interpreting polysomnography and polygraphy in children**
Stijn Verhulst (ANTWERPEN, Belgium), Refika Hamutcu Ersu (Istanbul, Turkey)

**Workstation 3: Interpreting polysomnography and polygraphy in adults**
Renata L. Riha (Edinburgh, United Kingdom)

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Skills workshop: SW20 Radiological-pathological correlations for clinicians - FULLY BOOKED

**Aims:** Access educational materials here
To illustrate and highlight radiological-pathological correlations in different lung diseases; to be able to interpret radiological images and recognise radiological-pathological correlations; to understand when it is necessary to correlate clinical, radiological, and pathological findings.

**Track(s):** Oncology

**Tag(s):** Clinical

**Target audience:** Pulmonologist, Thoracic surgeon, Oncologist, Radiologist, Pathologist, Respiratory physician, Scientist, Trainee

**Chairs:** Bogdan Dragos Grigoriu (Iasi, Romania)

**Introduction**

**Workstation 1: Lung emphysema**
James Hogg (Vancouver, Canada)

**Workstation 2: Interstitial fibrosis**
Sara Tomassetti (Forli, Italy)

**Workstation 3: Lung cancer**
Walter De Wever (Leuven, Belgium)

**Workstation 4: Pathology of lung emphysema, interstitial fibrosis and lung cancer**
Giulio Rossi (Modena, Italy)
Aims: To demonstrate how to perform and interpret sleep studies in both adults and children; to highlight the differences between paediatric and adult polysomnography (PSG) and polygraphy including the complexities of sleep and respiratory testing along with the limitations, advantages, and pitfalls; to be able to recognise when different scoring rules should be applied depending on the age of a patient.

Track(s): Sleep, Paediatric
Tag(s): Clinical
Target audience: Allied health professional, Clinician, Fellow, General practitioner, Junior member, Lung function technician, Neonatologist, Nurse, Paediatrician, Physiologist, Pulmonologist, Researcher, Resident, Respiratory physician, Sleep specialist/technologist, Trainee
Chairs: Refika Hamutcu Ersu (Istanbul, Turkey)

**Introduction**

**Workstation 1: Setting up polysomnography and polygraphy in adults and children**
Elizabeth Hill (Edinburgh, United Kingdom), Andrew Morley (Glasgow, United Kingdom)

**Workstation 2: Interpreting polysomnography and polygraphy in children**
Refika Hamutcu Ersu (Istanbul, Turkey)

**Workstation 3: Interpreting polysomnography and polygraphy in adults**
Raphael Heinzer (Lausanne, Switzerland), Renata L. Riha (Edinburgh, United Kingdom)

Room ICC Capital Suite 13
Session 627
13:00 - 14:00

Registration for this session is additional to the congress registration fee and is €100 on site, €90 standard or €70 for early bird registration.

Meet the expert: ME9 Detecting and correcting patient-ventilator asynchronies

Aims: To learn about the difficulties in recognising patient-ventilator asynchronies and the steps needed to eliminate them.
Track(s): Intensive care
Tag(s): Clinical
Target audience: Anaesthesiologist, Clinician, Emergency medicine doctor, Intensivist/critical care physician, Junior member, Neonatologist, Physiologist, Physiotherapist, Pulmonologist, Resident, Respiratory physician, Respiratory therapist

13:00 Detecting and correcting patient-ventilator asynchronies
Laurent Brochard (Toronto, Canada)

Room ICC Capital Suite 15
Session 629
13:00 - 14:00

Registration for this session is additional to the congress registration fee and is €100 on site, €90 standard or €70 for early bird registration.

Meet the expert: ME10 Effects of exercise on airway responsiveness

Aims: To understand the effect of exercise on bronchial epithelial cells and on airway responsiveness in healthy subjects; the ability of exercise training to attenuate airway responsiveness; the possibility that a sedentary lifestyle is a potential risk factor for the development of airways hyper-responsiveness; and the effect of exercise training in asthmatic subjects.
Track(s): Physiology
Tag(s): Translational
Target audience: Allergologist, Allied health professional, Clinician, Fellow, Immunologist, Junior member, Lung function technician, Paediatrician, Physiologist, Pulmonologist, Researcher, Scientist

13:00 Effects of exercise on airway responsiveness
Maria Bonsignore (Palermo, Italy)

Room ICC Capital Suite 6
Session 628
13:00 - 14:00

Registration for this session is additional to the congress registration fee and is €100 on site, €90 standard or €70 for early bird registration.

Meet the expert: ME11 Asthma and sleep-disordered breathing in children and adults
Aims: Access educational materials here
To review the ongoing clinical studies and recent publications that describe the interaction between asthma and sleep-related breathing disorders; to give an overview of the epidemiology of asthma and sleep-disordered breathing in adults and children; to discuss the shared risk factors and inflammatory pathophysiology of sleep-disordered breathing and asthma, and the evidence that suggests that upper-airway obstruction influences asthma severity and response to therapy; to discuss the evidence showing that treating sleep disorders, including insufficient sleep and sleep-disordered breathing, improves asthma outcomes; and to describe novel methods to measure asthma and sleep-related breathing disorders in the home-setting.

Track(s): Sleep, Paediatric
Tag(s): Translational
Target audience: Allergologist, Allied health professional, Anaesthesiologist, Clinician, Fellow, General practitioner, Immunologist, Junior member, Nurse, Paediatrician, Physiologist, Pulmonologist, Researcher, Resident, Respiratory physician, Scientist, Sleep specialist/technologist, Student

13:00 Asthma and sleep-disordered breathing in children and adults
Kristie Ross (Cleveland, United States of America) 4473

Room ICC Capital Suite  Session 626  13:00 - 14:00
Registration for this session is additional to the congress registration fee and is €100 on site, €90 standard or €70 for early bird registration.

Meet the expert: ME12 Endoscopic lung volume reduction
Aims: Access educational materials here
To discuss various options for hyper-inflated patients and different scenarios based on case examples.

Tag(s): Clinical
Target audience: Clinician, Fellow, General practitioner, Junior member, Pulmonologist, Radiologist, Resident, Thoracic endoscopist, Thoracic surgeon, Trainee

13:00 Endoscopic lung volume reduction
Felix J.F. Herth (Heidelberg, Germany) 4471

07:00-08:15
INDUSTRY EARLY MORNING SYMPOSIUM  SEE PAGE 1

ICC Auditorium  Session 518  08:30 - 10:30
Year in review: Clinical year in review
Aims: To review the most important papers published last year on different topics (diffuse parenchymal lung diseases, interventional pulmonology, imaging, rehabilitation, etc.).

Tag(s): Clinical
Target audience: Clinician, Epidemiologist, General practitioner, Immunologist, Junior member, Nurse, Oncologist, Pathologist, Physiotherapist, Psychologist, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Scientist, Student, Thoracic endoscopist, Thoracic surgeon, Trainee
Chairs: Katerina Antoniou (Heraklion, Crete, Greece), Celeste M. Porsbjerg (Copenhagen, Denmark)

08:30 Diffuse parenchymal lung disease
Sara Tomassetti (Forli, Italy) 3265

09:00 Thromboembolic pulmonary disease
Marius M. Hoeper (Hannover, Germany) 3266

09:30 Acute respiratory distress syndrome
Marco Confalonieri (Trieste, Italy) 3267

10:00 Chronic care in COPD and asthma
Thierry Troosters (Leuven, Belgium) 3268

Room E  Session 519  08:30 - 10:30
Symposium: The problem of multidrug-resistant tuberculosis
Aims: The emergence of multidrug-resistant tuberculosis (MDR-TB) and the increase in patients with MDR-TB worldwide is challenging tuberculosis control. However, the recent advances in diagnosing tuberculosis drug resistance and the development of novel therapeutic options for drug-resistant tuberculosis provide hope that the MDR-TB epidemic can be curbed.
### Hot topics: Obesity and respiratory diseases

**Aims:** Obesity is a disorder that is characterised by low-grade chronic systemic inflammation. It associates with respiratory comorbidities and is a rapidly evolving field. Recent new insights into pathophysiology and treatments are improving our approach in this area. The recent increase in obesity prevalence, especially in developed countries, is considered to be a pandemic: the WHO estimates that over one billion people worldwide are overweight and, of those, around 300 million are obese. This is double the prevalence that was recorded 20 years ago. Obesity is thus an emerging critical health problem. Awareness of this problem should be increased, and prevention and management should be improved. This session highlights important current controversies in obesity and respiratory comorbidities and their management and treatment.

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<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Location</th>
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<tbody>
<tr>
<td>08:30</td>
<td>Impact of next generation sequencing on rapid drug resistance testing in MDR-TB</td>
<td>Stefan Niemann (Borstel, Germany)</td>
<td>Prince Regent Room</td>
</tr>
<tr>
<td>09:00</td>
<td>Novel drug regimens against MDR-TB</td>
<td>Andreas Henri Diacon (Tygerberg, South Africa)</td>
<td>Prince Regent Room</td>
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<tr>
<td>09:30</td>
<td>Host directed therapies against MDR-TB</td>
<td>Markus Maeurer (Stockholm, Sweden)</td>
<td>Prince Regent Room</td>
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</table>

### Symposium: Urban air pollution and human health

**Aims:** The aim of this session is to summarise the latest knowledge on how climate changes affect the air composition and hence directly influence lung function, lung physiology, and lung pathophysiology. The audience will become aware of the impact the worsening course of global warming will have on human respiratory health. Physicians dedicated to protecting human life from the greatest threat to health and survival will describe the health impacts of continued fossil fuel use and pollution, and how to guarantee a livable world for future generations.

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<tbody>
<tr>
<td>08:30</td>
<td>Effects of inhalants altered by climate change: the role of controlled human exposure studies</td>
<td>Chris Carlsten (Vancouver, Canada)</td>
<td>Room L</td>
</tr>
</tbody>
</table>
**Symposium: Dysfunctional mitochondria in respiratory disease**

**Aims:** This session will aim to clarify the role of mitochondrial damage, release of mitochondrial DNA, and/or mitochondrial damage-associated molecular patterns (DAMPs) in driving respiratory disease pathology (e.g., COPD, acute lung injury, acute respiratory distress syndrome, and asthma). A cadre of experts will critically discuss the evidence that suggests that defects in mitochondrial DNA and/or environmental or cellular stress that damages the mitochondria can promote various diseases of the lung. The focus will be on the effects of these mitochondrial defects/stresses on lung cell/lung tissue function. The presenters will also discuss possible underlying mechanisms and targets of intervention.

**Track:** Physiology

**Tag(s):** Basic science

**Target audience:** Clinician, Immunologist, Junior member, Pathologist, Pharmaceutical industry representative, Physiologist, Pulmonologist, Researcher, Respiratory physician, Student

**Chairs:** Agnes Boots (Maastricht, Netherlands), Catherine Greene (Dublin 9, Ireland)

**08:30**  
**Mitochondrial dysfunction: cellular consequences**  
Irfan Rahman (Rochester, United States of America)

**09:00**  
**The role of mitochondrial DAMPs in driving lung inflammation and injury**  
Suzanne Cloonan (Brookline, United States of America)

**09:30**  
**Dysfunctional mitochondria in lung fibrosis**  
Ana Mora (Pittsburgh, United States of America)

**10:00**  
**Mitochondrial dysfunction in chronic lung disease**  
Joao Passos (Newcastle upon Tyne, United Kingdom)

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**Symposium: Cell therapy for ARDS and sepsis**

**Aims:** After this session the attendees will understand the basic mechanisms and the roles of cell therapy in preclinical models of lung injury and severe sepsis and how to lead and implement first-in-human trials of lung cell therapy.

**Track:** Intensive care

**Tag:** Translational

**Target audience:** Anaesthesiologist, Immunologist, Intensivist/critical care physician, Microbiologist, Pulmonologist, Researcher, Resident, Scientist, Thoracic surgeon

**Chairs:** Paolo Pelosi (Milano, MI, Italy), Antonio Artigas (Sabadell, Spain)

**08:30**  
**Therapeutic efficacy of human mesenchymal cells (MSCs) in the repair of ARDS and VILI**  
John Laffey (Toronto, Canada)

**09:00**  
**Type II pneumocyte transplantation in ARDS**  
Raquel Guillamat-Prats (Barcelona, Spain)

**09:30**  
**MSC therapy as adjunctive treatment in severe sepsis**  
Michael A. Matthay (San Francisco, United States of America)

**10:00**  
**What are the barriers to clinical translation of MSC for ARDS?**  
Danny McAuley (Belfast, United Kingdom)
Session: Presentation and discussion of a draft Lancet Commission on Asthma

**Aims:** The audience will learn about new thoughts in asthma and respiratory diseases in general and will be part of a discussion about how to take forward this new thinking and the recommendations emerging from The Lancet Commission.

**Tag(s):** Clinical

**Chairs:** Sabine Kleinert (London, United Kingdom), Monica Kraft (Tucson, United States of America)

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<thead>
<tr>
<th>Time</th>
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<th>Speaker(s)</th>
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<tbody>
<tr>
<td>08:30</td>
<td><strong>Why a Lancet Commission on Asthma?</strong></td>
<td>Ian Douglas Pavord (Oxford, UK)</td>
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<tr>
<td>08:40</td>
<td>Beyond palliative care: tackling the origins of asthma</td>
<td>Andrew Bush (London, UK)</td>
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<tr>
<td>09:00</td>
<td>Rethinking the way we are treating established airway disease: current guidelines need to change</td>
<td>Richard Beasley (Wellington, NZ)</td>
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<td>09:40</td>
<td>Audience and Panel discussion</td>
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Hot topics: What can respiratory medicine learn from cystic fibrosis research?

**Aims:** To describe some of the research advances that have been made, or primarily developed, in CF medicine, and to show how these may be applied to other disease groups.

**Track(s):** Paediatric, Physiology

**Tag(s):** Translational

**Target audience:** Clinician, Lung function technician, Microbiologist, Paediatrician, Patient, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Trainee

**Chairs:** Christiane De Boeck (Leuven, Belgium), Siobhan Carr (London, United Kingdom)

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<tr>
<td>08:30</td>
<td>What can we learn about pulmonary infection from studying the microbiome in CF?</td>
<td>Yvonne Huang (Ann Arbor, USA)</td>
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<tr>
<td>09:00</td>
<td>Imaging the CF lung</td>
<td>Harm Tiddens (Rotterdam, The Netherlands)</td>
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<td>09:30</td>
<td>Multiple breath washout: out of the closet and into the clinic</td>
<td>Alex Horsley (Manchester, UK)</td>
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<td>10:00</td>
<td>The central role of CFTR in lung disease</td>
<td>Stuart Elborn (Belfast, UK)</td>
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Oral Presentation: Early determinants of childhood asthma and allergy

**Chairs:** Bülent Taner Karadag (STANBUL, Turkey), Erika von Mutius (Munich, Germany)

<table>
<thead>
<tr>
<th>Abstract Number</th>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>OA 3299</td>
<td>LATE-BREAKING ABSTRACT: Mode of delivery and asthma at school age in nine European birth cohorts</td>
<td>Franca Rusconi (Firenze, Italy), Franca Rusconi, Daniela Zugna, Isabella Amesi-Maesano, Nour Baiz, Henriqu Barros, Sofia Correia, Liesbeth Duijs, Francesco Forastiere, Hazel Inskip, Cecily C. Kelleher, Pernille S. Larsen, Monique Mommers, Anne-Marie Nybo Andersen, John Penders, Katharine Pike, Daniela Porta, Agnes Sonnenschein-van der Voort, Jordi Sunyer, Maties Torrent, Karien Viljoen, Martine Vrijheid, Lorenzo Richiard, Claudia Galassi</td>
</tr>
<tr>
<td>OA 3300</td>
<td>17q21 variants are strongly associated with persistence of symptoms in young children with wheeze</td>
<td>Raquel Granell (BRISTOL, UK), Raquel Granell, Jonathan Sterne, John Henderson</td>
</tr>
<tr>
<td>OA 3301</td>
<td>Childhood asthma in relation to maternal and paternal preconceptional nicotine exposures</td>
<td>Lennart Braback (Umeå, Sweden), Lennart Braback, Caroline Lodge, Adrian Lowe, Shyamali Dharmage, David Olsson, Bertil Forsberg</td>
</tr>
<tr>
<td>OA 3302</td>
<td>Fetal origins of persistent childhood asthma</td>
<td>Stephen Turner (Aberdeen, UK), Stephen Turner, Shona Fielding, Graham Devereux</td>
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</table>
### Oral Presentation: Novel insights into the treatment of COPD

**Chairs:** Kian Fan Chung (London, United Kingdom), Huib A.M. Kerstjens (Groningen, Netherlands)

<table>
<thead>
<tr>
<th>Session 527</th>
<th>08:30 - 10:30</th>
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<tbody>
<tr>
<td>OA3307</td>
<td><strong>LATE-BREAKING ABSTRACT:</strong> Single-dose safety, tolerability, PD &amp; PK of AZD8999, a bi-functional muscarinic antagonist/2-agonist (MABA), in patients with COPD&lt;br&gt;Dave Singh (Manchester, United Kingdom), Dave Singh, Tim Mant, Helena Pujol, Éric Massana, Meritxell Falqués, Marisa Gonzalez, Carol Astbury</td>
</tr>
<tr>
<td>OA3308</td>
<td>Central role of AC6 in 2 agonist induced relaxation of human airway smooth muscle&lt;br&gt;Eric Dubuis (London, United Kingdom), Eric Dubuis, Catherine Wrench, Bill Dekkak, Fisnik Shala, Yasin Shaiifa, Jeremy Ward, Julia Gorelik, Maria Belvisi, Mark Birrell</td>
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<tr>
<td>OA3309</td>
<td>In vitro pharmacological characterization of a novel p38 (MAPK14) inhibitor designed for inhaled delivery&lt;br&gt;Fabrizio Facchinetti (Parma, Italy), Nadia Moretto, Carmelida Capaldi, Elisabetta Armani, Mary Fitzgerald, Henry Finch, Craig Fox, Riccardo Patacchini, Maurizio Civeilli, Gino Villetti, Fabrizio Facchinetti</td>
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<tr>
<td>OA3310</td>
<td>Inhibition of NOX2 oxidase activity ameliorates cigarette smoke-induced lung inflammation and wasting in mice&lt;br&gt;Ross Vlahos (Bundoora, VIC, Australia), Ivan Bernardo, Samantha Passey, Huei Jiunn Scow, Michelle Hansen, Steven Bozinovski, Ross Vlahos</td>
</tr>
<tr>
<td>OA3311</td>
<td>A randomised double-blind placebo-controlled trial of the effect of inhaled heparin on lung function, hyperinflation and exercise capacity in patients with COPD&lt;br&gt;Mario Cazzola (ROMA, RM, Italy), Janis Shute, Luigino Calzetta, Vittorio Cardaci, Stefania Di Toro, Clive Page, Mario Cazzola</td>
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<tr>
<td>OA3312</td>
<td>Pulse wave velocity (PWV) in patients (pts) with moderate COPD and cardiovascular risk: The effect of an inhaled long-acting 2-agonist/corticosteroid (SUMMIT)&lt;br&gt;Courtney Crim (GSK, Research Triangle Park, United States of America), Courtney Crim, Robert Brook, Julie Anderson, Sally Kilbride, Peter Calverley, Bartolome Celli, Fernando Martinez, Jørgen Vestbo, Julie Yates, David Newby</td>
</tr>
<tr>
<td>OA3313</td>
<td>Effects of a single inhaled budesonide/formoterol dose on glucocorticoid receptor activity in sputum of COPD patients&lt;br&gt;Amir Hakim (London, United Kingdom), Amir Hakim, Younis Khan, Ignacio Esteban, Anna Miller-Larsson, Peter Barnes, Omar Usmani</td>
</tr>
<tr>
<td>OA3314</td>
<td>Indacaterol/glycopyrronium (IND/GLY) is more effective than salmeterol/fluticasone (SFC) in reducing exacerbations, regardless of outcome measurement utilised: Results from the FLAME study&lt;br&gt;Dorothy Keininger (Basel, Switzerland), Dorothy Keininger, Jadwiga A. Wedzicha, Jørgen Vestbo, Tim Ayers, Angel Fowler Taylor, Chau Thach, Michael Larbig, Elaine Askin, Robert Fogel, Francesco Patalano, Donald Banerji</td>
</tr>
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</table>
OA3317  Association of living in a farming environment with asthma incidence in Canadian children
Ambikiapakan Senthilselvan (Edmonton, AB, Canada), Marc Parsons, Jeremy Beach, Ambikiapakan Senthilselvan

OA3318  Adverse pregnancy outcomes and familial confounding in asthmatic women - A population based family design study
Gustaf Rejnö (Vällingby, Sweden), Gustaf Rejnö, Cecilia Lundholm, Kjell Larsson, Henrik Larsson, Paul Lichtenstein, Brian M. D’Onofrio, Sissel Saltvedt, Catarina Almqvist

OA3319  Dampness and mould on respiratory health - A longitudinal approach. Results from the MeDALL study
Christina Tischer (Barcelona, Spain), Christina Tischer, Carla Tiesler, Marie Standl, Ulrike Gehring, Alet Wijga, Erik Melen, Jesse Thacher, Maties Torrent, Jordi Sunyer, Thomas Keil, Isabella Annesi-Maesano, Josep M. Anto, Joachim Heinrich

OA3320  Atopy as a predictor of allergic respiratory diseases in an Italian general population sample
Sandra Baldacci (Pisa, PI, Italy), Sandra Baldacci, Sara Maio, Anna Angino, Sonia Cerrai, Giuseppe Sarno, Franca Martini, Francesco Di Pede, Francesco Pistelli, Laura Carrozzoni, Giovanni Viegi

OA3321  Age at allergic sensitization is strongly related to asthma and rhinitis in young adulthood
Joakim Bunne (Piteå, Sweden), Joakim Bunne, Linnea Hedman, Martin Andersson, Helena Backman, Bo Lundbäck, Eva Rönmark

OA3322  Influence of gene-by-early environmental tobacco smoke exposure interactions on time-to-asthma onset
Chloé SARNOWSKI (PARIS, France), Chloé Sarnowski, Marie-Hélène Dizier, Raquel Granell, Debbie Jarvis, Markus J. Ege, Catherine Laprise, Pierre-Emmanuel Sugier, Patricia Margaritte-Jeannin, William Cookson, Miriam Moffatt, Mark Lathrop, Isabelle Pin, Erika Von Mutius, Valérie Siroux, John Henderson, Manolis Kogevinas, Florence Demenais, Emmanuelle Bouzigon

Room M  Session 529  08:30 - 10:30

Oral Presentation: Community-acquired pneumonia: update on prognostic factors and therapeutic strategies
Chairs: Antoni Torres Marti (Barcelona, Spain), Eva Van Braeckel (Ghent, Belgium)

OA3323  LATE-BREAKING ABSTRACT: Intravenous infusion of Chinese medicine xuebijing significantly improved clinical outcome in severe pneumonia patients in a multiple center randomized controlled clinical trials
Yuanlin Song (Shanhong, China), Yuanlin Song, Chen Yao, Hongcai Shang, Xiaoming Yao, Chuxue Bai

OA3324  Do school holidays affect adult pneumococcal community acquired pneumonia incidence?
Priya Daniel (nottingham, United Kingdom), Priya Daniel, Chamira Rodrigo, Thomas Bewick, Sonia Greenwood, Tricia McKeever, Carmen Sheppard, Mary Slack, Wei Shen Lim

OA3325  Cardiac troponin T in predicting mortality after hospitalisation for community-acquired pneumonia
Stefan Vestjens (Nieuwegein, Netherlands), Stefan Vestjens, Simone Spoorenberg, Ger Rijkers, Jan Grutters, Jurrein Ten Berg, Ewout van de Garde, Willem Jan Bos

OA3326  Biomarkers and cardiovascular events in community-acquired pneumonia
Raúl Méndez (VALENCIA, Spain), Raúl Méndez, Irene Aldàs, Isabel Amara-Elori, Alexandra Gimeno, Tomás Posadas, Soledad Reyes, Marta Suexcun, Ricardo Alonso, Rosario Menéndez

OA3327  Survival benefit of beta-lactam plus macrolide combined therapy versus beta-lactam plus quinolones in hospitalized community-acquired pneumonia
Francisco Sanz Herrero (Quart de Poblet (Valencia), Spain), Francisco Sanz Herrero, Estrella Fernández-Fabrellas, Eusebi Chiner, María Luisa Briones, Ruben Lera, María Carmen Aguas, Angela Cervera, Jose Blanquer

OA3328  Benefits of co-administration of macrolides and glucocorticosteroids in the treatment of severe community acquired pneumonia
Adrian Ceccato (Ituzaingo, Argentina), Adrian Ceccato, Miquel Ferrer, Albert Gabarrus, Oriol Sibilla, Eva Polverino, Catia Cilloniz, Carlos Agusti, Francisca Lopez, Michael Niederman, Antoni Torres

OA3329  Prior use of both a statin and ARB is associated with lower mortality for patients hospitalized with pneumonia
Eric Mortensen (Dallas, United States of America), Eric Mortensen, Antonio Anzueto

OA3330  Non-steroidal anti-inflammatory drugs may worsen the course of community-acquired pneumonia: A cohort study
Damien Basille (Amiens, France), Damien Basille, Charlotte Trouve, Nathalie Plouvier, Claire Andrejak, Vincent Jouveaux

Room P  Session 530  08:30 - 10:30

Oral Presentation: Lung allograft dysfunction: insights into inflammatory/immune mechanisms
Chairs: Bart Vanaudenaerde (LEUVEN, Belgium), Andrew Fisher (Newcastle, United Kingdom)
**OA3331** LATE-BREAKING ABSTRACT: Long-term consequences of central airways stenosis after lung transplantation
Michele Porzio (Strasbourg, France), Michele Porzio, Andrea Mazzetta, Romain Kessler, Anne Olland

**OA3332** The influence of extracorporeal photopheresis on NF B signaling and cytokine expression in lung transplant patients
Linda Langehegermann (Essen, Germany), Linda Langehegermann, Ilona Spyras, Vasiliki Besa, Björn E. Kleibrink, Gerhard Weinreich, Helmut Teschler, Uwe Hillen, Bastian Schilling, Cindy Franklin, Sabine Meyer, Esra Alabas, Markus Kamler, Peter A. Horn, Vera Rebmann, Urte Sommerwerck

**OA3333** Inflammatory response following DCD and DBD lung transplantation
Rosalba Romano (Harefield, United Kingdom), Rosalba Romano, Louit Thakuria, Shirin Sheibani, Fabio De Robertis, Aron-Frederik Popov, Mohamed Amrani, Toufan Bahrami, Paras Dalal, Simona Soresi, Martin Carby, Anna Reed, Andre Simon, Nandor Marczin, Harefield POPSTAR Group

**OA3334** Intra tracheal instillation of BMSC-cm attenuate acute rejection in rat lung allotransplantation
Jaroslav Pierog (Szczecin, Poland), Jaroslav Pierog, Luca Tamo, Gregor Kocher, Richard Fakin, Mathias Gugger, Tomas Grodzki, Thomas Geiser, Amiq Gazdhar, Ralph Alexander Schmid

**OA3335** Epithelial-mesenchymal transition in chronic lung allograft dysfunction. Role of leucocyte microparticles
Benjamin Renaud-Picard (STRASBOURG, France), Benjamin Renaud-Picard, Justine Toussaint, Fatiha El Ghazouani, Florence Toti, Laurence Kessler, Romain Kessler

**OA3336** Effects of infections on lipidomic profile of bronchial washing (BW) and bronchoalveolar lavage (BAL) after lung transplantation
Domenica Federica Briganti (Borgarello, Italy), Domenica Federica Briganti, Beatrice Aramini, Carla Kim, Robin Chan, Bowen Zhou, Sommyma Sreekanth, Kashif Raza, Hilary Robbins, Lori Shah, Selim Arcasoy, Joshua Sonett, Federica Meloni, Gilbert Di Paolo, Frank D’Ovidio

**OA3337** A post-hoc analysis of donor lungs declined for transplantation

**OA3338** Long-term kinetics of CD19+CD24highCD38high Breg cells in lung transplant recipients
Davide Piloni (PAVIA, Italy), Davide Piloni, Monica Morosini, Sara Magni, Alice Balderacchi, Emanuela Cova, Simona Inghilleri, Andrea Maria D’Arminni, Luigia Scudeller, Filippo Antonacci, Tiberio Oggionni, Federica Meloni

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**Room K Session 531 08:30 - 10:30**

**Oral Presentation: Therapeutic trials in lung cancer**

**Chairs:** Jacques Cadranel (Paris, France), Achim Rittmeyer (Immenhausen, Germany)

**OA6010** Introduction: The role of the respiratory physician in therapeutic trials in lung cancer
Achim Rittmeyer (Immenhausen, Germany)

**OA3339** Co-expression of S100A14 and S100A16 is a predictive marker for platinum-based adjuvant chemotherapy in resected lung adenocarcinomas
KEN KATONO (KANAGAWA, Japan), Ken Katono, Yuichi Sato, Shinichiro Ryuge, Ryo Nagashio, Masanori Yokoba, Masato Katagiri, Kazu Shiomi, Yukitoshi Satoh, Noriyuki Masuda

**OA3340** 24h-blood profile gene expression biomarkers of the response to bevacizumab-erlotinib (BE) in advanced non-squamous non-small cell lung cancer (NSCLC)
Florent Baty (St. Gallen, Switzerland), Florent Baty, Martin Früh, Markus Jörger, Martin Brutsche

**OA3341** Gefitinib versus erlotinib as first-line treatment in EGFR mutant advanced lung adenocarcinoma
Chai Chee Shee (Petaling Jaya, Malaysia), Chai Chee Shee, Liam Chong Kin, Pang Yong Kek, Kow Keng Siong, Poh Mau Ern, Wong Chee Kuan, Tuan Jiunn Liang

**OA3342** Afatinib (A) vs gefitinib (G) as first-line treatment (tx) for patients (pts) with EGFR mutation-positive (EGFRm+) NSCLC: LUX-Lung 7
Vera Hirsh (Montreal, QC, Canada), Vera Hirsh, Keunchil Park, Eng-Huat Tan, Li Zhang, Kenneth O’Byrne, Michael Boyer, James Chih-Hsin Yang, Tony Mok, Jean Fan, Dan Massey, Luis Paz-Ares

**OA3343** A case series of eight patients treated with alecetinib including a case of interstitial lung disease
Yoshihiko Sakata (Kumamoto, Japan), Yoshihiko Sakata, Kodai Kawamura, Yuko Yasuda, Naoki Shingu, Keisuke Anan, Kazuya Ichikado

**OA3344** A phase II trial of lipoplatin and gemcitabine in patients with NSCLC previously treated with platinum-based chemotherapy
Marios E. Frourarakis (Alexandroupolis, Greece), Konstantinos Kaltsas, stavros Anevavis, Athanasia Patak, Georgios Koulias, Sofia Pozova, Demosthenes Bouros, Marios Frourarakis
### OA3345

**A phase III randomised trial testing chemotherapy in extensive small-cell lung cancer (SCLC)**

Jean-Paul Sculier (Brussels, Belgium), Jean-Paul Sculier, Jean-Jacques Lafitte, Anne-Pascale Meert, Vicente Giner, Jacques Lecomte, Arnaud Scherpereel, Marianne Paesmans, Nathalie Leclercq, Thierry Berghmans

### Room ICC Capital Suite

**Session 532**

08:30 - 10:30

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### Poster Discussion: Paediatric asthma: recurrent, persistent, or severe obstruction and lung function techniques

**Chairs**: Marielle Pijnenburg (Rotterdam, Netherlands), Florian Singer (Zurich, Switzerland)

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<td>Victorine Roos (Utrecht, Netherlands), Victorine Roos, M. Legemaat, W.A.F. Balemans, K.M. de Winter-de Groot, M.A.J.M. Triebels-Smeulders</td>
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<td><strong>Predictive factors for the development of fixed airway obstruction in asthmatic children and adolescents</strong></td>
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<td>Angela Jamalzadeh (London, United Kingdom), Angela Jamalzadeh, Anja Jochmann, Luca Artusio, Sejal Saglani, Urs Frey, Andrew Bush, Louise Fleming</td>
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<td>PA3349</td>
<td><strong>Patterns of nonadherence in children with severe asthma</strong></td>
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<td><strong>Is it possible to identify phenotypes of problematic severe asthma in children using fluctuation based clustering?</strong></td>
<td>Anja Jochmann (Basel, Switzerland), Anja Jochmann, Luca Artusio, Angela Jamalzadeh, Hoda Sharifian, Andrew Bush, Urs Frey, Edgar Delgado-Eckert, Louise Fleming</td>
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<td>Simonetta Baraldo (Padova, PD, Italy), Simonetta Baraldo, Marco Contoli, Matteo Bonato, Deborah Snijders, Erica Bazzan, Graziella Turato, Chiara Rigobello, Brunilda Marku, Mariaenrica Tiné, Kim Lokar Oliani, Manuel Cosio, Angelo Barbato, Alberto Papi, Marina Saetta</td>
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<td>PA3354</td>
<td><strong>Colonisation with filamentous fungi and acute asthma exacerbations in children</strong></td>
<td>Kathryn G Welsh (Leicester, United Kingdom), Kathryn Welsh, Catherine H. Pashley, Jack Satchwell, Andrew J. Wardlaw, Erol A. Gaillard</td>
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<td>PA3355</td>
<td><strong>Wet cough in paediatric severe therapy resistant asthma (STRA)</strong></td>
<td>Prasad Nagakumar (Birmingham, United Kingdom), Prasad Nagakumar, Habib Ali, Priti Kenia, Satish Rao</td>
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<td>Theodoros Karampitsakos (Thebes, Greece), Theodoros Karampitsakos, Adonis Protopapas, Maria Gianoloudi, Athanasios Chatzimichail, Emmanouil Paraskakis</td>
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<td><strong>Usefulness of exhaled nitric oxide in newborns to predict asthma at school age</strong></td>
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<td><strong>Real-time analysis of exhaled volatile organic compounds (eVOC) in wheezy preschool children</strong></td>
<td>Misty Makinde (Rugby, United Kingdom), Misty Makinde, Karl A. Holden, Sarina Hussain, Timothy Coats, Erol Gaillard</td>
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<td><strong>Use of allergen sensitization and cotinine tests to predict high risk asthma in urban children</strong></td>
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Early bronchial basement membrane thickening does not predict lung function impairment in preschool age
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Medication delivery testing of valved holding chambers (VHCs) with facemask for infant use by means of a model infant face
Jason Suggett (London, Canada), Jason Suggett, Mark Nagel, Val Avvakoumova, Jolyon Mitchell

Effect of interval between actuations of albuterol HFA inhalers on their aerosol characteristics
Ariel Berlinski (Little Rock, United States of America), Ariel Berlinski, David Pennington

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Poster Discussion: Asthma points to ponder
Tag(s) : Healthy Lungs for Life (HLfL)
Chairs : Kristián Brat (Brno, Czech Republic), Andreina Bruno (Palermo, Italy)

Effects of switching inhaled medication from twice a day to once a day in patients with bronchial asthma
Naoto Watanabe (Taito-ku/Tokyo, Japan), Naoto Watanabe, Sohei Makino

Influence of tabacco smoking on asthma control
Angelica Tiotiu (Nancy, France), Angelica Tiotiu, Nathalie Wirth, Yves Martinet

Asthma-associated factors - Potential predictive markers for patients stratification, personalized treatments and prevention
Liudmyla Petrenko (Kyiv, Ukraine), Rostyslav Bubnov, Liudmyla Petrenko

Priorities for asthma R & D in Europe: A systematic approach
Jessica Edwards (London, United Kingdom), Jessica Edwards, Erika Kennington, Nikos Papadopoulos, David Myles, Samantha Walker

Characterization of patients with ACOS - Application of GINA/GOLD questionnaire vs SEPAR criteria
Maria Antónia Glória Galego (Matosinhos, Portugal), Maria Antónia Glória Galego, Daniela Rodrigues, Inês Neves, Ana Paula Vaz, Jorge Ferreira

Codeine for treatment of cough variant asthma
A. Fuat Kalyoncu (ANKARA, Turkey), Tuba Erdogan, Ozge Ozturk Aktas, Ebru Çelebioglu, Gül Karakaya, A. Fuat Kalyoncu

The results of respiratory symptoms automatic calculator application in prophylactic medical examination of adults
Vitaly Mishlanov (Perm, Russian Federation), Vitaly Mishlanov, Anastasia Katkova, Ekaterina Skachkova, Anastasia Telnova

Fatty acid blood spectrum in patients with asthma
Lyudmila Pasiyeshvili (Kharkiv, Ukraine), Lyudmila Pasiyeshvili, Tamara Pasieshvili

The effect of tiotropium bromide on lung function parameters in patients with asthma- COPD overlap syndrome
Ksenia Nazarenko (Kiev, Ukraine), Ksenia Nazarenko, Yurii Feschenko, Liudmyla Iashyna

Management of asthma in patients discharged from A and E
Sean Parker (Morpeth, United Kingdom), Danielle Bell, Dawn Bradford Taylor, Nicola Green, Elizabeth Norman, Chris Biggin, Sean Parker

International perspectives on severe asthma: Current and future challenges in patient care
Andrew Menzies-Gow (London, United Kingdom), Sean Hayes, Sophie Peloquin, Andrew Menzies-Gow, Klaus Rabe, Michel Aubier, Susan Waserman

Nutritional assessment tools, BMI & waist circumference are linked with respiratory illness & also signifies the importance of nutrition in such patients
Hira Subhan (Karachi, Pakistan), Hira Subhan, Syed Ali Abbas, Muhammad Mohsin Bajwa, Aneel Bhagwani

Developing integrated mental health and asthma treatment protocol using quality improvement methods
Jocelyn Fraser (LONDON, United Kingdom), Sophie Jones, Dionne Matthew, Kate Lindley Baron-Cohen, Sarah Elkin, Jocelyn Fraser

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Yasuhito Suzuki (Fukushima-City, Japan), Yasuhito Suzuki, Junpei Saito, Manabu Uematsu, Atsuro Fukuhara, Suguru Sato, Ryuichi Togawa, Yuki Sato, Kenichi Misa, Takefumi Nikaido, Naoko Fukuhara, Xintao Wang, Yoshinori Tanino, Mitsuru Munakata

Effectiveness of omalizumab in Greek patients with severe allergic asthma (SAA): The SMILE study

Petros Galanakis (Athens, Greece), Petros Galanakis, Mina Gaka, Fotios Psarros, Eleftherios Zervas, Eirini Mitsiki, Nikolaos Siafakas

Effectiveness evaluation of anti-IgE treatment at 3\textsuperscript{rd} year: Real life Turkey data

Ayse Arzu Yorgancioglu (ZM R, Turkey), Ayse Arzu Yorgancioglu, Ferda Öner Erkekol, Münevver Erdenç, Dilsad Mungan, Bilun Gemicioğlu, Zeynep Ferhan Ozbeker, Papatyay Bayrak Degirmenci, Sibel Nayci, Aykut Çilli, Füsün Erdener, Cengiz Kirmaz, Dane Ediger, Arzu Didem Yalçın, Suna Büyükoğütürk, Sami Büyükoğütürk, Mustafa Gülteğ, Rana Isik, Ali Fuat Kalyoncu, Özlem Gökşel, Ömür Aydin, Yavuz Havlucu, Idilhan Baloglu Ar, Ahmet Erdogdu

Poster Discussion: Malignant pleural disease: diagnosis and management

Chairs: Julius P. Janssen (Nijmegen, Netherlands), Nick Maskell (Bristol, United Kingdom)

Pleural specialist nurse led ambulatory indwelling pleural catheter service: A 2 year review

Farinaz Noorzad (London, United Kingdom), Farinaz Noorzad, Deepan Sivakumar, Liju Ahmed

Association of biochemical determinants and fibrinous formation in malignant pleural effusion

Amornpun Wongkarnjana (Lopburi, Thailand), Amornpun Wongkarnjana, Noppachan Uaprasert, Kamon Kawkitinarong

Utility of sending pleural fluid for cytology at the time of thoracoscopy and pleural biopsy

Shahul Leyakathali Khan (Newcastle under lyme, United Kingdom), Shahul Leyakathali Khan, Mohammed Haris, Mohammed Munavvar

Lent score validation on patients with malignant pleural effusion

Ioannis Psallidas (Oxford, United Kingdom), Ioannis Psallidas, Nikolaos Kannelakis, Ahmed Yousuf, John Corcoran, Rob Hallifax, John Wrightson, Ambika Talwar, Najib Rahman

Etiology of pleural effusions in a general hospital

Julia Tarrega Camarasa (Granollers, Spain), Julia Tarrega Camarasa, Marc Moreno Ariño, Judith Padros Pedraza, Enric Barbeta Sanchez

Pleural ultrasonic elastography in the diagnosis of malignant pleural effusion

Gang Hou (Shenyang, Liaoning, China), Gang Hou, Bin Jiang, Qing Tian, Tong Zhang, Yan Yin, Wang-shu Song, Jian Kang

Incidence and characteristics of pleural effusions in patients with chronic lymphocytic leukemia- A 16 year experience

Vivek Iyer (Rochester, United States of America), Bibek Pannu, Vivek Iyer, Kari Chaffee, Sara Achenbach, Call Timothy, Tait Shanafelt

Prognostic factors associated to survival in patients with malignant pleural effusion (MPE) undergoing talc poudrage pleurodesis (TPP)

Rocio Magdalena Diaz Campos (Madrid, Spain), Rocio Magdalena Diaz Campos, Maria Victoria Villena Garrido, Enrique Cases Viedma, Jose Manuel Porcel Perez, Immaculada Alfageme Michavila, Carmen Aleman, Francisco Rodriguez Panadero

Talc pleurodesis: It’s not for everyone

Carmen Tan (Singapore, Singapore), Carmen Tan, Mark Tien, Chuen Peng Lee

Pleurodesis success rate for malignant pleural effusions - talc slurry vs. poudrage

Khalis Boksh (Leicester, United Kingdom), Khalis Boksh, Charlotte Swales, Jonathan Bennett, Pranab Haldar, Muhammad Tufail, Rakesh Panchal

Outcome of patients with non specific pleuritis after medical thoracoscopy

Ilias Porfyridis (Nicotia, Cyprus), Ilias Porfyridis, Philip Emmounoul, Rodoula Triggidou, Frangiskos Frangopoulos, Maria Maimari, Panayioti Kara, Andreas Georgiou, Grigoris Stratakos

Role of thorascopic pleural lavage and brush in undiagnosed exudative pleural effusion

ahmed khames (shebin elkom, Egypt), Ahmed Khames, Mohamed Zamzam, Samy Eldahdouh, Hala Elraby, Hana Eid

Ultrasound guided pleural brushing: A new method for obtaining pleural specimen in malignant effusion

Gamal Agmy (Assiut, Egypt), Gamal Agmy, Yousef Ahmed, Alaa Hassan, Gamal Agmy
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**Differences according to age and sex among patients with malignant pleural effusion as a presentation form of cancer**

Maria Teresa Perez Warnisher (Madrid, Spain), Maria Teresa Perez Warnisher, Rosario Melchor, Maite Río, Beatriz Morales, Eva de Santiago, Ismael Ali, Marisi Verdugo, Mercedes Izquierdo, Raquel Pérez, Ignacio Granda, Barbara Steen, Yolanda Martínez, Victoria Villena, Nuria Abaad

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**PA3396**

**Malignant pleural effusion as the initial manifestation of gynecological malignancies**

Maria Teresa Perez Warnisher (Madrid, Spain), Maria Teresa Perez Warnisher, Beatriz Morales, Rosario Melchor, Victoria Villena, Ignacio de Granda, Barbara Steen, Mercedes Izquierdo, Yolanda Martínez, Raquel Pérez, Maite Río, Eva de Santiago, Marisi Verdugo, Ismael Ali, Nuria Abiad

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**PA3397**

**The role of endobronchial ultrasound guided fine needle aspiration in the diagnosis and staging of pleural mesothelioma**

Fusun Alatas (Eskisehir, Turkey), Fusun Alatas, Emine Dundar, Muzaffer Metintas, Huseyin Yildirim, Guntulu Ak

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**PA3398**

**LATE-BREAKING ABSTRACT: Efficacy and safety profile of autologous blood versus talc pleurodesis for malignant pleural effusion**

Apichat Kaewdech (Songkla, Thailand), Apichat Kaewdech, Warangkana Keeratchananont

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**PA3399**

**LATE-BREAKING ABSTRACT: Impact of NSAIDs on success of chemical pleurodesis in malignant pleural effusion**

Maria Anna Smolle (Graz, Austria), Maria Anna Smolle, Holger Flick, Martin Pichler, Horst Olschewski, Jörg Lindenmann, Armin Gerger

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**Room ICC Capital Suite 8  Session 535  08:30 - 10:30**

**Poster Discussion: How the understanding of molecular and genomic crosstalk is helping to diagnose lung disease**

**Chairs:** Kathy Gately (Dublin 8, Ireland), Sukhwinder Singh Sohal (Launceston, Australia)

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**PA3400**

**Impaired coordination of skeletal muscle protein turnover signalling in sarcopenic COPD patients**

Anita Kneppers (Maastricht, Netherlands), Anita Kneppers, Ramon Langen, Harry Gosker, Pieter Leermakers, Marco Kelders, Chiel de Theye, Nanca Cebron Lipovec, Daniel Omersa, Mitja Lainscak, Annemie Schols

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**PA3401**

**Interferon-lambda-genotype GG and IgG2 are predictors for frequent COPD exacerbations in a Swiss multicenter COPD cohort study (TOPDOCS)**

Simona Henny (Basel, Switzerland), Simona Henny, Thomas Dieterle, Thomas Brack, Martin Brutsche, Christian Clarenbach, Adrian Egli, Ingmar Heijnen, Sarosh Irani, Martin Frey, Noriane Sievi, Robert Thurnheer, Marten Trendelenburg, Malcom Kohler, Jörg Leuppi

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**PA3402**

**Activation of skeletal muscle mitophagy in a murine model of pulmonary and systemic inflammation**

Pieter Leermakers (Maastricht, Netherlands), Pieter Leermakers, Alexander Remels, Ramon Langen, Annemie Schols, Harry Gosker

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**PA3403**

**Oral and nasal microbiota in healthy, tobacco smoke COPD (TSCOPD) and biomass smoke COPD (BMSCOPD) subjects from India**

Dhiraj Agarwal (Pune, India), Dhiraj Agarwal, Dhiraj Dhotre, Bill Brashier, Yogesh Shouche, Sanjay Juvekar, Sundeept Salvi

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**PA3404**

**A potential role for extracellular matrix proteins in lung ageing in COPD**

Maaike de Vries (Groningen, Netherlands), Maaike de Vries, Alen Faiz, Dirkje S. Postma, Don D. Sin, Yohan Bossé, David C. Nickle, Wim Timens, Maarten van den Berge, Corry-Anke Brandsma

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**PA3405**

**Increased autophagy and reduced protein synthesis signaling are involved in pulmonary inflammation-induced skeletal muscle atrophy**

Judith Ceelen (Maastricht, Netherlands), Judith Ceelen, Annemie Schols, Nathalie Thielen, Marco Kelders, Chiel de Theye, Ramon Langen

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**PA3406**

**MiR-320c regulates SERPINA1 expression and is associated with pulmonary disease in alpha-1-antitrypsin deficiency**

Beatriz Martinez-Delgado (MADRID, Spain), Nerea Matamala, Álvaro Otero, Irene Vázquez, Diana Retana, Antonio Muñoz-Callejas, Taimara Fernández-González, Beatriz Lara, María Teresa Martínez, Alpha1-Antitrypsin Deficiency Spanish Registry, Beatriz Martinez-Delgado

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**PA3407**

**Transforming Growth factor beta-1 and Smad signaling has the potential to drive EMT-related changes in smokers and COPD**

Malik Quasir Mahmood (Hobart, Tasmania, Australia), Malik Quasir Mahmood, David Reid, Hans Konrad Muller, Darryl Knight, Sukhwinder Singh Sohal, Eugene Haydn Walters
**PA3408**

**Peripheral muscle mitophagy is enhanced in patients with COPD**

Pieter Leermakers (Maastricht, Netherlands), Pieter Leermakers, Annemie Schols, Bram van den Borst, Chiel de Theije, Marco Kelders, Harry Gosker

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**PA3409**

**Histological changes in smoking and COPD mice with short-term exposure of PM 2.5**

Tianyu Zhou (Beijing, China), Tianyu Zhou, Guangfa Wang

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**PA3410**

**Altered circulating exosomal RNA profiles detected by next-generation sequencing in patients with severe asthma**

Masaru Suzuki (Sapporo, Japan), Masaru Suzuki, Satoshi Konno, Hiron Makita, Kaoru Shimizu, Hiroki Kimura, Hirokazu Kimura, Masaharu Nishimura

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**PA3411**

**Non-invasive monitoring of emphysema and muscle wasting during experimental disease exacerbation**

Judith Ceelen (Maastricht, Netherlands), Judith Ceelen, Annemie Schols, Stefan van Hoof, Chiel de Theye, Frank Verhaegen, Ramon Langen

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**PA3412**

**Tryptase+ mast cells associate with fibrotic regions in the lungs of idiopathic pulmonary fibrosis patients; a multiplex staining approach**

Elena Miranda (Cambridge, United Kingdom), Elena Miranda, Rebecca Dunmore, Doris Rassl, Helen Parfrey, Catherine Overed-Sayer, Arthur Lewis, Lorcan Sherry, Matt Sleeman, Richard May, Deborah Clarke

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**PA3413**

**LSC Abstract - Hookworm infection with nippostrongylus brasiliensis is a MyD88-TRIF independent mouse model of emphysema**

Emma Ringqvist (Stockholm, Sweden), Emma Ringqvist, Tara Sutherland, William Wallace, Alison Fulton, Sheepagh Duncan, Nicola Logan, Rick Maizels, Judith Allen

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**PA3415**

**The role of Pten in the cell-fate determination of epithelial cells in lung development**

Ayako Miura (Miyazaki, Japan), Ayako Miura, Hironobu Tsubouchi, Shigehisa Yanagi, Nobuhiro Matsumoto, Masamitsu Nakazato

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**PA3416**

**The role of WNT5a in Th17 asthma**

Tariq Daud (leicester, United Kingdom), Tariq Daud, Aarti Parmar, Amanda Sutcliffe, David Choy, Joseph Arron, Yassine Amrani, Peter Bradding, Salman Siddiqui

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**PA3417**

**Optimization of cfDNA routine use for NSCLC genomic alteration analysis**

Pascale Tomasini (MARSEILLE, France), Pascale Tomasini, Frederic Fina, Clotilde Fournier, Laurent Greillier, L’Houcine Ouaif, Celine Mascaux, Fabrice Barlesi

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**Poster Discussion: Treatment options for obstructive sleep apnoea and obesity hypoventilation**

**Chairs:** Richard Staats (Murches, Portugal), Renaud Tamisier (GRENOBLE, France)

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**PA3418**

**Comparison of peri-pharyngeal muscle recruitment during upper airway obstruction in patients with OSA and healthy subjects during wakefulness and sleep**

Arie Oliven (Haifa, Israel), Arie Oliven, Guy Cohen, Yaniv Dotan, Alan Schwartz

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**PA3419**

**Axonal peripheral nerve demage in obstructive sleep apnea syndrome**

Levent Kart (Istanbul, Turkey), Levent Kart, Ayse Havan, Mehmet Eryilmaz, Fatma Fidan, Hakan Levent Gül

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**PA3420**

**Feasibility and patient tolerability of transcutaneous electrical stimulation in obstructive sleep apnoea**

Kate Reed (London, United Kingdom), Kate Reed, Martino Pengo, Xiao Sichang, Culadeban Ratneswaran, Nimish Shah, Tao Chen, Abdel Douiri, Nicholas Hart, Yuanming Luo, Gerrard Rafferty, Gian Paolo Rossi, Adrian Williams, Michael Polkey, John Moxham, Joerg Steier

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**PA3421**

**The impact of CPAP on circulating IGF-1 in patients with OSAS**

Andreas Palm (Gavle, Sweden), Andreas Palm, Christian Berne, Helena Igelström, Pernilla Åsenlöv, Christer Janson, Eva Lindberg

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**PA3422**

**CPAP impact on memory processes in OSA patients, a randomized sham controlled trial**

Marie JOYEUX-FAURE (GRENOBLE, France), Jean-Louis Pepin, Marie Joyeux-Faure, Bernadette Naegele, Renaud Tamisier, Patrick Levy, Sandrine Launois

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**Does CPAP therapy affect sleep time in patients with obstructive sleep apnea? A prospective study**

Ryo Tachikawa (Kyoto, Japan), Ryo Tachikawa, Takuma Minami, Takeshi Matsumoto, Satoshi Hamada, Kimihiko Murase, Kinomobu Tanizawa, Morito Inouchi, Toru Oga, Michiaki Mishima, Kazuo Chin

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**PA3424**

**Persistent daytime hypercapnia predicts poor prognosis in OSAS undergoing CPAP therapy**

Naoko Kawata (Chiba, Japan), Naoko Kawata, Jiro Terada, Koichiro Tatsumi
**PA3425**

**Automatic bilevel ventilation in sleep-disordered breathing: A real-life experience in southern Italy**

PIERPAOLO BAIAMONTE (Palermo, PA, Italy), Pierpaolo Baiamonte, Claudia I. Gruttad'Auria, Emilia Mazzuca, Alessandra Castrogiovanni, Mario Spatafora, Maria R. Bonsignore

**PA3426**

**The effect of positive airway pressure therapy on neurocognitive functions, depression and anxiety in obesity hypoventilation syndrome**

Fusun Yildiz (KOCael, Turkey), Fusun Yildiz, Serap Argun Baris, Dilek Tuncel, Cigdem Ozerdem, Huseyin Kutlu, Tugba Onylimaz, Ilk nur Basigiyit, Hasim Boyaci

**PA3427**

**Long term effects of compliance with positive airway pressure (PAP) therapy in patients with obesity hypoventilation syndrome (OHS)**

Izolde Bouloukaki (Heraklion, Crete, Greece), Izolde Bouloukaki, Charalampos Mermigkis, Charalampos Protopapadakis, Nikolaos Tzanakis, Stylianos Michelakis, Eleni Mauroudi, Violeta Moniaki, Dimitrios Georgopoulou, Sofia Schiza

**PA3428**

**Does CPAP remote monitoring improves compliance and adherence?**

Francois Clavaud (Salford, United Kingdom), Francois Clavaud, Victoria Cooper

**PA3429**

**Telehealthcare interventions in the management of obstructive sleep apnoea hypopnoea syndrome (OSAHS) in continuous positive airway pressure (CPAP) users - A systematic review**

Phyllis Murphie (Dumfries, United Kingdom), Phyllis Murphie, Stuart Little, Hilary Pinnock, Brian McKinstry

**PA3430**

**Home telemonitoring and adjustment of CPAP settings in patients with sleep apnea**

Jose Maria Montserrat Canal (BARCELONA, Spain), Jose Maria Montserrat Canal, Valentina Isseta, Onintza Garmendia, Pasquale P. Pompilio, Giovanni Tugnolo, Ramon Farre, Raffaele L. Dellaca

**PA3431**

**Telemetryally triggered interventions in the first month of cpap treatment - A prospective, randomized controlled intervention trial in patients with a new diagnosis of obstructive sleep apnea syndrome**

Otto Schoch (St. Gallen, Switzerland), Otto Schoch, Gabriel Benz, Florent Baty, Jolanda Niedermann, Martin Brutsche

**PA3432**

**LATE-BREAKING ABSTRACT: Randomised, sham-controlled, double-blind cross-over trial of transcutaneous electrical stimulation of the pharyngeal dilator muscles in obstructive sleep apnoea**

Martino Pengo (London, United Kingdom), Martino Pengo, Xiao Sichang, Culadeeban Ratneswaran, Kate Reed, Nimish Shah, Tao Chen, Abdel Douiri, Nicholas Hart, Yuanming Luo, Gerard Rafferty, Gian Paolo Rossi, Adrian Williams, Michael Polkey, John Moxham, Joerg Steier

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**Room ICC Capital Suite 9**

**Session 537**

**Poster Discussion: Exploring mechanisms in health and disease**

**Chairs:** Alyn Hugh Morice (Cottingham, United Kingdom), Fabio L. M. Ricciardolo (Orbassano (Turin), Italy)

**PA3433**

**Heart rhythm disorders in patients with chronic obstructive pulmonary disease**

Sergiu Matcovschi (Chisinau, Republic of Moldova), Sergiu Matcovschi, Valentin Calancea, Tatiana Dumitras, Nicolae Bodrug, Doina Barba, Marina Podoroghin

**PA3434**

**Blood eosinophil count as a predictor of obstructive airway disease (OAD) in a high parasite burden setting**

V Pratibh Prasad (Secunderabad, India), V. Pratibh Prasad, Jai Mullerpattan, Radhika Banka, Avinash Gandhare, Lancelot Pinto

**PA3435**

**The pulmonary artery-aorta ratio, exacerbation rate and quality of life in stable COPD patients**

Hassan Ghabadi-Marallu (Ardabil, Islamic Republic of Iran), Hassan Ghabadi-Marallu, Hamid Janbazi, Shahrzad M. Lari

**PA3436**

**A neo-epitope of collagen type VII (C7) is elevated in serum of patients with COPD and SSC**

Jannie Sand (Herlev, Denmark), Jannie Marie Bülow Sand, Patricia Lamy, Morten Asser Karsdal, Diana Julie Leeming

**PA3437**

**Does higher DECAF score increase length of hospital stay in acute exacerbation of COPD?**

Rajesh Kumar Yadavilli (Sale, United Kingdom), Rajesh Kumar Yadavilli, Nirav Shah, Chris Craig, Lucy Collier

**PA3438**

**Phenotypic predictors of chronic obstructive pulmonary disease exacerbations in the BIOAIR study**

Karin Strandberg (Uppsala, Sweden), Karin Strandberg, Christer Janson, Barbro Dahlén, Maciek Kupczyk, Sven-Erik Dahlén, On Behalf of the BIOAIR Consortium

**PA3439**

**Regional lung function determined by electrical impedance tomography in lung-healthy adults**

Barbara Vogt (Kiel, Germany), Barbara Vogt, Kathinka Ehlers, Victoria Henning, Norbert Wellar, Inez Freirichs

**PA3440**

**Multiple breath washout (MBW) using sulfur hexafluoride - Proof of concept in COPD**

Frederik Trinkmann (Mannheim, Germany), Frederik Trinkmann, Daniel Saur, Katharina Roth, Martin Borrgreve, Jens J. Kaden, Julia D. Michels, Joachim Saur
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<thead>
<tr>
<th>ID</th>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>PA3441</td>
<td>Does positive bronchodilator reversibility testing predict positive bronchoprovocative methacholine challenge testing in suspected asthma patients</td>
<td>Nataša Karamarković, Lazarušić (Zagreb, Croatia), Nataša Karamarkovic Lazarušic, Bojana Butorac Petanjek, Anita Ljubicic, Melita Jerić</td>
</tr>
<tr>
<td>PA3442</td>
<td>Gender difference in asthma; symptoms, risk factors, comorbidities and emergency visits</td>
<td>Bilun Gemicigolu (STANBUL, Turkey), Bilun Gemicigolu, Benan Musellim, Onur Merzifonlu, Ipek Calik, Ayse Firuze Ozgokce</td>
</tr>
<tr>
<td>PA3443</td>
<td>Comorbit coronary artery disease is related to worse outcomes in patients hospitalised for COPD exacerbation</td>
<td>Andriana Papaioannou (Vrilissia, Athens, Greece), Andriana Papaioannou, Konstantinos Bartziokas, Stelios Loukides, Stamatalou Tsikrika, Foteini Karakontaki, Aiakaterini Haniotou, Spyros Papiris, Konstantinos Kostikas</td>
</tr>
<tr>
<td>PA3444</td>
<td>Midrange-proadrenomedullin in stable state predicts severe exacerbation of COPD</td>
<td>Emanuel Citgez (Wierden, Netherlands), Emanuel Citgez, Job van der Palen, Paul van der Valk, Marjolein Brusse-Keizer</td>
</tr>
<tr>
<td>PA3445</td>
<td>Different chronic obstructive pulmonary disease phenotypes, systemic inflammation and the risk of falls</td>
<td>Emanuela Tudorache (Timisoara, Romania), Emanuela Tudorache, Cristian Oancea, Alexandru Crisan, Camelia Pescaru, Ovidiu Fira-Mladinescu, Voicu Tudorache</td>
</tr>
<tr>
<td>PA3446</td>
<td>Static hyperinflation and respiratory disability were associated with frequent-exacerbation phenotype in patients with severe COPD</td>
<td>Alberto Capozzolo (Bari, Italy), Alberto Capozzolo, Pierluigi Carratu, Giorgio Castellana, Giuseppina D’Alba, Ruben Infantino, Michele Maiellari, Lorenzo Marra, Maria Rosaria Vulpi, Vito Liotino, Onofrio Resta</td>
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<tr>
<td>PA3447</td>
<td>Uncovering the reality of life with severe asthma</td>
<td>Juliet Foster (Sydney, Australia), Juliet Foster, Vanessa McDonald, Michael Guo, Helen Reddel</td>
</tr>
<tr>
<td>PA3448</td>
<td>Performance characteristics of an ECL immunoassay for the quantitation of serum peristin</td>
<td>Ruediger Laubender (Penzberg, Germany), Stefan Palme, Robert H. Christenson, Saeed A. Jortani, Richard E. Ostlund, Ruediger Kolm, Guido Kopal, Ruediger P. Laubender</td>
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<tr>
<td>PA3449</td>
<td>LSC Abstract - Macrophage phenotype changes within the small airway wall in smokers and chronic obstructive pulmonary disease</td>
<td>Kielan McAlinden (Geelong, Australia), Kielan McAlinden</td>
</tr>
<tr>
<td>PA3450</td>
<td>Day-to-day variability of inspiratory resistance: A sensitive and specific marker of asthma</td>
<td>Alessandro Gobbi (Milan, Italy), Alessandro Gobbi, Carlo Gulotta, Bela Suki, Enrico Mellano, Michele Vitacca, Fausto Colombo, Riccardo Pellegrino, Vito Brusasco, Raaffaele Dellaca’</td>
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**Day-to-day variability of inspiratory resistance: A sensitive and specific marker of asthma**

Aims: In 2015, major advancements in pulmonary endoscopy were marked by high impact publications. In this session, we aim to share these novel advancements with the pulmonary community. In particular, important diagnostic and therapeutic endoscopic advancements in the fields of emphysema, asthma, interstitial lung disease, and lung cancer will be discussed.

**Tag(s):** Clinical

**Target audience:** Clinician, Fellow, Immunologist, Junior member, Microbiologist, Pulmonologist, Radiologist, Resident, Respiratory physician, Student, Thoracic endoscopist, Trainee

**Chairs:** Jouke T. Annema (Amsterdam, Netherland), Pallav L. Shah (London, United Kingdom)

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<th>Time</th>
<th>Speaker</th>
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<tr>
<td>10:45</td>
<td>When to freeze?</td>
<td>South Gallery Room 7-8</td>
<td>3464</td>
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<td></td>
<td>Venerino Poletti (Forli, Italy)</td>
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<tr>
<td>11:15</td>
<td>When to heat?</td>
<td>ICC Auditorium</td>
<td>3465</td>
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<td>Robert Niven (MANCHESTER, United Kingdom)</td>
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<td>11:45</td>
<td>When to block?</td>
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<td>Dirk-Jan Siebos (Groningen, Netherlands)</td>
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<tr>
<td>12:15</td>
<td>When to dig?</td>
<td></td>
<td>3467</td>
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<td></td>
<td>Maren Schuhmann (Heidelberg, Germany)</td>
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</table>
### Symposium: The management of acute exacerbations of COPD

**Aims:** This session will provide an update on the useful non-pharmacological and pharmacological strategies for preventing acute exacerbations of COPD (AECOPD); describe the complex consequences of AEs; detail how current interventions can be adapted to meet the needs of patients following an AECOPD; and discuss the application of distance interventions and the role of modern technology in post-AE care.

**Tag(s):** Clinical

**Target audience:** Allied health professional, Clinician, Fellow, General practitioner, Junior member, Lung function technician, Nurse, Patient, Physiologist, Physiotherapist, Public health official, Pulmonologist, Researcher, Respiratory physician, Respiratory therapist, Scientist, Student

**Chairs:** Matthew Maddocks (London, United Kingdom), Thierry Troosters (Leuven, Belgium)

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<th>Time</th>
<th>Title</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>10:45</td>
<td>Patient’s testimonial</td>
<td>Chris Warburton (London, United Kingdom)</td>
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<tr>
<td>10:57</td>
<td>Identifying novel targets of acute exacerbations</td>
<td>Louise Donnelly (London, United Kingdom)</td>
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<tr>
<td>11:24</td>
<td>The extra-pulmonary consequences of an exacerbation</td>
<td>Milo Puhan (Zürich, Switzerland)</td>
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<tr>
<td>11:51</td>
<td>Adapting interventions to meet the patients’ needs after an AE</td>
<td>Samanta Harrison (Middlesborough, United Kingdom)</td>
<td></td>
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<tr>
<td>12:18</td>
<td>The prevention of AECOPD</td>
<td>Judith Garcia Aymerich (BARCELONA, Spain)</td>
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### Symposium: Oligometastasis: postmodern multimodality concepts

**Aims:** To show how the highly individualised approaches to oligometastic situations will change as drug or targeted treatment modalities advance.

**Track(s):** Oncology

**Tag(s):** Clinical

**Target audience:** Clinician, Oncologist, Pathologist, Pulmonologist, Radiologist, Thoracic endoscopist, Thoracic surgeon

**Chairs:** Erik Jakobsen (Odense C, Denmark), Rafael Rosell (Barcelona, Spain)

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<th>Time</th>
<th>Title</th>
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<tbody>
<tr>
<td>10:45</td>
<td>What are oligometastases?</td>
<td>Joachim Pfannschmidt (BERLIN, Germany)</td>
<td></td>
</tr>
<tr>
<td>11:15</td>
<td>Genetics and evolution of primaries and oligometastases</td>
<td>Françoise Galateau-Salle (CAEN, France)</td>
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<tr>
<td>11:45</td>
<td>A new definition of multimodality treatment</td>
<td>Rudolf M. Huber (München, Germany)</td>
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<tr>
<td>12:15</td>
<td>Gamma knife versus scalpel: the contest of disciplines</td>
<td>Dirk R. de Ruyscher (Leuven, Belgium)</td>
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### Symposium: Endotyping: the means to personalised medicine in lung disease

**Aims:** The aims of the session are to present the concept of endotyping in lung disease, describe how combinations of clinical and ‘omic data and detailed bioinformatics analyses of biomarkers can be used to endotype lung diseases.

**Tag(s):** Translational

**Target audience:** Allergologist, Clinician, Fellow, General practitioner, Junior member, Patient, Pharmaceutical industry representative, Pulmonologist, Respiratory physician, Scientist

**Chairs:** Kian Fan Chung (London, United Kingdom), Mina Gaga (Athens, Greece)

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<tbody>
<tr>
<td>10:45</td>
<td>Defining endotyping airway diseases</td>
<td>Gary P. Anderson (Parkville, Australia)</td>
<td></td>
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<tr>
<td>11:15</td>
<td>Application of personalised medicine in lung cancer</td>
<td>Juergen Wolf (Cologne, Germany)</td>
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</table>
The omics approach to defining endotypes and personalising treatment pathways in asthma
Sally Wenzel (Pittsburgh, United States of America)

The future of personalised medicine in COPD
Alvar Agusti Garcia-Navarro (Barcelona, Spain)

Room A  Session 554  10:45 - 12:45

Symposium: Childhood wheeze: are we making any progress?
Aims: The aim of this session is to discuss the progress in the management of preschool wheezing; describe the importance of the basics right for childhood asthma management; detail the modern approaches to phenotyping; and discuss future strategies for modifying the disease.

Track(s): Paediatric
Tag(s): Translational
Target audience: Allied health professional, General practitioner, Junior member, Nurse, Paediatrician, Patient, Physiotherapist, Psychologist, Student

Chairs: Gunilla Hedlin (Stockholm, Sweden), Sejal Saglani (London, United Kingdom)

10:45  Eosinophils are out of fashion: the only way forward is to target the neutrophils
Avraham Beigelman (Washington, United States of America)

11:15  Asthma diagnosis and monitoring: do we have anything useful in addition to history and examination?
Karin C. Lodrup Carlsen (Oslo, Norway)

11:45  Translational approaches to decipher mechanisms: does innate immunity affect disease onset or persistence?
Bianca Schaub (Germering, Germany)

12:15  Future directions: preventing and treating asthma
Jonathan Grigg (London, United Kingdom)

Room B  Session 555  10:45 - 12:45

Symposium: Microbiome in health and in disease
Aims: The aim of this session is to give participants insight in the latest developments related to environmental and respiratory microbiome research, in particular focussed on the respiratory microbiome.

Track(s): Epidemiology / Environment, Infection
Tag(s): Basic science
Target audience: Allied health professional, Clinician, Epidemiologist, Fellow, Immunologist, Microbiologist, Paediatrician, Public health official, Researcher, Respiratory physician, Scientist, Student

Chairs: Ruby Pawankar (Tokyo, Japan), Oliver Eickelberg (Munich, Germany)

10:45  Effect of the microbiome on early life
Erika von Mutius (Munich, Germany)

11:15  Microbiome and early origins of lung disease
Debby Bogaert (Utrecht, Netherlands)

11:45  The airway microbiota: a key regulator of homeostasis and fibrosis
Eric Bernasconi (Lausanne, Switzerland)

12:15  Gut microbiome in COPD
Philip Hansbro (Callaghan, Australia)

Platinum Room 1+2  Session 556  10:45 - 12:45

Symposium: Hypoxia, the carotid body, and the brain
Aims: The carotid body is a small organ of great physiological importance because it is the main sensor of hypoxia in the body. New data suggest that the carotid body plays a complex role in the modulation of sympathetic activity in response to not only hypoxia but also metabolic stimuli. This session will discuss the clinical implications of the most recent research, with special emphasis on the role of the carotid body in patients with sleep-disordered breathing. This session will also expand our understanding of the consequences of impaired blood gases in the brain in patients with respiratory diseases. The audience will leave the session with a better understanding of the mechanisms that underlie the functional handicaps of respiratory patients, and the new opportunities in treatment and patient management.
### Track(s): Physiology

**Tag(s):** Basic science

**Target audience:** Intensivist/critical care physician, Junior member, Lung function technician, Physiologist, Pulmonologist, Respiratory physician, Scientist, Sleep specialist/technologist, Trainee

**Chairs:** Susan Ward (Crickhowell, United Kingdom), Graham Hall (West Perth, Australia)

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<th>Speaker(s)</th>
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<tr>
<td>10:45</td>
<td>The carotid body and hypoxia-induced sympathetic stimulation</td>
<td>Nanduri R Prabhakar (Chicago, United States of America)</td>
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<tr>
<td>11:15</td>
<td>Effect of insulin on the carotid body: how dysmetabolic states affect sympathetic stimulation</td>
<td>Silvia Conde (Lisbon, Portugal)</td>
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<tr>
<td>11:45</td>
<td>Hypoxic brain</td>
<td>Samuel Verges (Grenoble, France)</td>
</tr>
<tr>
<td>12:15</td>
<td>Effect of interventions on cerebral oxygenation in patients with COPD</td>
<td>J. Alberto Neder (Kingston, Canada)</td>
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**Platinum Room 3+4 Session 557 10:45 - 12:45**

**Hot topics: The future is now: the challenge of ageing in respiratory medicine**

**Aims:** To discuss the most recent epidemiological data on ageing and multimorbidity and its effects on chronic lung disease; present the hallmarks of ageing at the organ and cellular levels; highlight the fact that ageing is a risk factor for chronic lung disease; and identify the potential consequences of ageing on therapy.

**Tag(s):** Translational

**Chairs:** Leonardo Michele Fabbri (Modena, Italy), Melanie Koenigshoff (Munich, Germany)

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<tr>
<td>10:45</td>
<td>The ageing population</td>
<td>Annette Peters (Munich, Germany)</td>
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<tr>
<td>11:15</td>
<td>Cellular mechanisms of aging</td>
<td>Mauricio Rojas (Pittsburgh, United States of America)</td>
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<tr>
<td>11:45</td>
<td>Aging in lung disease</td>
<td>William MacNee (Edinburgh, Scotland, United Kingdom)</td>
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<tr>
<td>12:15</td>
<td>Therapeutic approaches to lung aging</td>
<td>Peter J. Barnes (London, United Kingdom)</td>
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### Room C Session 558 10:45 - 12:45

**Oral Presentation: New approaches and finding in smoking cessation**

**Chairs:** Paraskevi Katsaounou (Athens, Greece), Bertrand Dautzenberg (Paris, France)

- **OA3497** Smoking cessation using the gamification of mHealth apps: A longitudinal qualitative study
  - Yusuf Sherwani (London, United Kingdom), Yusuf Sherwani, Mohammed Muntasir, Maroof Ahmed, Abdulrahman El-Hilly, Sheeraz Iqbal, Sarim Siddiqui, Zaid Al-Fagih, Andreas Eisingerich, Omar Usmani

- **OA3498** Smoking prevention using experiential learning in children aged 5-9 yo
  - Paraskevi Katsaounou (Athens, Greece), Dimitra Mpousiou, Theodora Katsaounou, Michalis Toupniss, Areti Karathanasi, Anna Karakatsini, Christina Gratziou, Spyridon Zakynthinos, Paraskevi Katsaounou

- **OA3499** A cute effect of smoking and its abstinence on dietary intake and appetite
  - Konstantina Zachari (Athens, Greece), Konstantina Zachari, Costas A. Anastasiou, Maria Sidiropoulou, Paraskevi Katsaounou, Roxani Tenta, Mary Yannakoula

- **OA3500** Weighted smoking score: Measuring the benefits of quitting smoking in COPD
  - Lucretia Udrescu (Timisoara, Romania), Lucretia Udrescu, Mihai Udrescu, Stefan Mihaicuta

- **OA3501** A follow-up study (MARKO) supports the need to change the diagnostic criteria for COPD
  - Marina Labor (Osijek, Croatia), Marina Labor, Zarko Vrba, Ivan Gudelj, Slavica Labor, Iva Juric, Davor Plavec

- **OA3502** Dynamics of exhaled breath temperature (EBT) after a smoked cigarette
  - Marina Labor (Osijek, Croatia), Iva Juric, Marina Labor, Slavica Labor, Davor Plavec
Effects of sodium hypochlorite and cigarette smoke on lung function and behavior of Wistar rats
Soraia Nogueira Felix (SAO PAULO/SP, Brazil), Soraia Nogueira Felix, Renata Pandolpho, Andrezza Luiza Moreira, Isabela Campaner Macenço, Larissa Baptista Benittes, Francine Maria da Almeida, Isabella Santos de Genaro, Fernanda Arantes, Milton de Arruda Martins, Gilberto Fernando Xavier, Iolanda de Fátima Lopes Calvo Tibério, Beatriz Mangueira Saraiva Romanholo

Room G  Session 559  10:45 - 12:45

Oral Presentation: From microimaging to functional evaluation of the lung
Chairs: Johan Coolen (Leuven, Belgium), Aleksandar Grgic (Homburg/Saar, Germany)

OA 3504  LATE-BREAKING ABSTRACT: Diffusion-weighted hyperpolarised gas MRI in idiopathic pulmonary fibrosis: Reproducibility and clinical significance
Nicholas Weatherley (Sheffield, United Kingdom), Nicholas Weatherley, Fung Chan, Neil Stewart, Laura Saunders, Guilhem Collier, Graham Norquay, Madhweshwara Rao, Matthew Austin, Stephen Bianchi, Jim Wild

OA 3505  Longitudinal assessment of lung fibrosis by micro CT correlates with histological evaluation in bleomycin-induced mice
Fabio Stellari (parma, Italy), Gino Villetti, Yanto Ridwan, Sasha Belenkov, Jeroen Essers, Francesca Ruscitti, Francesca Ravenetti, Paula Van Heiningen, Wim Wos, Cedric Van Holsbeke, Maurizio Civelli, Fabio Stellari

OA 3506  A functional imaging study to investigate the relationship between pulmonary inflammation and systemic inflammation in COPD patients
Marie Fisk (Bishops Stortford, United Kingdom), Marie Fisk, Divya Mohan, Christopher Coello, Fred Wilson, Philip Murphy, Carmel M. McIntyre, John Cockcroft, Jonathan Fulld, Ruth Tal-Singer, Michael I. Polkey, Ian B. Wilkinson, Joseph Cherian

OA 3508  Comparison of EBUS and HRCT in assessment of airway wall in asthma and COPD
Katarzyna Goszka (Warsaw, Poland), Katarzyna Goszka, Piotr Korczynski, Michal Mierzejewski, Justyna Kosciauch, Malgorzata Zlukowska, Marta Maskey-Warzechowska, Rafał Krenke

OA 3509  Bronchoarterial ratio in never smokers: Implications for bronchial dilation definition
Alejandro A. Diaz (Arlington, United States of America), Alejandro A. Diaz, Thomas P. Young, George R. Washko, San Jose Estepa Raul

OA 3510  Influence of bronchodilator usage for the cross-sectional area of small pulmonary vessels in COPD patients
MASAO TAKEMURA (Kanagawa, Japan), Masao Takemura, Hiroki Nishine, Shin Matsuoka, Takeo Inoue, Masamichi Mineshita, Terumichi Miyazawa

OA 3511  Change in right atrial minimal volume is a prognostic marker in pulmonary arterial hypertension (PAH)
Euan Tubman (Sheffield, United Kingdom), Euan Tubman, Tom Sproson, Dave Capener, Robin Condliffe, Charlie Elliot, Athanasios Charalampopolous, David Kiely, Jim Wild, Andy Swift

Room D  Session 560  10:45 - 12:45

Oral Presentation: Drug-resistant tuberculosis and experiences with delamanid and bedaquiline
Chairs: Christoph Lange (Borstel, Germany), Keertan Dheda (Cape Town, South Africa)

OA 3512  Preventing MDR-TB in Europe: Drug sensitivities received after the initial phase of treatment
Graham H. Bothamley (London, United Kingdom), Graham H. Bothamley, Christoph Lange

OA 3513  Treatment interruptions in patients with MDR/XDR-TB: risk factors and impact on treatment outcomes
Yana Batyrshina (Novosibirsk, Russian Federation), Yana Batyrshina

OA 3514  Efficacy and safety of modified anti-tubercular treatment(ATT) regimens in treatment of tuberculosis(TB) in patients with underlying chronic liver disease(CLD)
Sachin Kumar (Raipur, India), Sachin Kumar, Naveen Kumar, Shiv Sarin

OA 3515  Use of delamanid for M/XDR-TB treatment under programmatic conditions in Latvia
Linda Barkane (Riga, Latvia), Linda Barkane, Liga Kuksa, Gunta Kirvelaite, Zita Lauska, Vaira Leimeane

OA 3516  Steps of bedaquiline implementation in Georgia
Nana Kiria (TBILISI, Georgia), Nana Kiria, Zaza Avaliani, Lali Mikashvili

OA 3517  Compassionate use of bedaquiline in a cohort of Indian drug resistant tuberculosis(DR-TB) patients
Jai Mullerpattan (Mumbai (Maharastra ), India), Zarir Udwadia, Jai Mullerpattan, Shashank Ganatra, Rohit Amale

OA 3518  Bedaquiline-containing regimens for MDR TB treatment - Focus on the safety
Sergey Borisov (Moscow, Russian Federation), Sergey Borisov, Alexey Filippov, Taisiya Ivanushkina, Diana Ivanova, Nataliya Litvinova
**Room M**  
**Session 561**  
10:45 - 12:45

**Oral Presentation: Non-inflammatory COPD monitoring**  
**Chairs:** Jose Luis Lopez-Campos Bodineau (Seville, Spain), Antonio Spanevello (Milano, MI, Italy)

**OA3519**  
**LATE-BREAKING ABSTRACT:** Randomised controlled trial of telemonitoring with addition of daily forced oscillation in older people with COPD and co-morbidity  
Paul Walker (Wirral, United Kingdom), Pasquale Pomplio, Paolo Zanaboni, Trine Bergmo, Tanja Grzetic Romcevic, Valentina Isseta, Christe Janson, Andrei Malinovschi, Dorijan Marusic, Jo Middlemass, Josep Montserrat, Giulia Munaro, Kauk Prik, Ruth Sepper, A. Nirosphan Soriwardena, Peter Calverley, Raffaele Dellaca, Roberto Rosso, Paul Walker

**OA3520**  
**Airway wall response to deep inspiration in COPD**  
Alvenia Cairncross (Perth, Australia), Alvenia Cairncross, Robyn Jones, Alan James, John Elliot, Howard Mitchell, Peter Mcfawn, Peter Noble

**OA3521**  
**Applying telemonitoring (TM) post-admission for COPD, at scale: Preliminary findings from a large European trial**  
Keir E Lewis (Dyfed, Wales, United Kingdom), Keir E. Lewis, Frode Gallefos, Hugh Brown, Panos Stafylas, Kristian Kidholm, Susana Nocello, Leo Lewis

**OA3522**  
**In active and former smokers with CT detected emphysema but without airway obstruction, the presence of an abnormal DLco is associated with a worse clinical presentation**  
JESSICA GONZALEZ GUTIERREZ (Mutxilba baja (Pamplona), Spain), Jessica Gonzalez Gutierrez, Marta Marin Oto, Arantza Campo, Javier Zulueta, Ana Belen Alcaide, Juan Bertó, Juan Pablo De Torres

**OA3523**  
**Effect of dual bronchodilatation with indacaterol/glycopirronium on small airways resistance in patients with stable COPD**  
Francesca Simioli (Naples, Italy), Francesca Simioli, Maria Martino, Giacomo Spurio Vennarucci, Lucia Morrone, Antonio Molino, Mauro Mornmille, Anna Agnese Stanziola, Maria D’Amato

**OA3524**  
**Characteristics and longitudinal progression of COPD GOLD B**  
Philip Lawrence (Liverpool, United Kingdom), Philip Lawrence, Umme Kolsum, Vandana Gupta, Gavin Donaldon, Richa Singh, Bethan Barker, Leena George, Adam Webb, Chris Brightling, Jadwiga Wedzicha, Dave Singh

**OA3525**  
**Increased small intestinal permeability during severe acute exacerbations of COPD**  

**OA3526**  
**Assessment of quality of life (SGRQ) in patients with alpha-1-antitrypsin deficiency- Analysis from the German registry**  
Sebastian Fähndrich (Homburg/Saar, Germany), Nikolas Bernhard, Sebastian Fähndrich, Philipp M. Lepper, Claus Vogelmeier, Robert Bals

---

**Room P**  
**Session 562**  
10:45 - 12:45

**Oral Presentation: How to choose the best strategy with noninvasive ventilation?**  
**Chairs:** Lara Pisani (Bologna, BO, Italy), João Carlos Winck (Vila Nova de Gaia, Portugal)

**OA3527**  
**LATE-BREAKING ABSTRACT:** Improving admission free survival with home mechanical ventilation (HMV) and home oxygen therapy (HOT) following life threatening COPD exacerbations: HoT-HMV UK Trial NCT00990132  
Patrick B. Murphy (Oxted, United Kingdom), Patrick Murphy, Gill Arbane, Stephen Bourke, Peter Calverley, Lee Dowson, Nick Duffy, G. John Gibson, Phil Hughes, John R. Hurst, Keir Lewis, Rahul Mukherjee, Annabel Nickol, Nicholas Oscroft, Justin Pepperell, Sunita Rehal, Ian Smith, John Stradling, Wisia Wedizcha, Michael Polkey, Mark Elliott, Nicholas Hart

**OA3528**  
**The unmet needs of home mechanical ventilator users in Europe: The patients' perspective**  
Sarah Masefield (Sheffield, United Kingdom), Sarah Masefield, Michele Vitacca, Nico Ambrosino

**OA3529**  
**Non-invasive ventilation in acute respiratory failure: Effects of modes, obesity and body position**  
Murat TÜRK (KAYSER , Turkey), Murat Türk, Gül Gürsel, Müge Aydogdu

**OA3530**  
**Surface respiratory EMG during different settings of non-invasive ventilation in stable COPD**  
Marieke L. Duiverman (Groningen, Netherlands), Marieke L. Duiverman, Anouk S. Huberts, Gerrie Bladder, Peter J. Wijkstra

**OA3531**  
**Fiberoptic bronchoscopy (FBO) as rescue-strategy for non-invasive ventilation (NIV) failure in acute respiratory failure (ARF) in a respiratory intensive care unit (RICU)**  
Raffaele Scala (Arezzo, Italy), Raffaele Scala, Uberto Maccari, Giuseppina Ciarleglio, Valentina Granese, Francesco Costa, Claudia Maggiorelli, Chiara Madioni
**Room K**

**Session 563**

10:45 - 12:45

**Oral Presentation: Novel mechanisms and therapeutic targets in acute and chronic inflammatory disease**

**Chairs:** Stefan Uhlig (Aachen, Germany), Reinoud Gosens (Groningen, Netherlands), Alexander Mathioudakis (Manchester, United Kingdom)

**OA3535**

**LATE-BREAKING ABSTRACT: Andrographolide helps steroid-resistant cigarette smoke-induced lung injury model to regain steroid sensitivity**

Wupeng Liao (Singapore, Singapore), Wupeng Liao, Wan Shun Daniel Tan, Wai-Shiu Fred Wong

**OA3536**

**LATE-BREAKING ABSTRACT: Activation of MTOR in pulmonary epithelium promotes LPS-induced acute lung injury**

Yue Hu (Hangzhou, China), Yue Hu, Lou Jian, Yuan-Yuan Mao, Tian-Wen Lai, Li-Yao Liu, Chen Zhu, Chao Zhang, Liu Juan, Wen Li, Song-Min Ying, Zhi-Hua Chen, Hua-Hao Shen

**OA3537**

**LATE-BREAKING ABSTRACT: DS102: A bioactive lipid for the treatment of chronic pulmonary disorders**

David Coughlan (Dublin, Ireland), Robert Lumsden, David Coughlan, Mehar Manku, John Climax

**OA3538**

**LATE-BREAKING ABSTRACT: TSLP as a potent activator of Th2 response in obstructive lung diseases**

Patrycja Nejman-Gryz (Warsaw, Poland), Patrycja Nejman-Gryz, Katarzyna Górka, Magdalena Papińska-Goryca, Małgorzata Proboszcz, Rafał Krenke

**OA3539**

**LATE-BREAKING ABSTRACT: Induction of granulocyte apoptosis by Bcl-2 inhibitors reduces steroid-insensitive airway inflammation**

Bao-ping Tian (Hangzhou, China), Bao-ping Tian, Songmin Ying, Hua-Hao Shen

**OA3540**

**LATE-BREAKING ABSTRACT: Organophosphorus pesticides induce airway hyperreactivity via stimulation of alveolar macrophage Mac-1**

Becky Proskocil (Portland, United States of America), Becky Proskocil, Donald Bruun, Pamela Lein, David Jacoby, Allison Fryer

**OA3541**

**LATE-BREAKING ABSTRACT: Inhibition of TRPA1 reduces airway inflammation and airway hyperresponsiveness in a murine model of allergic rhinitis**

Zhangfu Fang (GuangZhou, China), Zhangfu Fang, Fagui Chen, Fang Yi, Huasi Zhao, Chuoqin Huang, Chenhui Li, Jiaxing Xie, Kefang Lai, Nanshan Zhong

**OA3542**

**LATE-BREAKING ABSTRACT: Effect of inhaled kinase inhibitor on airway inflammation assessed in induced sputum after challenge with inhaled lipopolysaccharide**

Brian Leaker (London, United Kingdom), Brian Leaker, Grant Nicholson, Caryn Petersen, Alyssa Panitch, Colleen Brophy, Cynthia Lander

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**Room ICC Capital Suite**

**Session 564**

10:45 - 12:45

**Poster Discussion: Epidemiological and clinical data regarding the modern management of chronic lung diseases**

**Chairs:** Dario Olivieri (Parma, Italy), Nikolaos Tzanakis (Heraklion, Greece)

**PA3543**

**Pulmonary thromboembolism (PE) in patients with interstitial lung diseases (ILD)**

Olga P. Baranova (Saint Petersburg, Russian Federation), Olga P. Baranova, Lubov Novikova, Alexandra Speranskaya, Valentina Zolotnitiskaya, Vitalij Perlej, Alexej Gichkin

**PA3544**

**Erdheim-Chester disease: Patterns and pulmonary involvement**

Felicia Teo (Singapore, Singapore), Felicia Teo, Annie Law, Michelle Poon, Ching Ching Ong, Cynthia Chee, Gin Tsen Chai
Incidence of Arnold’s nerve reflex in patients with chronic cough
Peter Dicpinigaitis (New York, United States of America), Peter Dicpinigaitis

Cough clinical practice guidelines: A critical review of scientific evidence and recommendations
Mei Jiang (Guangzhou, China), Mei Jiang, Weijie Guan, Zhangfu Fang, Kefang Lai, Nanshan Zhong

Symptoms of autonomic dysfunction in chronic cough patients
Jaclyn Smith (Manchester, United Kingdom), Rachel Dockry, Carmen Gibbard, Joanne Mitchell, Douglas Corfield, Jaclyn Smith

The role of intratracheal dilation - Injection technique in treatment of granulomatosis with polyangiitis (GPA) patients with subglottic stenosis
Justyna Fijoek (Warszawa, Poland), Justyna Fijolek, Elzbieta Wiatr, Dariusz Gawryluk, Magdalena Maria Martusewicz-Boros, Tadeusz Maria Orłowski, Dariusz Dziedzic, Małgorzata Polubieć-Kownacka, Karina Onisz, Renata Langfort, Kazimierz Roszkowski-Sliż

Levodropropizine effect on respiratory centre output, a randomized clinical trial
Federico Saibene (Milan, Italy), Federico Saibene, Claudia Mannini, Federico Lavorini, Luigi Lavorini, Luigi Lanata, Giovanni Fontana

Retrospective observational evaluation of the adult in-patient oxygen weaning process and causes for delay
Nan Ma (London, United Kingdom), Nan Ma, Ravi Goparaju Reddy, Liju Ahmed

Real-time determination of slightly volatile amino acids in the exhalome by secondary electrospray ionization. A proof-of-principle study
Thomas Gaisl (Zurich, Switzerland), Thomas Gaisl, Diego García-Gómez, Lukas Bregy, Alessio Cremonesi, Pablo Martínez-Lozano Sinues, Malcolm Kohler, Renato Zenobi

Symptoms of exercise-induced bronchoconstriction in skiers and biathletes
Lidiya Nikitina (Khanty-Mansi Autonomous Okrug, Russian Federation), Lidiya Nikitina, Svetlana Soodaeva, Fedor Petrovsky, Yulia Petrovskaia, Tatiana Shashkova, Maria Glukhova

Relationship between the type of lipid intake and endothelial function in respiratory failure patients
Edna Contreras Ramirez (Puebla, Mexico), Edna Contreras Ramírez, Dulce Gonzalez-Islas, Arturo Orea-Tejeda, Juan Pineda-Juárez, Raúl Herrera-Saucedo, Marcela Elizondo-Montes, Brenda Santellano-Juárez, Rocío Sánchez-Santillán N, Rafael Díaz-Martínez, Carlos Cintoria-Martínez, Oscar Infante-Vázquez, Roberto Martínez-Memije, Jesús Hernández-Senteno, Carlos Espinoza de los Monteros

Changes in muscle quality and mass in intensive care unit ventilated patients
Chiharu Fujisawa (Kobe, Japan), Chiharu Fujisawa, Akira Tamaki, Hideki Ikushima, Hirofumi Matsuoka

Diaphragmatic weakness contributes to prolonged mechanical ventilation in critical ill patients
Xiaoping Zhu (Shanghai, China), Xiaoping Zhu, Feifei Wang, Changjing Zhang, Lei Shao, ShaoLin Ma

A multicentre evaluation of inter-multidisciplinary team agreement for diagnosis in diffuse lung disease
Simon Walsh (London, United Kingdom), Simon Walsh, Athol Wells, David Hansell

A multicentre evaluation of inter-multidisciplinary team agreement for predicted disease behaviour and management strategy in diffuse lung disease
Simon Walsh (London, United Kingdom), Simon Walsh, Athol Wells, David Hansell

Respiratory long term outcomes of pectus excavatum in patients after Nuss surgery
Szymon Skoczýski (Kratowice, Poland), Szymon Skoczynski, Tomasz Koszutski, Marta Bunarowska, Grzegorz Kudela, Grzegorz Brożek, Katarzyna Repetowska, Małgorzata Farnik, Janusz Bohosiewicz, Adam Barczyk

Nasal nitric oxide (nNO) in paediatric primary ciliary dyskinesia (PCD) and in healthy children - On the lookout for optimal cut-off and reference range
Marcin Miko (Poznan, Poland), Marcin Mikos, Irena Wojsy-Banaszak, Magdalena Roszk, Anna Breborowicz
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<td>Effect of non-patient-level factors on mortality in intensive care units</td>
<td>YoungRak Choi (cheongju, Republic of Korea), YoungRak Choi, Jin Young An, Sang-Yong Eom, Gyu Rak Chon, Jae Young Moon, Sun-Jung Kwon</td>
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<td>PA3562</td>
<td>Is airway driving pressure a good predictor of lung stress during mechanical ventilation for ARDS?</td>
<td>Davide Chiumello (Milan, Italy), Davide Chiumello, Matteo Brioni, Eleonora Carlesso, Andrea Colombo, Francesco Crimel, Massimo Cressoni</td>
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<td>PA3563</td>
<td>Acute respiratory failure in progressive neurological diseases: What is important for intensive care unit and long-term survival?</td>
<td>Ülgen Yalaz Tekan (STANBUL, Turkey), Ülgen Yalaz Tekan, Emine Aksoy, Fezya Kargin, Rabia Sari, Cüneyt Saltürk, Fulya Cyiğiltepe, Dilek Yavuz, Gökay Güngör, Nalan Adıgüzel, Zuhal Karakurt</td>
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<td>PA3564</td>
<td>Speckle tracking echography allows sonographic assessment of diaphragmatic loading</td>
<td>Eline Oppersma (Enschede, Netherlands), Eline Oppersma, Nima Hatam, Jonne Doorduin, Johannes van der Hoeven, Gernot Marx, Andreas Goetzenich, Leo Heunks, Christian Bruells</td>
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<td>Noninvasive detection of positive end-expiratory pressure in COPD patients recovering from acute respiratory failure</td>
<td>Lara Pisani (Bologna, BO, Italy), Lara Pisani, Emanuele Bernardi, Luca Tasano, Marco Ferrari, Nadia Corcione, Francesco Tosello, Elisa Pizzolato, Bruno Tartaglino, Stefano Nava</td>
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<td>Federico Longhini (Borgomanero, Italy), Federico Longhini, Marco Ambrogio Cattaneo, Jean Marie Marion, Ramona Lungu, Erica Dellara, Gianluca Gugliotta, Andrea Gusmano, Chiara Ronco, Paolo Navalesi</td>
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<td>Usefulness of electrical activity of diaphragm and ability to wean from ventilator</td>
<td>Naparat Amornputtisathaporn (Nonthaburi, Thailand), Naparat Amornputtisathaporn, Jaipak Kaemapairoj, Prapaporn Pornsuriyasak, Theerasuk Kawamatawong, Viboob Boonsarangsuk</td>
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<td>Central venous oxygen saturation as predictor of a successful spontaneous breathing trial outcome in mechanically ventilated patients</td>
<td>Afroditi Boutou (Thessaloniki, Greece), Ioannis Georgakas, Afroditi Boutou, Georgia Pitsiou, Ioannis Kioumis, Milly Biziani, Apostolos Sgouradis, Paraskevi Argyropoulou, Ioannis Stanopoulos</td>
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<td>PA3569</td>
<td>Disseminated intravascular coagulation profiles in patients with septic shock on ECMO</td>
<td>Sunghoon Park (Anyang, Republic of Korea), Sunghoon Park, Dong-Gyu Kim, Dae-Young Cheon, Hyoung Soo Kim, Sun Hee Lee</td>
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<td>PA3570</td>
<td>The negative effect of initial high-dose methylprednisolone and tapering regimen for acute respiratory distress syndrome: A retrospective propensity matched cohort study</td>
<td>Makoto Takaki (Kumamoto, Japan), Makoto Takaki, Kazuya Ichikado, Kodai Kawamura</td>
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<td>PA3571</td>
<td>Introducing the Homburg lung: Efficacy and safety of a minimal-invasive system for extracorporeal CO₂ removal</td>
<td>Frederik Seiler (Saarbrücken, Germany), Frederik Seiler, Franziska Trudzinski, Annegret Kamp, Konstantinos Tsioturas, Oliver Linn, Carlos Metz, Philip Böhmer, Ralf Kaiser, Sebastian Fähndrich, Heinrike Wilkens, Hendrik Haake, Robert Bals, Philipp Lepper</td>
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<td>PA3572</td>
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<td>Federico Longhini (Borgomanero, Italy), Federico Longhini, Cristina Andreoni, Jessica Magueri, Marco Ambrogio Cattaneo, Jean Marie Marion, Chiara Ronco, Camilla Cavicchi, Sergio Pintaudi, Paolo Navalesi</td>
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<td>PA3574</td>
<td>Acquired coagulation disorders during extracorporeal carbon dioxide removal</td>
<td>Franziska Trudzinski (Homburg/Saar, Germany), Franziska Trudzinski, Frederik Seiler, Sebastian Fähndrich, Franziska Kaestner, Monika Flaim, Tom Wolf, Ralf M. Muellembach, Robert Bals, Christian Lensch, Philipp M. Lepper</td>
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<td>Non-invasive ventilation in the emergency department from 2004-2015</td>
<td>Marion Christine Carteciano (Singapore, Singapore), Marion Christine Carteciano, Irwani Ibrahim, Y.H. Chan, Malcolm Mahadevan, Tow Keang Lim</td>
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<td>Alexander Samokhvalov (Haifa, Israel), Alexander Samokhvalov, Edward Altman, Amos Szabo, Tatiana Haj, Olga Rutsky, Nicola Makhoul</td>
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**Poster Discussion: New insights into pulmonary rehabilitation for chronic lung diseases**
**Chairs:** Carolyn Rochester (New Haven, United States of America), François Malais (Quebec, Canada)

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<td>Efficacy of preoperative comprehensive pulmonary rehabilitation in patients with lung cancer</td>
<td>Pınar Ergün (ANKARA, Turkey), Dicle Yilmaz Kaymaz, Pinar Ergün, Ipek Candemir, Selim Erkman Gülhan, Gökşürtu Fındık, Nese Demir, Filiz Tasdemir, Nurcan Egesel, Fatma Sengül</td>
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<td>PA3579</td>
<td>Post-Hospitalisation Pulmonary Rehabilitation (PPR) in COPD patients- A retrospective cohort study</td>
<td>Rachel Tuffnell (Sevenoaks, United Kingdom), Rachel Tuffnell, Victoria Lord, Lynda Haggis, Tony de Boeck, Maria Koulouropoulou, Irem Patel</td>
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<td>PA3580</td>
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<td>Dario Nieri (Pisa, Italy), Dario Nieri, Elisa Ageno, Laura Malagrinò, Francesco Costa, Sabrina Santerini, Sandra Antonelli, Claudia De Simone, Giovanna De Cusatis, Barbara Vagaggini, Pierluigi Paggiano</td>
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<td>PA3581</td>
<td>Are the gains of pulmonary rehabilitation in young and elderly patients same?</td>
<td>İpek Ozmen (İstanbul, Turkey), İpek Ozmen, Elif Yıldırım, Murat Öztürk, Özgür Yılmaz, Cuneyt Salturk, Rüya Aydin, Nur Uşgün, Nurgül Yer</td>
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<td>Adapting local practices can increase compliance and hence outcome of pulmonary rehabilitation (PR) in resource limited settings</td>
<td>Mrityunjaya Singh (VARANASI, Uttar Pradesh, India), Mrityunjaya Singh, Govind Narayan Srivastava, Manoj Meena, Shruti Singh</td>
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<td>PA3583</td>
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<td>Daniel Veale (Gières, France), Daniel Veale, Frederic Herengt, Mauricette Michallet, Helène Labussiere Wallet, Richard Brion</td>
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<td>Pulmonary rehabilitation (PR) capacity, uptake and completion rate in the East of England</td>
<td>Lianne Jongepier (CAMBRIDGE, United Kingdom), Lianne Jongepier, Ruth Barlow</td>
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<td>Demographics of patients with COPD in relation to pulmonary rehabilitation using the health improvement network (THIN)</td>
<td>ALI HAKAMY (NOTTINGHAM, United Kingdom), Ali Hakamy, Charlotte E. Bolton, Tricia M. McKeever</td>
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<td>PA3587</td>
<td>The effect of co-existent chronic heart failure (CHF) on lower limb muscle function in COPD: Propensity matched analysis</td>
<td>Veronica Delogu (London, United Kingdom), Veronica Delogu, Claire M. Nolan, Jane L. Canavan, Sarah E. Jones, Elizabeth J. Fletcher, Samantha S.C. Kon, Rachael A. Evans, Rebecca Lane, Jennifer K. Quint, Derek Bell, Martin R. Cowie, William D. Man</td>
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<td>PA3588</td>
<td>The effect of physical rehabilitation (PR) on the severity of symptoms of OSAS in patients with chronic obstructive pulmonary disease (COPD) and obstructive sleep apnoea syndrome (OSA)</td>
<td>Olena Krakhmalova (Kharkiv, Ukraine), Olena Krakhmalova, Yulia Kharchenko, Olena Izmailova</td>
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<td>COPD and co-existent chronic heart failure (CHF): Response to pulmonary rehabilitation (PR)</td>
<td>Elizabeth Fletcher (Bracknell, United Kingdom), Elizabeth Fletcher, Claire M. Nolan, Jane L. Canavan, Sarah E. Jones, Veronica Delogu, Rachael Evans, Rebecca Lane, Derek Bell, Jennifer K. Quint, Martin W. Cowie, William D. Man</td>
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<td>Cardiometabolic risk profile in muscle wasted COPD patients with abdominal obesity and the effect of pulmonary rehabilitation</td>
<td>Rosanne Beijers (Maastricht, Netherlands), Rosanne Beijers, Coby van de Bool, Bram van den Borst, Frits Franssen, Emiel Wouters, Annemie Schols</td>
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<td>PA3592</td>
<td>FEV1% pred and BMI are weak predictors for clinical outcome after pulmonary rehabilitation in COP</td>
<td>Janneke Dilling (Groningen, Netherlands), Janneke Dilling, Hester van der Vaart, Johan Wempe</td>
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<td>PA3593</td>
<td>Home pulmonary rehabilitation program in COPD: Conditioning factors</td>
<td>MARIARA CALDERON ALCALA (MADRID, Spain), Mariara Calderon Alcala, Beatriz Morales Chacón, Maria Estévez, Ina Guerassimova, Juan Luis Rodriguez, Juan Ringual, Elena Forcén, Alfonso Montero Pacios, Manuel Enrique Fuentes Ferrer, Eva Escobar García, Mercedes Bernabéu Lledo, Myriam Calle Rubio</td>
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<td>Performance during dual task and impact of a pulmonary rehabilitation in COPD</td>
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Therapeutic activities during a pulmonary rehabilitation program in patients with chronic respiratory failure
Monica Silveira Lapa (SAO PAULO/SP, Brazil), Mónica Silveira Lapa, Juliana Nascimento Oliveira, Selma Denis Squassoni, Nadine Cristina Machado, Luciene Costa Bortolassi, Cecilia Melo Rosa Tavares, Priscila Kessar Cordoni, Ahmad Abduny Rahal, Elie Fiss

Room ICC Capital Suite 8  Session 567  10:45 - 12:45

Poster Discussion: Pulmonary hypertension and chronic thromboembolic pulmonary hypertension

Chairs: Gérald Simonneau (Le Kremlin-Bicêtre, France), Joanna Pepke-Zaba (Cambridge, United Kingdom)

Antecubital venous access for balloon pulmonary angioplasty in patients with chronic thromboembolic pulmonary hypertension
Sergey Yarovoy (Odintsovo, Russian Federation), Nikolai Danilov, Matchin Yuriy, Yarovoy Sergey, Martynyuk Tamila, Chazova Irina

Early outcomes of patients with systemic lupus erythematosus and antiphospholipid syndrome after pulmonary endarterectomy
Serdar Evman (STANBUL, Turkey), Serdar Evman, Sehnaz Olgun Yildizeli, Nevsun Inanc, Bulent Mutlu, Serpil Tas, Mehmed Yanartas, Bedrettin Yildizeli

Riociguat in chronic thromboembolic pulmonary hypertension (CTEPH): ERS/ESC risk assessment in CHEST
Harrison Farber (Boston, United States of America), Harrison Farber, Dennis Busse, Janethe de Oliveira Pena, Hossein-Ardeshir Ghofrani

Triaging acute pulmonary thrombo-embolic disease: Only a limited role for early warning scoring
Tieng Yee Toh (Wellington, United Kingdom), Harmesh Moudgil, Tieng Toh, Katie Hutchinson, Sam Craik, Nawaid Ahmad, Kootlaalai Srinivasan

Leucocytes platelets co-aggregates remain elevated in patients with perfusion defects after pulmonary embolism
Anne Roche (PARIS, France), Anne Roche, Nicolas Gendron, Vanessa Grangier, Luc De Chaisemartin, Benjamin Planquette, Pascale Gaussem, Pascale Gaussem, Olivier Sanchez

Influence of discontinuation of medication after balloon pulmonary angioplasty in patients with chronic thromboembolic pulmonary hypertension
Yaoita Nobuhito (Sendai, Japan), Yaoita Nobuhito, Sugimura Koichirou, Tatebe Shunsuke, Yamamoto Saori, Aoki Tatsuo, Miura Masanobu, Satoh Kimio, Shimokawa Hiroaki

Factors associated with exercise limitation after pulmonary endarterectomy
Angelo Guido Corsico (Pavia, Italy), Angelo Guido Corsico, Rita Di Domenica, Valentina Conio, Eti Maria Giulia Di Vincenzo, Maurizio Pin, Valentina Grazioli, Antonio Sciortino, Catherine Klersy, Andrea Maria D’Armini, Federica Meloni, Isa Cerveri

Occult cancer in patients with acute venous thromboembolism: Why, when and where to investigate
Luis Jara-Palomares (Seville, Spain), Luis Jara-Palomares, Remedios Otero-Candelera, David Jimenez, Marc Carrier, Inna Tzoran, Benjamin Brenner, Manuel Monreal

Treatment of venous thromboembolism in cancer patients with tinzaparin beyond 6 months. TiCAT study
Luis Jara-Palomares (Seville, Spain), Luis Jara-Palomares, Aurora Solier-Lopez, Teresa Elias-Hernandez, Lucia Marin-Barrera, Maribel Asemio-Cruz, Lionel Suarez-Valdivia, Isabel Blasco-ESquivias, Maria Rodriguez de la Borbolla, Remedios Otero-Candelera

Chronic thrombo-embolic pulmonary hypertension: Long-term outcomes in operated and non-operated patients
Syed Quadery (Sheffield, United Kingdom), Syed Quadery, Catherine Billings, Jim Wild, Andy Swift, Smitha Rajaram, Christine Davies, Catherine Hill, Steven Thomas, Peter Braidley, Steven Hunter, Iain Armstrong, Neil Hamilton, Allan Lawrie, Judith Hurdman, Athanasios CharalamposPoulos, Ian Sabroe, Robin Condliffe, Charlie Elliot, David Kiely

Endothelial dysfunction in patients with chronic thromboembolic pulmonary hypertension (CTEPH)
Olga Tura-Ceide (Barcelona, Spain), Olga Tura-Ceide, Núria Aventín, Lucilla Piccari, Constanza Morén, Mariona Guitart-Mampel, Glòria Garrabou, Jéssica García-Lucio, Núria Chamorro, Isabel Blanco, Víctor Peinado, Manuel Castellà, Joan Albert Barberà

Incidence and outcomes of haemoptysis in patients with operable and non-operable chronic thromboembolic pulmonary hypertension (CTEPH) and pulmonary arterial hypertension (PAH)
Roberta Pulcheri Ramos (Sao Paulo / SP, Brazil), Roberta Pulcheri Ramos, Eloara V.M. Ferreira, Rimarcs Gomes Ferreira, André Luis Alves de Melo, Carlos Gustavo Verrastro, José E.A. Barroso, Carolina M.S. Messina, Angelo X.C. Fonseca, Luiz Eduardo Nery, Jaqueline Sonoe Ota-AraKaki
Prognostic significance of right heart thrombi (RHT) in patients with acute symptomatic pulmonary embolism: Systematic review and meta-analysis
Raquel Morillo Guerrero (Azuaga, Spain), Deisy Barrios Barreto, Vladimir Rosa-Salazar, Raquel Morillo Guerrero, David Jimenez Castro, Rosa NietoRoyo, Sara Fernández, José Luis Zamorano, Manuel Monreal, Adam Torbicki, Roger D. Yusen

Right ventricular function changes after therapy in chronic thromboembolic pulmonary hypertension
Bouchra Lamia (Rouen, France), Bouchra Lamia, Audrey Benguiguï, Luis-Carlos Molano, Catherine Viacroze, Geraldine Menard, Jean Queiffin, Philippe Bonnet, Jean-Francois Muir, Antoine Cuveller

Peripheral blood leucocyte phenotype in IPAH and CTEPH
Kasia I Zalewska (Cardiff, United Kingdom), Kasia Zalewska, Emily Groves, Helen Baxendale, Joanna Pepke-Zaba, Nicholas W. Morrell, Mark R. Toshner

Reoperative pulmonary endarterectomy
Sehnaz Olgun (İstanbul, Turkey), Sehnaz Olgun, Derya Kocakaya, Serpil Tas, Mehmeh Yanartas, Cihan Gir Kaymaz, Bülent Mutlu, Berrin Ceyhan, Bedrettin Yildizeli

Right ventricular function and exercise capacity in response to successful pulmonary endarterectomy surgery
Rocco Francesco Rinaldo (Milano, Italy), Rocco Francesco Rinaldo, Luke Howard

Poster Discussion: Man versus machine: waves, frequency, and more in lung function
Chairs: Frans H.C. de Jongh (Enschede, Netherlands), Karl Sylvester (Streatley, United Kingdom)

Comparing 3 forced oscillation devices in different subject groups
Chris P.M. van der Grinten (Maastricht, Netherlands), Wim Put, Judith Baars, Chris P.M. van der Grinten

Reference values for IOS derived R5-R20 and AX assessed from healthy polish children
Waldemar Tomalak (Rabka-Zdroj, Poland), Waldemar Tomalak, Jakub Radlinski

Small airways indices derived from impulse oscyllometry vs plethysmography and spirometry
Jakub Radlinski (Rabka-Zdroj, Poland), Jakub Radlinski, Waldemar Tomalak

The influence of different mouthpieces on the impulse oscilloometry results
Ada Gastaldi (Ribeirão Preto, Brazil), Ada Gastaldi, Gustavo Dionisio, Daniele Santos, Letícia Souza, Bruna Silva, Larissa Nascimento, Mayara Paula, José Baddini-Martinez, Hugo Souza

Quality of spirometry in silica, wood and foundry workers in GB
Jade Sumner (Buxton, United Kingdom), Jade Sumner, Ruth Wiggans, Leon Lewis, Alison Codling, Lisa Bradshaw, Edward Robinson, David Fishwick, Christopher Barber

Has the determination of the rate of decline of FEV1 added value in addition to the determination of FEV1/FVC and FEV1
Marcel Geerts (Raalte, Netherlands), Marcel Geerts, Irene Steenbruggen

A pilot study of hot-wire, ultrasonic and wedge-bellows spirometer inter- and intra-variability
Marit Aardal (Bergen, Norway), Marit Aardal, Lene Svendsen, Sverre Lehmann, Tomas M. Eagan, Ingvild Haaland

Is it feasible for respiratory physiologists to carry out inhaler device technique checks during routine pulmonary function tests?
Paul Byrne (Dublin 4, Ireland), Rachel Anglin, Paul Byrne, Geraldine Nolan, Suzanne Morrin, Geraldine Moore, Emma Flood, Orla Farrelly, Majella Gilmartin

Spriometry in primary care: results after education of operators using quality indicators in a real-life study
Mats Arne (Karlstad, Sweden), Mats Arne, Kersti Theander

Quality and learning aspects of the first 9000 spirometries in the LifeGene study
Mikaela Qvarfordt (Huddinge, Sweden), Mikaela Qvarfordt, Martin Anderson, Magnus Svarthgren

Retrospective study of arterial blood gas in CPET: Are these always mandatory?
Anne Janssen (Rijssen, Netherlands), Anne Janssen

Preflight hypoxia test with portable oxygen concentrators: when new technologies require more technology
Vincent Bunel (PARIS, France), Vincent Bunel, Amr Shoukri, Frederic Choin, Serge Robin, Cindy Smith, Thomas Similowski, Capucine Morelot-Panzini, Jésus Gonzalez
Notch-shoulder pattern on flow volume loop: Is it a clinically useful pattern or just a 'normal' variant?
Anna Werpachowska (Hereford, United Kingdom), Anna Werpachowska, Shweta Appiah, Johnathan Lex, Maya Patel, Michael Howard, Aled Phillips

Comparison of auto-titrating CPAP derived apnoea-hypopnoea index (AHI) with pulse oximeter oxygen desaturation index (ODI) in patients with obstructive sleep apnoea (OSA)
Claire O'Sullivan (Birmingham, United Kingdom), Claire O'Sullivan, Adrian Kendrick

Validation of automated versus manual scoring of cardio-respiratory sleep studies: A clinical audit
Heather Engleman (Edinburgh, United Kingdom), Heather Engleman, Ann Cooper, Matthew Thomas, Sarah Martin, Neena Derashri, Jonathan Leahy, Anwen Evans

An audit comparing automated scoring to physiologist scoring of semi polysomnography sleep studies
Diane Clarke (Coventry, United Kingdom), Diane Clarke, Michelle Goodlad, Trishanddeep Matharu, Iuri Mata, Joanna Shakespeare

Presence of commensal house dust mite allergen in human gastrointestinal tract: A potential contributor to intestinal barrier dysfunction
Meri Tulic (Nice, France), Meri Tulic, Mylene Vivinus-Nebot, Akila Rekima, Samara Rabelo Medeiros, Chrystelle Bonnard, Haining Shi, Allan Walker, Raffaella Dainese, Julien Boyer, Nathalie Vergnolle, Thierry Piche, Verhasselt Valerie

Batf3-dependent dendritic cells control house dust mite-driven Th2 and Th17 response through IL-12 production
Laura Conejero Hall (Madrid, Spain), Laura Conejero Hall, Sofia Chayeb Khouili, Sarai Martinez Cano, Helena Izquierdo Fernández, Paola Brandi, David Sancho Madrid

Targeting IL33-ST2 pathway in virus-induced exacerbation of experimental asthma
Lara Ravanetti (Amsterdam, Netherlands), Lara Ravanetti, Annemieke Dijkhuis, Yanaika S. Sabogal Pineros, Renè Lutter

Immunomodulatory role of IL-37 in asthma pathogenesis
Alexandra Schröder (23845 Borstel, Germany), Alexandra Schröder, Lars Lunding, Sina Webering, Christina Vock, Heinz Fehrenbach, Michael Wegmann

Antinuclear antibodies and rheumatoid factor are associated with blood eosinophils in asthma and COPD
Koji Tamai (Kobe, Japan), Koji Tamai, Harukazu Yoshinatsu, Toshiharu Saito, Hirofumi Matsuoka, Yasuko Koma, Nobuhiko Okada, Akiko Otsuka, Sayaka Inoue, Sachie Kume, Nao Oda, Yuijiro Suzuki

CD38 gene-modified dendritic cells inhibit murine asthma development through increasing IL-12 production and promoting Th1 cell differentiation
Jiaoli Wang (Hangzhou, China), Jiaoli Wang

Establishment of a murine asthma exacerbation model by combining OVA exposure with either RSV or influenza infection
Cornelia Tilp (Biberach an der Riss, Germany), Cornelia Tilp, Hannes Bucher, Eva Wex, Klaus Erb

Cell type specific accessibility of C5aR2 on human blood cells of myeloid origin
Kistler Barbara (Biberach an der Riss, Germany), Kistler Barbara, Schlegel Alexandra, Grauert Matthias, Arndt Kirsten, Williams Cara

Essential role of IRF-3 in COPD exacerbation mouse model
Takashi Ishii (Tokyo, Japan), Takashi Ishii, Keisuke Hosoki, Yuiichi Nikura, Takahide Nagase, Naomi Yamashita

Early life antibiotic exposure is associated with an increased risk of allergy
Fariba Ahmadizar (Driebergen, Netherlands), Fariba Ahmadizar, Susanne J.H. Vijverberg, Hubertus G.M. Arets, Anthonius de Boer, Jason E. Lang, Johan Garssen, Aletta Kraneveld, Anke H. Maitland-van der Zee

Dysregulation of type 2 innate lymphoid cells and Th2 cells impairs pollutant-induced allergic airway responses
Katrien De Grove (Ghent, Belgium), Katrien De Grove, Sharen Provoost, Rudi Hendriks, Leen Seys, Smitha Kumar, Tania Maes, Guy Brusselle, Guy Joos
PA3641  Use of fluoroenzyme immunoassay in the diagnosis of bird fancier’s hypersensitivity pneumonitis
Sujoy Khan (Kolkata, India), Sujoy Khan, Sushmita Roy Chowdhury, Parthasarathi Bhattacharya

PA3642  Specific parental atopy, sex of child and timing of introduction of ‘allergenic’ foods
Malcolm Sears (Hamilton, ON, Canada), Malcolm Sears, Maxwell Tran, Diana Lefebvre, David Dai, Meghan Azad, Padmaja Subbarao, Wendy Lou, Allan Becker, Piushkumar Mandhane, Stuart Turvey, The CHILD Study Investigators

PA3643  Allergens induced release of alarmins from airway epithelial cells
Sangeetha Ramu (Lund, Sweden), Sangeetha Ramu, Mandy Menzel, Hamid Akbarshahi, Lena Uller

PA3644  Influenza induced exacerbation is associated with steroid insensitive AHR and pulmonary inflammation in HDM-sensitised mice
Ian Knowles (Harlow, United Kingdom), Ian Knowles, Kamal Lalgi, Mehrnaz Elmi, Olivia Robb, Neeta Patel

PA3646  Responses to rhinovirus infection in human lung slices are reduced by rupintrivir
Helena Obernolte (Hannover, Germany), Helena Obernolte, Peter Braubach, Danny Jonigk, Olaf Pfennig, Hans-Gerd Fieguth, Armin Braun, Sabine Wronek, Katherina Sewald

PA3647  Asthma-COPD overlap syndrome (ACOS): The compatibility between doctor-diagnosis and document-guided diagnosis
MICHIKO HIBI (Ogaki, Japan), Michiko Hibi, Joe Shindo, Akira Shiraki

T-01  Session 578  12:50 - 14:40
Thematic Poster: Biomarkers and phenotypes of COPD
Chairs: Amal Houssaini (Evry, France), Therese Lapperre (København, Denmark), Maarten K. Ninaber (Leiden, Netherlands), Ana Maria Lopez De Navarro (CÓRDOBA, Argentina)

PA3656  Comparison of blood eosinophils and plasma periostin in stable and non-stable chronic obstructive pulmonary disease. How we can improve the management of our patients
Alizamin Sadigov (BAKU, Azerbaijan), Alizamin Sadigov, Konul Abasaliyeva, Sakhvatdin Akhundov, Gunel Sadigova

PA3657  Alpha-1-antitrypsin deficiency in portuguese COPD patients
Ana Filipa Cruz e Costa (taveiro, Portugal), Ana Filipa Cruz e Costa, Cidália Rodrigues, Pedro Ulisses Brito

PA3658  Heterogeneity inside group D COPD patients: About 827 cases
Ahmed Ben Saad (5000 Monastir, Tunisia), Ahmed Ben Saad, Saoussen Cheikh Mhammed, Hadhimi Mribah, Nesrine Faham, Samah Joubouer, Naceur Rouatbi, Ali El Kemel

PA3659  CAT predicts mortality in COPD patients who require LTOT
Nikolay Kyuchukov (Belene, Bulgaria), Nikolay Kyuchukov, Nikolay Yanev, Iliya Krachunov, Zlatina Ivanova, Preslava Kiyuchukova, Petkana Hristova, Plamen Pavlov, Pavlina Glogovska, Tsanya Popova, Yavor Ivanov

PA3660  Plasma surfactant protein-D (SPD) concentration and severity of airflow limitation in COPD patients (pts)
Kateryna Gashynova (Dniepropetrovsk, Ukraine), Kateryna Gashynova, Tetyana Pertseva

PA3661  Endothelial dysfunction and systemic inflammation during acute exacerbations of COPD
Andrea Vukic Dugac (Zagreb, Croatia), Andrea Vukic Dugac, Alen Ruzic, Ana Heceimore, Mateja Jankovic-Makek, Gordana Pavlisa, Hrvoje Puretic, Sanja Popovic-Grele, Miroslav Samarzija, Marko Jakopović

PA3662  Blood pressure variability during the 6-minute walk test in patients with chronic obstructive pulmonary disease
Arnoldus van Gestel (Winterthur, Switzerland), Arnoldus van Gestel, Andjia Gajic, Florent Baty, Martin Brutsche

PA3663  The trend of pulmonary function tests over time in COPD patients with different levels of blood eosinophils
Paola Rogliani (Rome, Italy), Paola Rogliani, Ermanno Puxeddu, Chiara Ciaprimi, Gabriella Pezzuto, Luigiino Calzetta, Mario Cazzola

PA3664  Do inhaled corticosteroids reduce the frequent exacerbator phenotype in COPD - A little help by a multicenter survey
Dieter Klopf (Nürnberg, Germany), Dieter Klopf, Johannes Rumpf, Peter Maier-Stock, Kai Thomas, Christoph Koehl, Claudia Sommer, Peter Berg

PA3665  GOLD staging and grading for predicting one-year mortality in COPD patients with severe exacerbation
Evgeni Mekov (Sofia, Bulgaria), Evgeni Mekov, Yanina Slavova, Adelina Tsakova, Marianka Genova, Dimitar Kostadinov, Delcho Mincev, Dora Marinova, Mikhail Boyanov

PA3666  Resting heart rate and exacerbations in COPD patients
Ahmad Izuanuddin Ismail (Selangor, Malaysia), Ahmad Izuanuddin Ismail, Aisyah Natasya Musa, Mohd Arif Mohd Zim, Mohd Ariff Fadzil, Norhayah Mohd Razali, Razul Md Nazir Md Kassim, Tengku Saifudin Tengku Ismail
PA3667  Quality of life at discharge from hospital following acute exacerbation of COPD is much worse even if length of stay is short
Lalita Fernandes (Panaji, Goa, India), Lalita Fernandes, Rohit Vadala, Nandani Gulati, Anika Parrikar, Anthony Mesquita

PA3668  Airway resistance correlates with the frequency of exacerbation in patient with COPD
Hitomi Furukawa (Tokyo, Japan), Hitomi Furukawa, Yasunari Kishino, Yasunori Murata, Shin Ohta, Tetsuya Honma, Sojiro Kusumoto, Mayumi Yamamoto, Shintaro Suzuki, Akihiko Tanaka, Takuya Yokoe, Tsukasa Ohnishi, Hiroshi Sagara

PA3669  Alpha-1-antitrypsin deficiency in Kazakh subjects with COPD
Ardak Zhumagaliyeva (Semey, Kazakhstan), Ardak Zhumagaliyeva, Marina Gorrini, Claus Vogelmeier, Angelo Corsico, Ludmila Karazhanova, Timm Greulich, Annalisa DeSilvestri, Victor Kotke, Valentina Barzon, Michele Zorzetto, Ilaria Ferrarotti

PA3670  Inflammatory markers (IL-6, suPAR) and arterial stiffness parameters in COPD patients
Renáta Marietta Böcskei (Budapest, Hungary), Renáta Marietta Böcskei, Lilla Tamási, Béla Benczúr, András Bikov, György Losonczy, Anikó Bohács

PA3671  The prognostic value of cardiac and inflammatory biomarkers in acute exacerbations of COPD patients
Louise Goodall (Sydney, Australia), Louise Goodall, Belinda Cochrane, Soo Wei Foo, Phong Nguyen

PA3672  Serum uric acid levels and uric acid/creatinine ratio in stable COPD patients: Are these parameters efficiently predict risky patients for exacerbation and/or severity of the disease?
Nagihan Durmus Kocak (STANBUL, Turkey), Nagihan Durmus Kocak, Gulsah Saksak, Ulku Aka Akturk, Metin Akgun, Sibel Boga, Aysun Sengul, Sinem Gungor, Sibel Arinc

PA3673  Relation of high resolution computed tomography findings with functional parameters in COPD
Gülden Bilgin (ANKARA, Turkey), Gülden Bilgin, Pinar Nercis Kosar, Enver Necip Koseoglu

PA3674  The association between morning symptoms and physical activity in chronic obstructive pulmonary disease: A systematic review
Amanda van Buul (Leiden, Netherlands), Amanda van Buul, Marise Kasteleyn, Niels Chavannes, Christian Taube

PA3675  LATE-BREAKING ABSTRACT: Five items from the CAT questionnaire identify smokers with preserved lung function at higher risk for poor respiratory outcomes: An analysis of the SPIROMICS cohort
Carlos Martinez (Ann Arbor, United States of America), Carlos Martinez, Susan Murray, Miguel Quibrera, Prescott Woodruff, Graham Barr, Christopher Cooper, Russell Bowler, Eugene Bleecker, Alejandro Comellas, Stephanie Christenson, David Couper, Jeffrey Curtis, Natalia Gouskova, Gerald Criner, Nadia Hansel, Eric Hoffman, Mark Dransfield, Jerry Krishnan, Nancy Leidy, Richard Kanner, Eric Kleerup, Stephen Lazarus, Fernando Martinez, Wanda O’Neal, Robert Paine, Stephen Rennard, Donald Tashkin, Paul Jones, MeiLan Han

Thematic Poster: COPD diagnosis and management
Chairs: Cecilia K Andersson (London, United Kingdom), Renaud Louis (LIEGE, Belgium), Lowie Vanfleteren (Horn, Netherlands), Masaru Suzuki (Sapporo, Japan)

PA3676  Time of presentation to accident and emergency (A&E) of community respiratory patients at Royal London Hospital
Martin Sterry (COLCHESTER, United Kingdom), Martin Sterry, Jane Simpson

PA3677  Fatigue is useful in characterising chronic obstructive pulmonary disease(COPD) frequent hospitalisations sub-phenotype
Sabina Antoniu (Iasi, Romania), Sabina Antoniu, George Leahu, Alexndra Hordila, Alexandru Moraru, Ioana Cretu, Lucian Boiceule

PA3678  A pilot study to assess the efficacy of breathlessness plans for patients with chronic obstructive pulmonary disease (COPD)
Mary Qian (Ascot Vale, Australia), Mary Qian, Michelle Thompson, Brian Le, Louis Irving, Natasha Smallwood

PA3679  Problems hypodiagnostics of chronic obstructive pulmonary disease. Using the original questionnaire for early diagnostics of COPD
Nataliya Cherepii (Slavuta, Ukraine), Nataliya Cherepii

PA3680  A non-interventional observational trial to study the COPD treatment choices in routine clinical practice in Bulgaria
Pavlina Nikolova Glogovska (Pleven, Bulgaria), Pavlina Nikolova Glogovska, Yavor Ivanov, Ivan Nikolaev

PA3681  Intranasal budesonide improves quality of life in patient with COPD and chronic nasal symptoms
Cecilia Calabrese (NAPOLI, NA, Italy), Cecilia Calabrese, Adriano Costigliola, Giovanni Cioffi, Eugenio Tremante, Marianna Maffei, Damiano Capaccio, Elena Merola, Gennaro Mazzarella, Alessandro Vatrella
PA3682 COPD: Influence of patients’ nutritive status on the exacerbations rate
Kateryna Gashynova (Dniepropetrovsk, Ukraine), Kateryna Gashynova, Kateryna Bogatska

PA3683 Socioeconomic status shaping GOLD A-D classification in patients with chronic obstructive pulmonary disease
Sibel At Nayci (Mersin, Turkey), Sibel Atis Nayci, Eylem Ozgur, Cengiz Ozge

PA3684 Adherence to inhaled therapy and its impact on chronic obstructive pulmonary disease (COPD)
Magdalena Humenberger (Linz, Austria), Magdalena Humenberger, Bernhard Kaiser, Anna Labek, Rupert Frechinger, Bernd Lamprecht

PA3685 Rosuvastatin effects on systemic inflammation, oxidative stress and antioxidants in patients with chronic obstructive pulmonary disease
Elena Samorukova (Moscow, Russian Federation), Elena Samorukova, Tatiana Adasheva, Vladimir Zadionchenko, Andrew Malyavin

PA3686 Management of virtual COPD cases by pulmonary physicians
Esra Uzaslan (Bursa, Turkey), Esra Uzaslan, Oguz Kilinc, Aylin Konya, Metin Akgun, Abdullah Sayiner

PA3687 An integrated disease management (IDM) programme of 12 months duration was effective for patients with COPD
Maurizio Moretti (Modena, Italy), Anna Porcu, Barbara Conti, Luigi Vignale, Alberto Rocchi, Mariella Polselli, Biagio Marsiglia, Aldo Casani, Maurizio Moretti

PA3688 Attitudes, beliefs and organizational barriers regarding safe emergency oxygen therapy for patients with COPD: A mixed methods study
Ronan O’Driscoll (Salford, United Kingdom), Ronan O’Driscoll, Nawar Bakerly, Ann Caress, June Roberts, Miriam Gaston, Mark Newton, Janelle Yorke

PA3689 Factors influencing on influenza vaccination among chronic obstructive pulmonary disease: The Korea national health and nutrition examination survey
Jae Ho Chung (Incheon, Republic of Korea), Jae Ho Chung, Hee-Jin Hwang

PA3690 Bronchodilators delivered by nebuliser versus pMDI for exacerbations of COPD - A Cochrane review
Wouter H. van Geffen (Leeuwarden, Netherlands), Wouter H. van Geffen, Rob Douma, Dirk-Jan Slebos, Huib Kerstjens

PA3691 Assessing knowledge, adherence and barriers to implement COPD guidelines in COPD care in Saudi Arabia
Mohammed ALSubaie (Dammam, Saudi Arabia), Mohammed ALSubaie, Peter A. Frith, Paul A. Cafarella, Stephen Quinn, Mohamed S. Al Moamary, R. Doug McEvoy, Tanja W. Effing

PA3692 Prevalence and risk factors for postoperative pulmonary complications after lung cancer surgery in patients with early stage of COPD
Eun Sun Kim (Seoul, Republic of Korea), Eun Sun Kim, Young Tae Kim, Chang Hyun Kang, In Kyu Park, Won Bae, Sun Mi Choi, Young Sik Lee, Joo-Soon Kim, Young Whan Kim, Sung Koo Han, Chul-Gyu Yoo

PA3693 Can roflumilast improve clinical outcomes in moderate-to-severe chronic obstructive pulmonary disease? A meta-analysis
Jian Luo (CHENGDU, China), Jian Luo, Ke Wang, Dan Liu, Bin-Miao Liang, Chun-Tao Liu

PA3694 LATE-BREAKING ABSTRACT: An algorithm for the identification of clinical COPD phenotypes in daily practice
Pierre-Régis Burgel (Paris, France), Pierre-Régis Burgel, Jean-Louis Paillasseur, Jacques Piquet, Wint Jansens, Marc Decramer, Francis Martin, Milo Puhani, Joan Soriano, Nicolas Roche

Thematic Poster: Long-term oxygen therapy, noninvasive ventilation, and other clinical variables in chronic lung diseases
Chairs: Alessia Verduri (S.Ilario d’Enza (Reggio Emilia), Italy), Dario Olivieri (Parma, Italy), Carlos Matiz (Bogota, Colombia), Nikolaos Tzanakis (Heraklion, Greece)

PA3696 Ward-based oxygen therapy audit: Prescribe, target, deliver
Katie Hutchinson (Telford, United Kingdom), Katie Hutchinson, Nawaid Ahmad, Sam Craik

PA3697 Evaluation of discharge documentation for patients newly prescribed home oxygen therapy on discharge
Clique Davey (London, United Kingdom), Claire Davey, Bijal Gandhi, Shaili Patel

PA3698 Irish guidelines on long term oxygen therapy
Ann Marian Cronin (Co Cork, Ireland), Ann Marian Cronin, Patricia Davis, Adrian O’Brien, Noreen Donoghue, Donna Langan, Tara Hannon, Olivia Lee, Dolores Fox, Ann Tooher, Bernadette Bowen
An audit on the effect of a hospital oxygen therapy guideline on oxygen prescription
Rachelle Asciak (Msida, Malta), Rachelle Asciak, Caroline Gouder, Maria Ciantar, Julia Tua, Valerie Fenech, Stephen Montefort

The impact of initiating a home oxygen service for adults in Tower Hamlets
Claire Davey (London, United Kingdom), Claire Davey, Jane Simpson

Do patients with moderate hypoxemia require LTOT?
Nikolay Kyuchukov (Belene, Bulgaria), Nikolay Kyuchukov, Nikolay Yanev, Iliya Krachunov, Zlatina Ivanova, Preslava Kyuchukova, Petkana Hristova, Plamen Pavlov, Pavlina Glogovska, Tsanya Popova, Yavor Ivanov

Comparison of fingertip and earlobe pulse oximetry with arterial blood gas results
Sandra Olive (Norwich, United Kingdom), Sandra Olive, Orion Twentyman, Crichton Ramsay

Assessment of nutritional status in patients with idiopathic pulmonary fibrosis
Hajer Ayadi (Sfax, Tunisia), Ayadi Nouha, Feki Walid, Marrakchi Rim, Mkaouar Najla, Ketata Wajdi, Bahloul Najla, Ayadi Hajer, Msaad Sameh, Yangui Ilhem, W.K. Rekik, Jamoussi Kamel, Kammoun Samy

Nutritional status in respiratory inpatients patients
Julia Tarrega Camarasa (Granollers, Spain), Julia Tarrega Camarasa, Maria Sagales, Alex Lopez, Oriol Rovira, Enric Barbeta Sanchez

Effects of comorbidities on the CAT score: A population-based study
Manuela Karloh (FLORIANOPOLIS/SC, Brazil), Manuela Karloh, Marcia Pizzichinni, Emilio Pizzichini

Markers of treatment outcome in hypersensitivity pneumonitis patients
Martina Sterclova (Prague, Czech Republic), Martina Sterclova, Martina Kolbeka, Magdalena Smetakova, Martina Vasakova

Clinical approach to pulmonary sarcoidosis
Ginevra Del Giudice (Benevento, Italy), Ginevra Del Giudice, Assunta Micco, Diana Radicella, Andrea Diglio, Gaetano Beatrice, Giuseppe Gaudenzi, Angelo Romano, Mariano Mazza, Mario Del Donno

Predictors of quality of life in sarcoidosis patients
Branislav Gvozdenovic (Belgrade, Republic of Serbia), Branislav Gvozdenovic, Violeta Vucinic, Mihailo Stjepanovic, Mira Vukovic, Surinder Birring

Psychological features in smokers: A cross-sectional study using symptom checklist-90-revised
Askin Gulsen (izmir, Turkey), Askin Gulsen, Bulent Uygur, Sami Deniz, Julide Emre Celdir

Non-invasive ventilation (NIV) - Our experience of telemonitoring in a remote and rural service
Phyllis Murphie (Dumfries, United Kingdom), Phyllis Murphie, Robin Paton, Stuart Little

A retrospective comparison of oxygen prescription errors during social and unsocial hours
Rachelle Asciak (Msida, Malta), Rachelle Asciak, Caroline Gouder, Maria Ciantar, Valerie Fenech, Stephen Montefort

LATE-BREAKING ABSTRACT: Risk factors for hospitalization and death in elderly smokers with chronic obstructive pulmonary disease (COPD) and/or chronic heart failure (CHF)
martina garofalo (Campogalliano (MO), Italy), Alessa Verduri, Bianca Beghe, Martina Garofalo, Sara Balduzzi, Michela Schito, Valentina Ruggieri, Alessandro Fucili, Leonardo Fabbri, Enrico Clini, Piera Boschetto

LATE-BREAKING ABSTRACT: Which predictors in COPD patients with the frequent exacerbator phenotype predict the treatment response to maintenance therapy with azithromycin?
Remco S. Djamin (BREDA, Netherlands), Remco S. Djamin, Sevim Uzun, Anton A.M. Ermens, Rene Kerstens, Henk C. Hoogsteden, Joachim G.J.V. Aerts, Menno M. van der Eerden

LATE-BREAKING ABSTRACT: Intra-day symptoms fluctuations: STORICO, observational study on the characterization of 24-hour symptoms in COPD patients
Francesco Blasi (Milano, MI, Italy), Raffaele Antonelli Incalzi, Francesco Blasi, Giorgio Walter Canonica, Nicola Scichilone, On Behalf of STORICO Research Study Group

Thematic Poster: The best clinical approach to lung diseases
Chairs: Maurizio Marvisi (Cremona, Italy), Mohankumar Thekkinkattil (COIMBATORE (TAMIL NADU), India), Simon Brill (London, United Kingdom), Nikolaos M. Siafakas (Heraklion, Crete, Greece)

Endobronchial aspergilloma: A case report and literature review
Bing Li (Shanghai, China), Bing Li, Dongdong Huang, Haiqing Chu, Zhemin Zhang, Jun Zhang
PA3716  Pulmonary hemorrhage syndrome associated with dengue hemorrhagic fever - A rare case report from western India
R. K. Chopra (Pune, India), R.K. Chopra, Nidhi Dixit, Aditi Takale, Sourabh Jain, Vaibhav Pandharkar

PA3717  Evaluation of incidental lung cancer in hospitalized patients with non-respiratory disease
Naoya Miyashita (Tokyo, Japan), Naoya Miyashita, Yu Mikami, Hidenori Kage, Kosuke Makita, Hideyuki Takeshima, Hirotaka Matsuzaki, Yasuhiro Yamauchi, Goh Tanaka, Daiya Takai, Yutaka Yatomi, Takahide Nagase

PA3718  An uncommon case of recumbent dyspnea - Have a look to the diaphragm
Francesca Cemmi (Pavia, Italy), Francesca Cemmi, Thomas Galasso, Valentina Conio, Alessandro Cascina, Andrea Cortese, Federica Meloni, Isa Cerveri

PA3719  A case of Non-Hodgkin lymphoma mimicking diffuse parenchymal lung disease
Oya Baydar (ADANA, Turkey), Ismail Hanta, Efraim Güzel, Oya Baydar, Emine Kılıçbagir, Alper Avci

PA3720  Idiopathic arteriovenous malformation (AVM) presenting in the 34th week of pregnancy
Artemios Dimitriou (NICOSIA, Cyprus), Artemios Dimitriou, Charoula Chadjikosta, George Minas, Nikos Koronakis, Andreas Georgiou

PA3721  Pulmonary tuberculosis and lung cancer: A complex interaction
insaf mejri (tunis, Tunisia), Insaf Mejri, Besma Ourari, Hela Cherif, Jihen B. Amar, Heifa Zaibi, Saloua Azzabi, Med Ali Baccar, Hichem Aouina

PA3722  Serum alkaline phosphatase may play a role in the differential diagnosis of sarcoidosis and tuberculosis?
Seda Tural Önür (Istanbul, Turkey), Seda Tural Önür, Sinem Iliaz, Raim Iliaz, Sinem Sökücü, Cengiz Özdemir

PA3723  Pseudo hyperinflation of lung in patients with achalasia
Jelena Jankovic (Beograd, Republic of Serbia), Jelena Jankovic, Branislava Milenkovic, Vladimir Zugic, Natasa Djudjevic, Javorka Mitic

PA3724  Improving anticoagulation practice in respiratory patients with non-valvular atrial fibrillation
Andrew Pugh (Thame, United Kingdom), Andrew Pugh, Charlotte Campbell

PA3725  The diagnostic of the respiratory pathology in patients with rheumatoid arthritis (RA)
Larisa Botvinikova (Dniepropetrovsk, Ukraine), Larisa Botvinikova

PA3726  Applicability of TBNA to peripheral lung lesion when transbronchial biopsy fails
HongLyeol Lee (Incheon, Republic of Korea), HongLyeol Lee, Cheol Woo Kim

PA3727  Clinically important drug interactions with anti-infective agents in critically ill patients with respiratory disorders
Shadi Baniasadi (Tehran, Islamic Republic of Iran), Shadi Baniasadi, Maryam Alehashem, Amirali Mahboobipour, Behrooz Farzaneh

PA3728  Postoperative pulmonary complications after surgical cytoreduction for gynocological malignancies: Review of 306 patients
Özlem Salman Sever (ANKARA, Turkey), Özlem Salman Sever, Balam Er Dedekarginoglu, Elif Kupeli, Ali Ayhan, Gaye Ulubay

PA3729  EUS-assisted lung disease evaluation - A Portuguese single centre 9-year experience
Margarida Vargas-Castanho (Lisboa, Portugal), Margarida Vargas-Castanho, Teresa Martín Rioja, Marta Patita, Pedro Pinto-Marques, Fernando Menezes, Helena Grumete, Jorge Soares, Jorge Roldão-Vieira

PA3730  Prevalence of ocular sarcoidosis in patients with intra thoracic sarcoidosis
Muhammad Hussain (Workshop/ Nottinghamshire, United Kingdom), Muhammad Hussain, Hazim Mahdi, Mohammed Hassan

Thematic Poster: Latest insights into the management of chronic respiratory diseases
Chairs: Vasileios Andrianopoulos (Schöna u. Königsee, Germany), Laura Ciobanu (Iasi, Romania), Celso R. F. Carvalho (SAO PAULO/SP, Brazil), Tim Trinidad (Quezon City, Philippines)

PA3731  Assessing symptom burden in patients with advanced COPD - Is CAT enough?
Rosie Meharry (Glasgow, United Kingdom), Rosie Meharry, David Anderson

PA3732  Air travel in patients on long term oxygen therapy: Lying low or flying high?
Christina D. Campbell (Dublin 6, Ireland), Christina Campbell, Matthew W Smyth, Lindsay Brown, Emer Kelly
Comparative analysis of bioimpedance methods for the nutritional assessment of respiratory patients
Maria del Pilar Cejudo Ramos (Seville, Spain), Maria del Pilar Cejudo Ramos, Aixa Garcia, David Naranjo-Hernández, Laura Roa, Gerardo Barbarov-Rostán, Rosa Vazquez Sanchez, Eduardo Marquez-Martín, Luis Javier Reina-Tosina, Francisco Ortega Ruiz

Palliative care in advanced COPD: A community survey in Spain
Sandra PEDRERO TEJADA (Santurtzi (Vizcaya), Spain), Sandra Pedrero Tejada, Patricia Sobradillo Eceñaro, Marta Inchausti Iguiñiz, Nuria Marina Malanda, Maria Alfonso Imizcoz, Bernardino Alcazar Navarrete

Validation of the brief pain inventory in people with chronic obstructive pulmonary disease
Wendy Darlene Reid (Vancouver, BC, Canada), Wendy Darlene Reid, Yi-Wen Chen, Bahareh HajGhanbari, Harvey Coxson

Self-management education using interactive application software for tablet computer to improve health status in patients with COPD: A randomized controlled trial
Emika Sano (mitaka-shi, Japan), Emika Sano, Jun Ueki, Shinichi Sasaki, Sachiko Kuriyama, Keiko Muraki, Osamu Nagashima, Keiko Hino, Megumi Ikeda, Shigeru Tominaga

Integration of hospital and community COPD services including pulmonary rehabilitation can improve patient care and reduce hospital stays
Michael Apps (Brentwood, United Kingdom), Michael Apps, Dipak Mukherjee, Syed Abbas, Jan Minter, James Whitfield

Sleep quality, fatigue and mental health status among mild to severe COPD patients
Islam Mejri Ep Ajili (Hammamlif Ben Arous, Tunisia), Islam Mejri Ep Ajili, Zied Moatemri, Selsabil Daboussi, Samira Mhamdi, Chiraz Aichaouia, Rezaieg Cheikh

Fewer disease problems changes breathing pattern by breathing control exercises in COPD
Ulrich Mack (OSLO, Norway), Christine Raheim Borge, Ulrich Mack, Martha Lein, Anne Marit Mengshoel, Ernt Omenaas, Torbjørn Moum, Astrid Wahl

"It lifts your spirits and you come away feeling lighter" - Patient experience of British Lung Foundation singing groups
Nick Hopkinson (LONDON, United Kingdom), Heather McKee, Phoene Cave, Mayana McDermott, Nick Hopkinson

Do not attempt resuscitation decisions (DNACPR): Do we fulfil the human rights act?
Marianne Tinkler (Bristol, United Kingdom), Marianne Tinkler, Katherine Millington

Domain-specific cognitive impairment in patients with COPD and control subjects
Fiona Cleutjens (Oirschot, Netherlands), Fiona Cleutjens, Frits Franssen, Martijn Spruit, Lowie Vanfleteren, Candy Gijsen, Jeanette Dijkstra, Rudolf Ponds, Emiel Wouters, Daisy Janssen

Chronic obstructive pulmonary disease phenotypes, nutritional status and the risk of falls
Emanuela Tudorache (Timisoara, Romania), Emanuela Tudorache, Cristian Oancea, Alexandru Crisan, Camelia Pescaru, Ovidiu Fira-Mladinescu, Voicu Tudorache

Effect of nasal high flow oxygen in chronic airway disease on quality of life and hospital admissions
Ilanit Meijntz-Valentijn (Stittard, Netherlands), Ilanit Meijntz-Valentijn, M.C. Gubbelmans, G.J. de Vries

Testing the validity of a self-administered questionnaire version of the transition dyspnea index in COPD patients
Andreas von Leupoldt (Leuven, Belgium), Andreas von Leupoldt, Thomas Reijnders, Michael Schuler, Michael Wittmann, Danijel Jelusic, Sibylle Petersen, Konrad Schultz

Cognitive impairment and clinical characteristics in patients with COPD
Fiona Cleutjens (Oirschot, Netherlands), Fiona Cleutjens, Martijn Spruit, Rudolf Ponds, Lowie Vanfleteren, Frits Franssen, Candy Gijsen, Jeanette Dijkstra, Emiel Wouters, Daisy Janssen

Cross cultural adaptation of the exercise self-regulatory efficacy scale (Ex-SRES) in Chinese patients with chronic obstructive pulmonary disease
Yu-Ju Chen (Taipei, Taiwan), Yu-Ju Chen, Amy H.J.T. Davis

Physicians’ attitudes to dyspnoea management in advanced chronic obstructive pulmonary disease (COPD)
Natasha Smallwood (Melbourne, VIC, Australia), Natasha Smallwood, David Currow, Sara Booth, Anna Spathis, Louis Irving, Jennifer Philip

Is COPD a risk factor for electrocardiographic abnormalities and cardiac arrhythmias?
Laura Ciobanu (Iasi, Romania), Laura Ciobanu, Vasile Maciuc, Doina Clementina Cojocaru

Effects of oscillatory positive expiratory pressure on mucus draining, rheological property and lung mechanics: Comparison of Acapella® versus Vibr-alung®
Tetsuo Miyagawa (Yokohama Kanagawa, Japan), Tetsuo Miyagawa, Tomomi Ichiba
Thematic Poster: Latest insights into chronic care

Chairs: Judith Garcia Aymerich (BARCELONA, Spain), Michele Vitacca (Gussago, Italy), Nickolas Koulouris (Athens, Greece), Dinesh Shrikrishna (Bristol, United Kingdom)

**PA3751** Heated air humidification vs. cold air nebulisation in tracheotomised patients increases cilia beat frequency in tracheal epithelium and reduces frequency of suctioning procedures
Richard Birk (Mannheim, Germany), Richard Birk, Alexander Händel, Boris A. Stuck, Karl Hörmann, J. Ulrich Sommer

**PA3752** Developing integrated symptom-based diagnostic pathways: how do adults with breathlessness currently present to secondary care?
Irene VALERO SANCHEZ (LEICESTER, United Kingdom), Irene Valero Sanchez, Richard J. Russell, Thomas Ward, Anpo Babu, Rachael Evans

**PA3753** Lifestyle intervention in a morbid obese population where bariatric surgery is not an option
Finn Wammer (Aalesund, Norway), Finn Wammer, Andrea Haberberger, Bjørn Andreassen, Sveinung Vemøy, Anita Dyb Linge, Dag Arne Lihaug Hoff

**PA3754** A delphi process defining ‘chronic breathlessness syndrome’: A distinct clinical entity
Miriam Johnson (Hull, United Kingdom), Miriam Johnson, Janelle Yorke, David Currow

**PA3755** The contributing factors to mean pulmonary artery pressure in idiopathic pulmonary fibrosis
Shinichi Arizono (Hamamatsu/Shizuoka, Japan), Shinichi Arizono, Hiroyuki Taniguchi, Yasuhiro Kondoh, Tomoki Kimura, Kensuke Kataoka, Tomoya Ogawa, Fumiko Watanabe, Kazuyuki Tabira, Ryo Kozu

**PA3756** Differences in patient characteristics and associations with comorbid load in Dutch and Australian COPD patients
Anke Lenferink (Oldenzaal, Netherlands), Anke Lenferink, Job van der Palen, Peter Frith, Paul van der Valk, Tanja Effing

**PA3757** Exploring the relationship between psychological dysfunction and perceived symptoms in the Wessex Asthma Cohort of difficult asthma (WATCH) study
Ben Ainsworth (Southampton, United Kingdom), Ben Ainsworth, Ramesh Kurukulaaratchy, Esme Bain, Jonathan Griffiths, Mike Thomas

**PA3758** Preferences of patients with asthma and COPD for components of inpatient pneumological rehabilitation: A discrete choice experiment
Ines Aumann (Hannover, Germany), Ines Aumann, Katharina Schmidt, Kathrin Damm, Heike Buhr-Schinner, Jochen van der Meyden, Konrad Schultz, Heidrun Lingner

**PA3759** Tracheostomy decannulation in chronic severe brain injury patients: The role of fiberbronchoscopy
Barbara Lanini (Firenze, Italy), Barbara Lanini, Barbara Binazzi, Isabella Romagnoli, Camilla Grifoni, Carla Castellani, Ariela Tofani, Lorenzo Corbetta, Francesco Gigliotti

**PA3760** Prevalence of depression in children with asthma
Khashayar Mirab Zadeh (Tehran, Islamic Republic of Iran), Khashayar Mirab Zadeh, Bamdad Mirab Zadeh, Fatemeh Ghassem Boroujerdi, Mitra Safa, Soheila Khalil Zadeh

**PA3761** Effects of four different mechanically assisted coughing procedures on pulmonary function in patients with neuromuscular disease
Kazuto Kikuchi (Akita, Japan), Kazuto Kikuchi, Masahiro Satake, Fumihiko Onozaki, Yukihiro Sugimoto, Toru Kato, Itsuki Sato, Mika Matsuura, Yukiko Sawamura, Koudai Sugawara, Miki Kikuchi, Michio Kobayashi, Chizu Wada, Takanobu Shioya

**PA3762** Findings bronchoscopy in tracheostomised children
Claudia Astudillo Maggio (Santiago, Chile), Claudia Astudillo Maggio, Gregory Villarreal, Paloma Farias, Ana Moya, Mireya Mendez

**PA3763** A comparative effectiveness review: Responsiveness of patient outcome measures (POMs) in outpatient-based cardiac and respiratory rehabilitation
Flora-Joan van Rotterdam (Blackalls Park, Australia), Flora-Joan van Rotterdam, Michael Hensley, Michael Hazelton

**PA3764** Validity and intra-class reliability of spirometry using a mask instead of a mouthpiece
Kenichi Ito (Harikino-shi, Osaka, Japan), Kenichi Ito, Koji Nonaka, Shohei Takeda, Takeshi Nishikawa, Kunihiko Anami, Jun Horie, Morihiro Tsujishita, Hirobumi Kawamura

**PA3765** Vertebral deformity and hyperkyphosis in people with chronic obstructive pulmonary disease
Wendy Darlene Reid (Vancouver, BC, Canada), Wendy Darlene Reid, Yi-Wen Chen, Harvey Coxson

**PA3766** Weaning from prolonged mechanical ventilation (PMV): Impact of a specialist centre
Piers Dixey (London, United Kingdom), Piers Dixey, Mohammed Nedham, Patrick Murphy, Nick Hart, Jeorg Steier, Philip Marino, Lucy Mcgee
PA3767 Palliation of patients with chronic obstructive pulmonary disease (COPD)
Natasha Smallwood (Melbourne, VIC, Australia), Natasha Smallwood, John Taverner, Claire Bartlett, Lauren Ross, Louis Irving, Jennifer Phillip

PA3768 Validation of the multi-independence dimensions (MIND) questionnaire for prolonged mechanical ventilated patients
Javier Murcia (Bogota, Colombia), Javier Murcia, Joao Winck, Hélène Gilet, Peter Kalin, Fabian Plano, Antoine Regnault, Michael Dreher, Michele Vitacca, Nicolino Ambrosino

PA3769 Postural instability and sleep disorder in the elderly
Masashi Kanezaki (Himeji, Japan), Masashi Kanezaki

PA3770 Obesity hypoventilation syndrome with chronic respiratory insufficiency versus chronic obstructive pulmonary disease with obesity: Similar versus nonsimilar characteristics
Feyza Kargin (STANBUL, Turkey), Nezihe Ciftaslan Goksenoglu, Eylem Acarturk Tuncay, Feyza Kargin, Emine Aksoy, Huriye Berk Takir, Sinem Gungor, Fulya Cigiltepe, Ozlem Yazicioglu Mocin, Gokay Gungor, Nañal Adiguzel, Zuhal Karakurt

Thematic Poster: Hospitalisation and comorbidities in chronic lung diseases

**PA3771** Pulmonary rehabilitation for acute exacerbations of chronic obstructive pulmonary disease (COPD): A systematic review
Elizabeth Moore (London, United Kingdom), Elizabeth Moore, Thomas Palmer, Roger Newson, Azeeem Majeed, Jennifer Quint, Michael Soljak

**PA3772** Early supported discharge/hospital at home for exacerbation of chronic obstructive pulmonary disease, A review and meta-analysis
Carlos Echevarria (Newcastle, United Kingdom), Carlos Echevarria, Karen Brewin, Hazel Horobin, Andrew Bryant, John Steer, Stephen C. Bourke

**PA3773** Respiratory muscles trainings are effective in lowering the pneumonia frequency in patients with heart failure and chronic obstructive pulmonary disease
Elena Kolesnikova (Moscow, Russian Federation), Elena Kolesnikova, Gregory Arutyunov, Olga Kostyukevich, Anna Ryllova

**PA3774** COPD specific comorbidities: A prospective, objective and controlled evaluation

**PA3775** Effects of pulmonary rehabilitation on exacerbation number and severity in people with chronic obstructive pulmonary disease (COPD)
Elizabeth Moore (London, United Kingdom), Elizabeth Moore, Roger Newson, Kieran Rothnie, Miland Joshi, Thomas Palmer, Michael Soljak, Jennifer Quint

**PA3776** Prevalence of metabolic syndrome in patients with chronic obstructive pulmonary disease
Jamol Uzokov (Tashkent, Uzbekistan), Jamol Uzokov, Anis Alyavi, Bekzod Karimov

**PA3777** Frequency of adverse consequences after spirometry in patients with chronic obstructive pulmonary disease and concomitant ischemic heart disease
Daria Didenko (Vinnitsa, Ukraine), Daria Didenko, Lesya Rasputina, Yuriy Mostovoy, Nataliya Cherepii

**PA3778** Anemia in patients with chronic obstructive pulmonary disease - Association with comorbidities
Tina Gissel (Viborg, Denmark), Tina Gissel, Anne Pernille Toft-Pedersen, Michael Skov Jensen, Ulla Möller Weinreich, Nils Milman

**PA3779** Risk factors for another hospitalization in COPD patients hospitalized for exacerbation
emna ben jemia (TUNIS, Tunisia), Emna Ben Jemia, Ines Zendah, Hamida Kwas, Emna Guermazi, Amel Khattab, Habib Ghedira

**PA3780** A retrospective cohort study demonstrating the impact of an OPEP device on exacerbations in COPD patients with chronic bronchitis
Jason Suggett (London, Canada), Jason Suggett

**PA3781** Is there benefit from proactive case-detection of left ventricular systolic dysfunction (LVSD) using BNP in patients with advanced COPD?
Ben James (Leicester, United Kingdom), Ben James, Neil Greening, Nicole Toms, Michael Steiner, Rachael Evans
PA3782 Analysis of the quality of rehabilitation in disabled due to COPD in Ukraine
Nataliia Sanina (Dnipropetrovsk, Ukraine), Nataliia Sanina, Svitlana Panina, Nataliia Gondulenko

PA3783 Relationship between emergency admission and exercise capacity in patients with COPD
Ilknur Naz (Izmir, Turkey), Hulya Sahin, Ilknur Naz, Isil Karasu, Nimet Aksel

PA3784 Forced oscillations technique can highlight the effects of bronchial airways clearance in COPD
Isabella Romagnoli (FIRENZE, Italy), Isabella Romagnoli, Elisabetta Maria Romano, Barbara Lanini, Barbara Binazzi, Emanuele Vulpio, Alessio Lazzeri, Carla Castellani, Francesco Gigliotti

PA3785 Identification of oxidative stress markers and their association with inflammation in smokers and early chronic obstructive pulmonary disease (COPD)
Laura Caram (Conchas, São Paulo, Brazil), Laura Caram, Renata Ferrari, Duelele Nogueira, Flavia Nogueira, Katina Souza, Nayara Arruda, Mariana Braz, Suzana Tanni, Camila Corrêa, Irma Godoy

PA3786 The effect of pulmonary rehabilitation on oxidative stress after acute exacerbation in COPD
Zsuzsanna Kelemen (Kunszentmiklós, Hungary), Zsuzsanna Kelemen, Orsolya Drozdovszky, Maria Kerti, Zsuzsanna Balogh, Imre Bartá, Balázs Antus, János Tamás Varga

PA3787 Effectiveness of the "living well with COPD" intervention on coping, smoking behavior and exacerbations in patients from Swiss primary care: A non-randomized controlled study
Claudia Steurer-Stey (Zurich, Switzerland), Claudia Stey, Julia Braun, Violeta Gaveikaite, Stefan Markun, Kaba DallaLana, Milo Puhun

PA3788 Action plans with brief patient education only for exacerbations in COPD: A systematic review
Julia Walters (Hobart, TAS, Australia), Julia Walters, Maxwell Howcroft, Richard Wood-Baker, E. Haydn Walters

PA3789 Home care for patients hospitalized for exacerbation of COPD
Felipe Villar Alvarez (MADRID, Spain), Felipe Villar Alvarez, Diana Sánchez Mellado, Itziar Fernández Ormaechea, Laura Álvarez Suárez, María José Checa Venegas, Rebeca Armenta Fernández, María Teresa Gómez del Pulgar Murcia, Elena Cabezas Pastor, Andrés Giménez Velando, Germán Peces-Barba Romero

PA3790 The impact of comorbidities on pulmonary rehabilitation outcomes in patients with COPD
Anastasios Kallianos (Athens, Greece), Anastasios Kallianos, Maria Charikiopoulou, Ioannis Arapis, Lemonia Velentza, Alexandros Kokkolios, Maria Bleta, Georgia Trakada, Aggeliki Rapti

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Thematic Poster: A view into a chest and pleural pathology

Chairs: Reinhard Kubale (Pirmasens, Germany), Lavinia Davidescu (Oradea/Bihor, Romania), Wim Vos (Heist-op-den-Berg, Belgium). Chair to be confirmed

PA3791 Role of chest ultrasonography in prognosis of community-acquired pneumonia
Davis Kizhakkepeedika Rennis (THRISSUR (KERALA), India), Davis Kizhakkepeedika Rennis, Anas Muhammed

PA3792 Ultrasonic characteristics of community acquired pneumonia in children
Vojko Berce (Murska Sobota, Slovenia), Vojko Berce, Maja Tomazin, Brigita Koren

PA3793 Ultrasound-guided transthoracic biopsy of the peripheral lung tumors—why do we need it?
Lavinia Davidescu (Oradea/Bihor, Romania), Lavinia Davidescu, Dumitru Dragnea, Ruxandra Ulmeanu, Dana Olar

PA3794 The risk of pneumothorax in ultrasonographic guided transthoracic lung biopsy
Lavinia Davidescu (Oradea/Bihor, Romania), Lavinia Davidescu, Dumitru Dragnea, Ruxandra Ulmeanu, Dana Olar, Alina Popa

PA3795 Ultrasonic assessment of accessory respiratory muscles (RM) in young men and women with joint hypermobility
Lemeschewskij Alexandr (Minsk, Belarus), Lemeschewskij Alexandr, Lemiasheuskaya Sviatlana, Alekseyev Sergey, Makarevich Alexandr

PA3796 Hypoechogenicity index (HI) as a novel, pleural effusions’ grayscale sonographic parameter and its correlation with fluid’s analysis results
Alexander Kalkanis (Larissa, Greece), Alexander Kalkanis, Charalampos Varsamas, George Vavougios, Konstantinos Gourgoulianis

PA3797 B lines: Role of chest sonography in assessment of bronchiectasis
Mohamed Barakat (Assiut, Egypt), Mohamed Barakat

PA3798 Study of prevalence & ultrasonographic characteristics of carotid plaques in patients with COPD: An Indian perspective
Parag Khatavkar (Pune, Maharashtra, India), Manas Mengar, Madhav Kale, Parag Khatavkar, Kedar Korde
Possible use of chest ultrasonography in asbestos related lung diseases
Andrea Smargiassi (ROMA, RM, Italy), Andrea Smargiassi, Giuliana Pasciuto, Ilaria Pedicelli, Erminia Lo Greco, Mariarosaria Calvello, Riccardo Inchingolo, Gioacchino Schifino, Patrizio Capoluongo, Pasquale Patriciello, Maurizio Manno, Alfonso Cirillo, Gino Soldati, Ivo Iavicoli

Use of a calcium sensitizer to improve diaphragmatic motility in difficult weaning
Lucia Morelli (Naples, Italy), Lucia Morelli, Claudia Serra, Mario Guarino, Fabio Numis, Ilaria Vernoni, Imma Cortile, Luisa Isabella Siniscalchi, Rita Lebano

Ultrasound assessment of diaphragmatic function in subjects with COPD
Marco Rossetti (Rome, Italy), Marco Rossetti, Paolo Marinelli, Irene Turinese, Marcello Di Paolo, Matteo Bonini, Paolo Palange

Accuracy and clinical impact of point-of-care lung ultrasound performed by respiratory physicians
Giuseppe Francesco Sferrazza Papa (Milano, MI, Italy), Giuseppe Francesco Sferrazza Papa, Michele Mondoni, Giovanni Volpicelli, Paolo Carlucci, Fabiano Di Marco, Elena Maria Parazzini, Francesca Reali, Giulia Michela Pellegrino, Paola Fracasso, Simone Sferrazza Papa, Livio Colombo, Stefano Centanni

Unindustrial asbestosis of pleura
Victor Kolosov (Blagoveshchensk, Amur Oblast, Russian Federation), Anatoliy Lenshin, Victor Kolosov, Andrey Il’in, Juliy Perelman

Computed tomography pulmonary angiogram (CTPA) usage in patients with suspected pulmonary embolism (PE) in Queen Elizabeth Hospital
Vasiliki Tsampasian (Kings Lynn, United Kingdom), Mitra Sadeghi, Vasiliki Tsampasian, Arun Arya

Association of esophageal dilatation in chest CT scan with gastroesophageal reflux disease: A case control study
Hanieh Raji (AHWAZ, Islamic Republic of Iran), Hanieh Raji, Seyed Ali JavadMoosavi, Seyed Jalal Hashemi, Esmaeil Idani, Ali Javaherfournoushzaadeh

Utility of high-resolution computed tomography for the rapid diagnosis of sputum smear and PCR-negative pulmonary tuberculosis
Jae Seuk Park (Chonan, Republic of Korea), Jae Seuk Park, Ku Hyun Hong, Doh Hyung Kim

Do doctors understand the test characteristics of lung cancer screening? - A randomized trial
Georg-Christian Funk (WIEN, Austria), Richard Schmidt, Robab Breyer-Kohansal, Marie Kathrin Breyer, Matthias Urban, Georg-Christian Funk

Profile and nodule characteristics of patients with incidental solid pulmonary nodules
Georgia Hardavella (London, United Kingdom), Apheera Hussain, Anum Azhar, Shohidul Islam, Georgia Hardavella, Sujal Desai

Profile and nodule characteristics of patients with incidental subsolid pulmonary nodules (SSN)
Georgia Hardavella (London, United Kingdom), Anum Azhar, Apheera Hussain, Shohidul Islam, Sujal Desai, Georgia Hardavella

CT-guided percutaneous lung needle biopsy in patients with haematological diseases
Oana Anitei (SURESNES, France), Oana Anitei, Francois Mellot, Helene Salvador, Axl Guth, Elisabeth Rivaud, Fabrice Staub, Emilie Catherinot, Louis-Jean Couderc

Radiographic changes in patients with tumor necrosis factor alpha inhibitor and immunomodulatory drug users: Four years follow up
Öner Balbay (Duzce, Turkey), Zeynep Burcin Yilmaz, Peri Meram Arbak, Tugçe Pasin, Esma Uslu, Ege Güleç Balbay, Öner Balbay

Correlation of diffusion MRI with the KI-67 index in non-small cell lung cancer
Metin Akgün (Erzurum, Turkey), Adem Karaman, İrmak Durur-Subasi, Fatih Alper, Omer Araz, Mahmut Subasi, Elif Demirci, Mevlut Albayrak, Gokhan Polat, Metin Akgün, Nevzat Karabulut

Applicative value of chest HRCT for bronchiectasis evaluating in pulmonary infection with pseudomonas aeruginosa in patients with cystic fibrosis
Ludmila Balanetchi (Chisinau, Republic of Moldova), Ludmila Balanetchi, Svetlana Sciuca, Maxim Crivceanchi, Cecilia Grigore, Aliona Cotoman, Eugenia Crivceanchi
The role of MDCT in the management of hemothorax in traumatized patients
Bruna Malta (Ravenna, Italy), Bruna Malta, Caterina Albieri, Stefano Tartari, Clorinda Montalto, Zairo Ferrante, Francesco Feletti, Andrea Aliverti, Giorgio Benea, Melchiorre Giganti

Attenuation change of lung nodules according to variation of examination techniques in low dose CT using iterative reconstruction: A phantom study
Kyung Joo Park (Suwon, Republic of Korea), Jae Yong Cho, Kyung Joo Park, Joo Sung Sun, Joo Heon Park

Prevalence and clinical significance of pulmonary disease found incidentally by coronary CT
Atsushi Kitamura (Tokyo, Japan), Atsushi Kitamura, Kouhei Okafuji, Hiroshi Nakaoka, Tomoyuki Tanigawa, RyoSUKE Tsugitomi, Yutaka Tomishima, Takahito Jinta, Naoki Nishimura, Tomohide Tamura, Naohiko Chohnamabashi

Estimation of the doses of ionizing radiation related to diagnostic and follow-up imaging in patients with solitary pulmonary nodules
Marta D. Browska (Warsaw, Poland), Marta Dabrowska, Marta Maskey-Warzechowska, Malgorzata Kobylecka, Malgorzata Zukowska, Rafal Krenke

Long-term results obtained by cardiovascular magnetic resonance imaging and somatostatin receptor PET in cardiac sarcoidosis
Carmen Pizarro (Bonn, Germany), Carmen Pizarro, Folke Kluenker, Darius Dabir, Florian Gärtner, Christian Grohé, Georg Nickeleng, Dirk Skowasch

MR imaging of lung parenchymal changes in sarcoidosis
Sebastian Ley (Munich, Germany), Sebastian Ley, Hedwig Schenk, Michaela Karl, Almuth Pforte

Radiologic features of lung involvement in young patients with viral pneumonia
Anastasiya Belozertseva (Saint-Petersburg, Russian Federation), Anastasiya Belozertseva, Olga Lukina, Aleksandra Spersanskaya, Maksim Stalkov, Inna Voydak, Viktor Amosov

Agreement between MRI and CT in postnatal evaluation of congenital lung malformations
Andrea Farolfi (Milano, MI, Italy), Andrea Farolfi, Alessandra Primolevo, Salvatore Zirpoli, Alice Marianna Munari, Alessandra Zenga, Giovanna RicciPetitoni, Andrea Righini, Gian Vincenzo Zuccotti

Cystic adenomatoid malformation of the lung in adult patients: Clinicoradiological features and surgical management
Paola Lucia Arrieta Narvaez (Madrid, Spain), Paola Lucia Arrieta Narvaez, Luis Gorospe Sarasúa, Gema Muñoz Molina, Rosa Maria Llebarbaux Villalona

Pulmonary sequestration: Beyond surgery...
Telma Chantal Almeida Sequeira (Carnaxide, Portugal), Telma Chantal Almeida Sequeira, Natalie Antunes, Luciana Bento, José Pedro Boléo Tomé, Rosana Santos, Olivia Fernandes, Luisa Figueiredo

Chest CT findings in premature born children with bronchopulmonary dysplasia
Svetlana Sciuca (Chisinau, Republic of Moldova), Evgenia Criveanuca, Rodica Selevestru, Maxim Criveanschii, Aliona Cotoman, Svetlana Sciuca

Kartagener syndrome: A quick glance through a case series misdiagnosed as asthma
Bikemgül Özkara (ANKARA, Turkey), Bikemgül Özkara, Gökcan Okur

Results of a spiral computer tomography are basis of a modeling of a children thorax
Olga Semernik (Rostov-on-Don, Russian Federation), Olga Semernik

LATE-BREAKING ABSTRACT: Molecular imaging with CXCR4-gallium-68-pentixafor PET correlates with GAP index and treatment effects in idiopathic pulmonary fibrosis
Antje Prasse (HANNOVER, Germany), Antje Prasse, Danny Jonigk, Tobias Welte, Bengel Frank, Derlin Thorsten

LATE-BREAKING ABSTRACT: A large airway phenotype among symptomatic smokers with preserved pulmonary function: The subpopulations and intermediate outcome measures in COPD study (SPIROMICS)
Benjamin Smith (New York, United States of America), Benjamin Smith, Eric Hoffman, Eugene Bleecker, Russell Bowler, Chris Cooper, David Couper, Alejandro Comellas, Mark Dransfield, Han MeLan, Nadia Hansel, Jerry Krishnan, Fernando Martinez, Robert Paine, Stephen Remmard, Prescott Woodruff, R. Graham Barr

LATE-BREAKING ABSTRACT: The correlations of automated lung emphysema analysis software results with pulmonary function test
Eritjan Tashi (Fier, Albania), Eritjan Tashi, Perlat Kapisiyzi, Sofiela Telo, Mirela Tabaku, Eugerta Dilka

Thematic Poster: Airway stenting and ablation

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<td>Biodegradable stents: Our results in 23 patients with tracheal narrowing</td>
<td>Hervé Dutau (MARSEILLE, France), Peter I. Bonta (Amsterdam, Netherlands), Gregoris Stratakos (Athens, Greece), Ralf Eberhardt (Heidelberg, Germany)</td>
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<td>Y-metal-stents and upper lobe carina</td>
<td>Franz Stanzel (Hemer, Germany), Franz Stanzel, Uta Wuelfing, Ulrich Klein, Joern Brune</td>
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<td>First experience with a biodegradable endobronchial stent in a case of bronchomalacia</td>
<td>Tino Schneider (St. Gallen, Switzerland), Tino Schneider, Florent Baty, Lukas Kern, Joerg Hansen, Martin Brutsche</td>
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<td>Management of airway involvement in patients with advanced esophageal cancer</td>
<td>Carolina Castro de Sousa (Lisboa, Portugal), Carolina Castro de Sousa, Carla Simão, José Pedro Boléo-Tomé, Rui Costa, Fernando Rodrigues</td>
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<td>An attempt to remove tracheal stents earlier: The combined use of topical mitomycin C and silicon stent insertion</td>
<td>Jaechun Lee (Jeju, Republic of Korea), Jaechun Lee, Changhwan Kim</td>
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<td>Management of bronchial stenosis due to right-sided aortic arch and descending aorta using bronchial Y stent</td>
<td>Ekrem Cengiz Seyhan (İstanbul, Turkey), Ekrem Cengiz Seyhan, Mehmet Akif Özgül, Erdogan Çetinkaya, Guler Ozgul</td>
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<td>Rigid bronchoscopy and large airway intervention: A review of 1,379 cases at a single tertiary UK centre</td>
<td>Lola Loewenthal (London, United Kingdom), Lola Loewenthal, Emily Shaw, Brendan Madden</td>
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<td>&quot;Cooking the beast&quot; microwaves: A new fast method for reopening the airways</td>
<td>Michela Bezzi (Brescia, Italy), Michela Bezzi, Marco Trigiani, Mauro Novali, Stefano Orsi, Stefano Vezzosi, Guido Biffi Gentili</td>
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<td>Bronchial thermoplasty in patients with very severe asthma: Safety and clinical outcomes</td>
<td>Paola Antonella Benedetti (Madrid, Spain), Paola Antonella Benedetti, José Javier García López, Ingrid Frás Bezant, Milagros Llanos Flores, Alicia Oliva Ramos, M. Sánchez Casado, Luis Puente Maestu</td>
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<td>Short-term effects of bronchial thermoplasty on pulmonary function in patients with severe asthma</td>
<td>Motoyasu Iikura (Tokyo, Japan), Motoyasu Iikura, Satoru Ishii, Shinyu Izumi, Masayuki Hojo, Haruhiro Sugiyama</td>
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<td>Bronchial thermoplasty in uncontrolled severe persistent asthma. Preliminary results</td>
<td>Eli Nancy Perez Rodas (BARCELONA, Spain), Eli Nancy Perez Rodas, Patricia Raya, Carlos Martinez Rivera, Felipe Andreo Garcia, Carmen Centeno, Pere Serra, Gloria Bonei, Jose Sanz, Marisa Rivera, Juan Ruiz</td>
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<td>Endobronchial radiofrequency ablation for verrucous carcinoma of the trachea</td>
<td>Claus Steppert (Bayreuth, Germany), Claus Steppert, Florian Fuchs, Markus Neurath</td>
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<td>Foreign body aspiration: A 7-year retrospective review</td>
<td>Christine Silva Costa (Leiria, Portugal), Christine Silva Costa, Luís Martins, Salvato Feijó, Paula Monteiro, José Rosal Gonçalves, Cristina Bárbara</td>
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<td>Negative pressure-related complications after valves for emphysema: What else than pneumothorax</td>
<td>Hugo Goulart De Oliveira (Porto Alegre, Brazil), Hugo Goulart De Oliveira, Silvia Martins de Oliveira, Diogo Martins de Oliveira, Bruno Rocha Macedo, Amarilíio Viera de Macedo Neto</td>
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<td>Patient selection and efficacy of valve bronchoscopic lung volume reduction (BLVR) in emphysema</td>
<td>Michela Bezzi (Brescia, Italy), Michela Bezzi, Mauro Novali, Pierfranco Foccoli</td>
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<td>A novel non-surgical treatment of symptomatic congenital lobar emphysema</td>
<td>Mareike Price (HANNOVER, Germany), Mareike Price, Christoph Happel, Folke Brinkmann, Georg Hülskamp, Timothy Price, Gesine Hansen, Harald Bertram, Nicolaus Schwerk</td>
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<td>Role of quantitative perfusion scintigraphy evaluation in determination of the efficiency of the procedure before lung volume reduction coil (LVRC) treatment for severe emphysema</td>
<td>Fidan Yldz (İzmir, Turkey), Fidan Yildiz, İnan Karapolat, Güray Oncel</td>
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**Thematic Poster:** EBUS and transthoracic ultrasound
Learning curves for ultrasound guided lung biopsy in the hands of respiratory physicians
Therese Maria Henriette Naur (Copenhagen, Denmark), Christian Laursen, Therese Maria Henriette Naur, Uffe Bodtger, Lars Konge, Daniel Pilsgaard Henriksen, Sara Colella, Matiuallah Naqibullah, Valentina Minddlal, Jesper Romhild Davidsen, Niels Christian Hansen, Ole Graumann, Paul Frost Clementsen

Ultrasound guided true cut biopsy of peripheral lymph nodes as a staging procedure in patients with non-small cell lung cancer (NSCLC)
Rosen Petkov (SOFIA, Bulgaria), Rosen Petkov, Yordanka Yamakova

Transthoracic ultrasound can safely rule-out pneumothorax post-lung biopsy
Georgios Tsaknis (LEICESTER, United Kingdom), Georgios Tsaknis, Abdul Nasimudeen, Fiona McCann, Philip Pearson, Andrew Jeffrey

Diagnostic yield of EBUS-TBNA for mediastinal lymphoma
Serhat Erol (Ankara, Turkey), Serhat Erol, Onur Fevzi Erer, Ceyda Anar, Serir Aktogu, Zekiye Aydogdu

The diagnostic efficacy of EBUS-TBNA in tuberculous lymphadenitis
Serhat Erol (Ankara, Turkey), Serhat Erol, Onur Fevzi Erer, Ceyda Anar, Can Bicmen, Zekiye Aydogdu, Serir Aktogu

Prospective study of moderate versus deep sedation in endobronchial ultrasound guided transbronchial needle aspiration
Youcef Douadi (Saint Quentin, France), Isabelle Rault, Damien Basille, Marine Wallaert, Claire Andrejak, Emmanuelle Lecuyer, Florence Lemeunier, Remi Suguenot, Jean Baptiste Obstler, Hocine Bentayeb, Michiel Shinia, Dayen Charles, Vincent Joumieux, Youcef Douadi

Incidence of TB Lymphadenopathy on EBUS TBNA in renal failure v/s non renal failure patients
Umag Shah (Vadodara, Gujarat, India), Umag Shah, Nevin Kishore, Dinesh Khullar, Nitin Dayal, Palak Brahmbhatt

How to achieve the higher diagnostic yield using EBUS-TBNA method to confirm sarcoidosis?
ukasz Kasper (Krakow, Poland), Lukasz Kasper, Anna Andrychiewicz, Marta Kasper, Romana Tomaszewska, Jerzy Soja, Krzysztof Sladek

Safety and efficacy of ultrasound-guided lung biopsies in an outpatient physician-led service
Georgios Tsaknis (LEICESTER, United Kingdom), Georgios Tsaknis, Abdul Nasimudeen, Fiona McCann, Brian Richardson, Andrew Jeffrey

Usefulness of CT-guided percutaneous transthoracic needle biopsy with additional laser-guidance system
Dong II Park (Daejeon, Republic of Korea), Dong II Park, Ju Ock Kim, Sung Soo Jung, Hee Sun Park, Chae Uk Chung, Yeon Hee Park, Min Cheol Jeon

CT-guided transthoracic fine-needle aspiration vs core needle biopsy in diagnosis of lung cancer: A retrospective comparison of diagnostic accuracy
ALEXANDRA SULIANA MOGROVEJO CALLE (valencia, Spain), Alexandra Suliiana Mogrovejo Calle, Nieves Navarro, Ignacio Inchaurraga, Ildefonso Furest, Ruben Lera, Eva Martinez Moragon

Diagnostic value of endobronchial ultrasound elastography for the differentiation of benign and malignant intrathoracic lymph nodes
Viboon Boonsarngsu (Bangkok, Thailand), Viboon Boonsarngsu, Potjanee Korrungruang

Granulomatous inflammation detected by bronchoscopy with endobronchial ultrasound-guided transbronchial needle aspiration in patients with suspected cancer recurrence in the mediastinum
Elio Donna (Coral Gables, United States of America), Elio Donna

Endobronchial ultrasound (EBUS) transbronchial needle aspiration (TBNA) in germ cell cancer patients with mediastinal lymphadenopathy: A single centre retrospective analysis
Lars Schmidt (Munster, Germany), Lars Schmidt, Berit Lauterbach, Anna Hansmeier, Inken Hartig, Torsten Kessler, Christoph Schliemann, Arik Bernard Schulze, Eva Wardelmann, Gerald Pühse, Wolfgang Berdel, Rainer Wiewrodt, Michael Mohr

Isolated mediastinal lymphadenopathy - How does EBUS-TBNA perform in clinical practice?
Prasad Palani Velu (Edinburgh, United Kingdom), Prasad Palani Velu, Philip Reid, William Wallace, Kristopher Skwarski

Comparison of endobronchial and endoscopic ultrasound-guided needle aspiration performed by single ultrasound bronchoscope for diagnosis of sarcoidosis - A prospective study
Artur Szlubowski (Kracow, Poland), Anna Filarecka, Stanislaw Orzechowski, Ewa Laczynska, Maciej Gnass, Jerzy Soja, Juliusz Pankowski, Anna Obrochta, Adam Cmiel, Katarzyna Solarczyk-Bombik, Marcin Zielinski, Artur Szlubowski
Thematic Poster: Orphan diseases I

**Chairs:** Carlo Vancheri (Catania, CT, Italy), Marlies S. Wijsenbeek (Rotterdam, Netherlands), Effrosyni D. Manali (Athens, Greece), Spyridon Papiris (Athens, Greece)

**PA3866** Review of care in patients dying of pulmonary fibrosis in a district general hospital
Nevan Meghani (Salford, United Kingdom), Nevan Meghani, Beth Turnpenny, Abdul Ashish

**PA3867** Hypoxic challenge testing in idiopathic pulmonary fibrosis
Ian Cliff (STOKE-ON-TRENT, United Kingdom), Ian Cliff, Michael Hepple, Marie Hardy, Jacqueline Piggott, Pamela Birks, Monica Spiteri, Naveed Mustfa, Helen Stone

**PA3868** Clinical features of patients with idiopathic pulmonary upper lobe-dominant fibrosis
Shun Shinomiya (Saitama-ken, Japan), Shun Shinomiya, Yutaka Usui, Akiko Kaga, Makoto Nagata

**PA3869** Surfactant protein-D level as a predictor of prognosis of interstitial lung disease induced by anticancer agents in advanced lung cancer
Motoyasu Kato (Bunkyo, Tokyo, Japan), Motoyasu Kato, Shinichi Sasaki, Takehito Shukuya, Yasuhiito Sekimoto, Hiroaki Ihara, Ryo Koyama, Naoko Suimada, Osamu Nagashima, Fumiyuki Takahashi, Shigeru Tominaga, Kazuhsa Takahashi

**PA3870** Inhaled sargramostim and whole lung lavage (WLL) as therapy of autoimmune pulmonary alveolar proteinosis (aPAP)
Ilaria Campo (Pavia, Italy), Ilaria Campo, Francesca Mariani, Elena Paracchini, Zamir Kadija, Michele Zorzetto, Carmine Tinelli, Giuseppe Rodi, Federica Meloni, Matthias Greise, Bruce Trapnell, Gerhard Scheuch, Bernhard Muellinger, Maurizio Luisseti

**PA3871** Whole lung lavage therapy (WLL) of pulmonary alveolar proteinosis (PAP): A global survey of current practices and procedures
Ilaria Campo (Pavia, Italy), Ilaria Campo, Maurizio Luissetti, Matthias Greise, Bruce C. Trapnell, Francesco Bonella, Jan Grutters, Koh Nakata, Coline Van Moorsel, Ulrich Costabel, Vincent Cottin, Toshio Ichiwata, Yoshikazu Inoue, Antonio Braschi, Giacomo Bonizzoni, Giorgio Iotti, Carmine Tinelli, Giuseppe Rodi, WLL International Study Group

**PA3872** Short-term variation of lung function and airway inflammation in children and adolescents with bronchiolitis obliterans
Martin Rosewich (Bad Homburg, Germany), Martin Rosewich, Jonas Eckrich, Felix Michel, Ralf Schubert, Stefan Zielen

**PA3873** Establishment of the consecutive registration system for pulmonary alveolar proteinosis in Japan: Updated incidence, prevalence and surveillance for intractable cases

**PA3874** Pulmonary function tests for lymphangioleiomyomatosis screening in women with tuberous sclerosis complex
Silvia Terraneo (Arosio, Italy), Fabiano Di Marco, Silvia Terraneo, Giuseppina Palumbo, Gianluca Imeri, Francesca La Briola, Silvia Tresoldi, Angela Volpi, Lorenzo Gualandri, Filippo Ghelma, Rosa Maria Alfano, Emanuele Montanari, Alfredo Gorio, Elena Lesma, Angela Peron, Maria Paola Canevini, Stefano Centanni

**PA3875** Lymphangioma in patients with pulmonary lymphangioleiomyomatosis – Results of sirolimus treatment
Elzbieta Radzikowska (Warsaw, Poland), Elzbieta Radzikowska, Katarzyna Blasinska-Przerwa, Paulina Jagus, Elzbieta Wiatr, Joanna Chorostowska-Wynimko, Kazimierz Roszkowski-Sliz

**PA3876** Inhaled GM-CSF in pulmonary alveolar proteinosis (PAP) patient refractory to plasmapheresis combined with multiple whole lung lavages (WLL)
Ilaria Campo (Pavia, Italy), Francesca Mariani, Ilaria Campo, Elena Paracchini, Davide Pilone, Zamir Kadija, Michele Zorzetto, Annalisa De Silvestri, Carmine Tinelli, Federica Meloni, Maurizio Luissetti

**PA3877** Inhaled rhGM-CSF (molgramostim) in the first randomised, double-blind, placebo-controlled, international trial in patients with autoimmune pulmonary alveolar proteinosis (aPAP)
Francesco Bonella (Dusseldorf, Germany), Francesco Bonella, Yoshikazu Inoue, Inge Tarnow, Cecilia Ganslandt, Mette Vinge, Kim Arvid Nielsen, Cliff Morgan

**PA3878** Serum biomarkers as prognostic factors of autoimmune pulmonary alveolar proteinosis after whole lung lavage
Chikatoshi Sugimoto (Sakai, Japan), Chikatoshi Sugimoto, Toru Arai, Akiko Matsumoto, Masaki Hirose, Youhei Kimura, Shinji Futami, Taro Koba, Shoko Sonobe. Sayoko Tokura, Keiko Nakao, Syojiro Minomo, Tomoko Kagawa, Yoshikazu Inoue
PA3879  Family history of pneumothorax leading to Birt-Hogg-Dubé syndrome diagnosis
Agisilaos Dervas (Athens, Greece), Agisilaos Dervas, Dimosthenis Papapetrou, Amerini Dimitrakopoulou, Dimitri Tchermitchk, Caroline Kannengiesser, Raphael Borie, Demosthenes Bouros, Spyros Papiris, Effrosyni Manali

PA3880  Bagpipe lung: a new type of interstitial lung disease?
Jenny King (Manchester, United Kingdom), Jenny King, Nazia Chaudhuri, Jayne Holme, Paul Bishop, Anne-Marie Quinn

PA3881  Eosinophilic lung disease
Samira Aouadi (Arina, Tunisia), Samira Aouadi, Boutheina Melki, Emna Braham, Houda Gharsalli, Sonia Maâlej, Leila Douik Elgharbi

PA3882  Environmental exposures in 513 patients of hypersensitivity pneumonitis: Prospective ILD India registry
Sheetu Singh (JAIPUR (RAJASTHAN), India), Sheetu Singh, Bridget Collins, Bharat Bhushen Sharma, Jyotsana M. Joshi, Deepak Talwar, Sandeep Katiyar, Nishtha Singh, Lawrence Ho, Jai Kumar Samaria, Parthasarathi Bhattacharya, Rakesh Gupta, Sudhir Chaudhari, Tejraj Singh, Vijay Moond, Sudhakar Pipavath, Jitesh Ahuja, Ravindran Chetambhat, Alok G. Ghoshal, Nirmal Kumar Jain, H.J. Gayathri Joshy, Surya Kant, Parvaiz Koul, Raja Dhar, Rajesh Swarnkar, Surendra K. Sharma, Dhrubajyoti Roy, Kripesh R. Sarmah, Bhavin Karakoc, Reftika Ersu, Bulent Karadag

PA3883  Rare cause of interstitial lung disease in children: Pleuroparanchymal fibroelastosis
Nilay Bas (Istanbul, Turkey), Nilay Bas Ikizoglu, Emine Atag, Onur Pinar, Erdem Eralp, Yasemin Gokdemir, Gursu Kyan, Fazilet Karakoc, Refika Ersu, Bulent Karadag

PA3884  Bronchopulmonary dysplasia in children: Prediction and prevention of the mortality at first year
Olga Logvinova (Kharkiv, Ukraine), Olga Logvinova, Ganna Senatorova, Alexandr Onikienko, Ekaterina Logvinova

PA3885  Mycophenolate mofetil and azathioprine in chronic hypersensitivity pneumonitis
Julie Morisset (Montréal, QC, Canada), Julie Morisset, Kerri A. Johannson, Eric Vittinghoff, Brett M. Elicker, Kirk D. Jones, Bruno-Pierre Dubé, Harold R. Collard, Christopher J. Ryerson, Brett Ley

Thematic Poster: ILD: from the bench to the bedside

PA3886  Interaction between mitochondrial ROS and ER stress on PHMG-induced pulmonary fibrosis
Yong Chul Lee (Jeonju, Republic of Korea), Yong Chul Lee, So Ri Kim, Dong Im Kim, Soon Ha Kim

PA3887  CHI-91040, a novel inhaled p38 inhibitor, counteracts lung inflammation induced by IL-1 in the rat
Cataldo Martucci (Parma, Italy), Cataldo Martucci, Annalisa Murgo, Valentina Bagnacani, Giancarlo Aquino, Mary Fitzgerald, Hanry Finch, Craig Fox, Chiara Carnini, Riccardo Patacchini, Maurizio Civelli, Gino Villetti

PA3888  Mesenchymal stem cells isolated from fibrotic human lung tissue inhibit collagen expression by lung fibroblasts
Katrin Esther Hostettler (Basel, Switzerland), Petra Khan, Amiq Gazdhar, Spasenija Savic, Michael Tamm, Didier Lardinois, Michael Roth, Thomas Geiser, Katrin Esther Hostettler

PA3889  Phenotype heterogeneity in a familial "brain lung thyroid syndrome" related to a novel NKX-2.1 mutation
Nadia Nathan (PARIS, France), Nadia Nathan, Raphaël Borie, Sophie Jovien, Diane Doummar, Malek Louha, Julie Beucher, Mélanie Henriat, Estelle Breton, Annick Clement

PA3890  IL-6 and IL-8 in stable and exacerbated IPF patients and their association to outcome
Ioannis Tomos (Alimos, Greece), Ioannis Tomos, Effrosyni Manali, Anna Karakatsani, Aris Spathis, Ioanna Korbila, Antonis Anamilis, Pavlos Papiris, Spyros Papiris

PA3891  Role of dendritic cells in pulmonary fibrosis in mice
Meritxell Tort Terrés (HANNOVER, Germany), Meritxell Tort Terrés, Regina Maus, Jennifer Stolper, Franziska Aschenbrenner, Tobias Welte, Jack Gauldie, Martin Kolb, Ulrich A. Maus

PA3892  mRNA expression of YY1, TNF-α and TGF-β in lung samples gained by transbronchial biopsies (TBB) in patients with different interstitial lung diseases (ILDs)
Peter Paluch (Prague, Czech Republic), Peter Paluch, Martina Kolbekova, Martina Sterclova, Ondrej Viklicky, Irena Brabcova, Jelena Skibova, Martina Vasakova

PA3893  Targeting pyruvate kinase M2 isoform inhibits proliferation of human lung fibroblasts
Ellen Forty (London, United Kingdom), Ellen Forty, Paul Mercer, Dimitrios Anastasiou, Rachel Chambers

PA3894  Circulating monocytes from interstitial lung disease patients show an activated phenotype
Flavia Greiffo (Munch, Germany), Flavia Greiffo, Isis Fernandez, Marion Frankenberg, Jürgen Behr, Oliver Eickelberg
Thematic Poster: Orphan diseases II

**Chairs:** Philippe Camus (DIJON, France), Zoe Daniil (Larisa, Greece), Thomas Geiser (Bern, Switzerland), Michael Kreuter (Heidelberg, Germany)

**Session 591  12:50 - 14:40**

**PA3906**  **Exacerbations of bronchiectasis: Etiology and outcome**  
Besma Hamdi (Manouba ouden elli, Tunisia), Besma Hamdi, Iness Moussa, Anissa Berraias, Ameni Touil, Jamel Ammar, Agnes Hamzaoui

**PA3907**  **Cryptogenic organizing pneumonia - Results of treatment with clarithromycin versus corticosteroids**  
Elzbieta Radzikowska (Warsaw, Poland), Elzbieta Radzikowska, Elzbieta Wiatr, Dariusz Gawryluk, Renata Langfort, Iwona Bestry, Piotr Rudzinski, Ewa Szczepulska-Wojcik, Kazimierz Roszkowski-Sliz

**PA3908**  **Usefulness of serum bird specific antibody levels in patients with interstitial pneumonia**  
Ryo Itoh (Osaka, Japan), Ryo Itoh, Reina Takashima, Satoshi Marumo, Minoru Sakamoto, Motonari Fukui

**PA3909**  **Sirolimus induced diffuse alveolar hemorrhage: A case report**  
Baran Balcan (STANBUL, Turkey), Baran Balcan, Ergun Simsek, Aylin Oszancak Ugurlu, Ebru Demiralay, Sevgi Sahin

**PA3910**  **Inspiration plus: baseline characteristics of the canadian registry for IPF patients on pirfenidone**  
Francois Sincholle (Oakville, ON, Canada), Francois Sincholle, Martin Kolb, Helene Manganas, Rabea El Keeb, Marc Newton, Neerav Monga
PA3911  Emphysematous changes in chronic hypersensitivity pneumonitis: A retrospective analysis of 12 patients
Misbah Baqir (Rochester, United States of America), Misbah Baqir, Jay H. Ryu

PA3912  Chronic lung disease in two patients with new integrin alfa3 gene mutations
Andrea Farolfi (Milano, MI, Italy), Andrea Farolfi, Giulia Cammi, Alessandra Zenga, Salvatore Zippoli, Luigina Spaccini, Gian Vincenzo Zuccotti

PA3913  Interstitial lung disease caused by filamin A gene mutations: Clinical course of three paediatric cases
Julia Carlens (Hanover, Germany), Julia Carlens, Timothy Price, Eva Bültmann, Florian Langer, Ulrike Hehr, Matthias Griese, Gesine Hansen, Nicolaus Schwerk

PA3914  Severe lung injury due to chronic volatile hydrocarbon (VHC) inhalation in an adolescent
Despina-Zoe Mermiri (Athens, Greece), Despina-Zoe Mermiri, Athina Papadopoulou, Efstratiros Christianakis, Christos Plataras, Marios Konstantinou, Gaitanakis Stelios, Theophanis Tsiliogianis

PA3915  Pulmonary embolism (PE) in amiodarone-induced pulmonary toxicity (AILT)
Galina P. Orlova (Saint Petersburg, Russian Federation), Galina P. Orlova, Valentina P. Zolotnitskaya, Aleksandra A. Speranskaya, Natalya S. Yakovleva

PA3916  The relationship between nonalcoholic fatty liver disease and pulmonary function: KNHANES (Korean national health and nutrition examination survey 2008–2011)
Shin young Kim (Seoul, Republic of Korea), Shin young Kim, Kyung do Han, Hyoung Kyu Yoon, Sei Won Kim, Taijoon An

PA3917  Idiopathic fibrosing alveolitis functional respiratory disorders in children
Iulia Rodoman (Chisinau, Republic of Moldova), Iulia Rodoman, Svetlana Sciuca, Aliona Cotoman, Rodica Selevestru, Liubov Neamtu

PA3918  Treatment response in hypersensitivity pneumonitis
Maria Laura Alberti (Ciudadela, Argentina), Maria Laura Alberti, Francisco Paulin, Martin Eduardo Fernández, Fabián Matías Caro

PA3919  Rare association of organising pneumonia with pure red cell aplasia
Shruthi Konda (London, United Kingdom), Shruthi Konda, Betty Cheung, Lola Loewenthal, Raminder Aul

PA3920  Factors predicting resolution in nitrofurantoin-induced lung disease
Andrew Creamer (Bristol, United Kingdom), Andrew Creamer, Rezaur Abdullah, Ayesha Jameel, Sam Hare, Rama Vancheeswaran

PA3921  Idiopathic plastic bronchitis and relapsing chylothorax
Ina Haasler (ESSEN, Germany), Ina Haasler, Filiz Oezkan, Stephanie Werther, Kaid Darwiche, Helmut Teschler

PA3922  Pirfenidone treatment in patients with bronchiolitis obliterans syndrome following allogeneic hematopoietic stem cell transplantation
Katrin Esther Hostettler (Basel, Switzerland), Katrin Esther Hostettler Haack, Jörg Halter, Michael Tamm

PA3923  Computed tomography patterns in patients with cytotoxic drug-induced pulmonary toxicity
Hiroki Umezawa (Chiba, Japan), Hiroki Umezawa, Yusuke Naito, Jiro Terada, Kenji Tsumida, Koichiro Tatsumi

PA3924  LATE-BREAKING ABSTRACT: Sarcoidosis and inorganic dust exposition in the MINASARC (MIneralo-NAno-SARCoidosis) study
Mickaël Catinon (Lyon, France), Mickaël Catinon, Catherine Cavalin, Cécile Chemarin, Stéphane Rio, Elisabeth Roux, Matthieu Picquet, Anne-Sophie Blanchet, Sylvie Vuillermoz, Christophe Pison, François Arbib, Vincent Bonnetere, Dominique Valeyr, Olivia Freydet, Jean-François Moroux, Nathalie Freymond, Yves Pacheco, Françoise Thivolet, Marianne Kambouchner, Jean-François Bernaudin, Audrey Nathalizio, Paul-André Rosental, Michel Vincent

PA3925  The economic burden of COPD in a Swedish cohort: The ARCTIC study
Karina Lisspers (Gagnef, Sweden), Karin Lisspers, Björn Ställberg, Gunnar Johansson, Christer Janson, Madlaine Costa-Scharplatz, Jean-Bernard Gruenberger, Milica Udhe, Leif Jorgensen, Patrik Sobocki, Björn Ställberg

PA3926  Clinical and economic factors associated with spirometry-diagnosed COPD in the Swedish ARCTIC study
Gunnar Johansson (Uppsala, Sweden), Gunnar Johansson, Kjell Larsson, Björn Ställberg, Karin Lisspers, Petter Olsson, Jean-Bernard Gruenberger, Leif Jorgensen, Patrik Sobocki, Christer Janson
Large ethnic differences in COPD prevalence - The role of smoking intensity
Patrick T White (London, United Kingdom), Alexander Gilkes, Patrick T White, Stevo Burbaba, Peter Schofield, Mark Ashworth, Rohini Mathur, Sally Hull

Predicting risk of undiagnosed COPD in primary care: Development and validation of the TargetCOPD model
Andy Dickens (BIRMINGHAM, United Kingdom), Shamil Haroon, Peymane Adab, Richard Riley, David Fitzmaurice, Rachel Jordan, Andy Dickens

COPD-6 mini-spirometer: Feasible for early detection of COPD in general practice?
Peter Kjeldgaard (Kgs. Lyngby, Denmark), Peter Kjeldgaard, Jesper Lykkegaard, Heidi Spillemose, Charlotte Suppli Ulrik

"Don't get me wrong, I think case finding is okay" Exploring healthcare professionals' perspectives on target case-finding for COPD
Taniya Sharmeen (Southampton, United Kingdom), Taniya Sharmeen, Rachael Summers, Carla Astles, Kate Gillett, Kate Lippett, Mark Stafford-Watson, Mike Thomas, Tom Wilkinson

Extent and impact of late vs early stage COPD diagnosis in the Swedish ARCTIC study
Kjell Larsson (Stockholm, Sweden), Kjell Ake Larsson, Christer Janson, Björn Ställberg, Karin Lisspers, Petter Olsson, Konstantinos Kostikas, Milica Uhde, Leif Jorgensen, Patrik Sobocki, Gunnar Johansson

We provided patients with patients oriented diagnosis and treatment advice from their lung assessments using an algorithm. It was feasible in general well appreciated by our patients
Esther Metting (Groningen, Netherlands), Esther Metting, Joy van den Berg, Ellen van Heijst, Janwillem Kocks, Thys van der Molen

The importance of the caregivers' overload in COPD patients with several admission at our hospital. The other side of the story
ANA JAUREGUIZAR ORIOL (Madrid, Spain), Ana Jaureguizar Oriol, Maria Alejandra Galarza Jiménez, Sagrario Mayoralas Alises, Salvador Díaz Lobato, Rosa Gómez García

Plain chest x-ray (CXR) in the diagnosis of chronic obstructive pulmonary disease (COPD)
Elizabeth Pudney (Birmingham, United Kingdom), Elizabeth Pudney, Martin Doherty

Prevalence and characteristics of low oxygen saturation (SpO2) in a primary care COPD cohort
Alexandra Enocson (BIRMINGHAM, United Kingdom), Alexandra Enocson, Rachel Jordan, Peymane Adab, Andy Dickens, David Fitzmaurice

Use of spirometry in family practice in Canada; results of a nationwide survey
Alan Kaplan (Richmond Hill, Canada), Alan Kaplan, Suzanne Levitz

Spirometry is not enough to make clinical diagnosis of COPD
Elena Andreeva (Arkhangelsk, Arkhangelsk Oblast, Russian Federation), Elena Andreeva, Marina Pokhaznikova, Anatoly Lebedev, Irina Moiseeva, Olga Kuznetsova, Jean-Marie Degryse

Comparison of modified medical research council scale and COPD assessment test in subjects with COPD
Virginia Moya Alvarez (Madrid, Spain), Virginia Moya Alvarez, Cristina Navarro Jimenez, Elisa Mincholé Lapuente, Ana Boldova Loscertales, Jose Maria Marin Trigo

The assessment of burden of COPD (ABC) tool: What counts most?
Maureen Rutten-van Molken (Rotterdam, Netherlands), Maureen Rutten-van Molken, Lucas Goossens, Bas Donkers, Elly Stolk, Marcel Monker, Melinde Boland, Annerika Slok, Niels Chavannes, Huib Kerstjens, Thys Van der Molen, Guus Asijee, Richard Dekhijzen, Sebastiaan Holverda, Philippe Salomé, Johannes In ’t Veen, Onno Van Schayck

Symptomatic assessment in COPD GOLD 2011 classification - mMRC/CAT agreement
Daniela Rodrigues (Porto, Portugal), Daniela Rodrigues, Maria Antónia Galego, Ana Paula Vaz, Inês Neves, Joana Amado, Silvia Correia, Jorge Ferreira

Improving valved holding chamber (VHC)-face mask fit and function, and patient acceptability
Mark Sanders (Harlow, Essex, United Kingdom), Mark Sanders, Ronald Donald

Critical steps: An evaluation of critical handling errors with DPI use in Greece
Mina N. Evangeliou (Piraeus, Greece), Demosthenes Bouros, Mina Evangeliou

Incorrect inhaler technique is common in patients with COPD - Data from the TIE study
Johanna Sulku (Gävle, Sweden), Johanna Sulku, Marieann Högman, Björn Ställberg, Andrei Malinovschii, Karin Lisspers, Elisabet Nielsen, Häkan Melhus, Harsh Koyi, Margareta Hammarlund-Udenaes, On Behalf of the TIE-Study Group
<p>| PA3946 | ICS and risk of pneumonia in Swedish COPD patients: The ARCTIC study | Christer Janson (Uppsala, Sweden), Christer Janson, Gunnar Johansson, Björn Ställberg, Karin Lisspers, Petter Olsson, Dorothy Reinking, Leif Jorgensen, Patrik Sobocki, Kjell Larsson |
| PA3947 | COPD guides and inhaled corticosteroids. Is there an adequate use in primary care? | Sara-Anna Davies Daunas (Barcelona, Spain), Sara-Anna Davies Daunas, Xavier Flor-Escriche, Silvia Álvarez-Álvarez, Maria-Victòria Feijoo-Rodriguez, Laia Lamarca-Fornell |
| PA3948 | Change in COPD cases having QoF reviews in KSS region, UK | Jo Congleton (Hove, United Kingdom), Jo Congleton, Julia Bott |
| PA3949 | A description of the management of patients with COPD in the primary care setting of Antwerp | Glenn Leemans (Schelle, Belgium), Glenn Leemans, Lisa Billion, Laura Timmerman, Charlotte Adriaensen, Benjamin Block, Kris Ides, Dirk Vissers, Willfried De Backer, Paul Van Royen |
| PA3950 | Is primary care review of COPD adequate? | Ananna Rahman (Essex, United Kingdom), Ananna Rahman, Abigail Moore, Duncan Powrie |
| PA3952 | Clinical characteristics of patients with frequent COPD exacerbations in a Swiss multicenter COPD cohort study (TOPDOCS) | Simona Henny (Basel, Switzerland), Simona Henny, Thomas Dieterle, Thomas Brack, Martin Brutsche, Christian Clarenbach, Sarosh Irani, Martin Frey, Noriane Sievi, Robert Thurnheer, Malcom Kohler, Jörg Leuppi |
| PA3953 | Hazardous levels of PM 2.5 (particulate matter less than 2.5 microns in mean aerodynamic diameter) are emitted during burning of individual fire crackers in India | Sneha Limaye (PUNE (MAHARASHTRA), India), Sneha Limaye, Rohan Shah, Dhammasagar Ujagare, Jyoti Londhe, Sapna Madas, Sundeep Salvi |
| PA3954 | Self-management in COPD: How well are patients trained and what actions do they conduct in practice? | Anja Frei (Zurich, Switzerland), Anja Frei, Tsung Yu, Gerben Ter Riet, Sarah Crook, Kaba Dalla Lana, Milo Puhan, Claudia Steurer-Stey |
| PA3955 | Using a mobile app to motivate exercise in persons with COPD: A mixed method study | Ann-Britt Zakrisson (Örebro, Sweden), Ann-Britt Zakrisson, Terese Anerös, Gabriella Eliason, Anette Forsberg |
| PA3956 | Disease terminology: Communication gap between pulmonologists and patients | Virendra Singh (JAIPUR (RAJASTHAN), India), Virendra Singh, Nirmal Kumar Jain, Nishtha Singh, Sheetu Singh |
| PA3957 | A longitudinal qualitative study of nurse-led telephone health coaching for COPD | Amy Blakemore (Manchester, United Kingdom), Amy Blakemore, Liz Baker, Manbinder Sidhu, Kate Jolly, Peter Coventry |
| PA3958 | The clinical and economic impact of the combined interventions of telehealth, specialist respiratory nursing care and health coaching interventions for COPD admissions within an urban setting | Sudip Ghosh (LEICESTER, United Kingdom), Sudip Ghosh, Noel OKelly, Emma Jane Roberts, Chris Barker, Jim Swift |
| PA3959 | Exploring the impact of adding a respiratory dimension to the current EQ-5D descriptive system | Martine Hoogendoorn (Rotterdam, Netherlands), Martine Hoogendoorn, Mark Oppe, Elly Stolk, Melinde Boland, Lucas Goossens, Maureen Rutten-van Molken |
| PA3960 | The relation between personality traits and health status of patients with COPD | Harma Alma (Groningen, Netherlands), Harma Alma, Corina de Jong, Doede Joustra, Janwillem Kocks, Thys van der Molen |
| PA3961 | COPD medication adherence and quality of life | Melinde Boland (Rotterdam, Netherlands), Melinde Boland, Job van Boven, Annemarie Kruis, Niels Chavannes, Thys Van der Molen, Lucas Goossens, Maureen Rutten-van Molken |</p>
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<td>Sarah Yanik (BOCHUM, Germany), Sarah Yanik, Max Liedtke, Marleen Zickfeld, David Jungck, Thomas Grunwald, Matthias Tenbusch, Andrea Koch, Jürgen Knobloch</td>
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Differential effects of budesonide and fluticasone propionate on bacterial recognition receptors in COPD macrophages
Karin Provost (Orchard Park, United States of America), Karin Provost, Miyuki Smith, Anna Miller-Larsson, Gregory Gudleski, Sanjay Sethi

Upregulation of CCL5 production in the airway epithelium at the time of the viral infection
Mitsuru Sada (Mitaka-city, Tokyo, Japan), Mitsuru Sada, Masato Watanabe, Toshiya Inui, Keitaro Nakamoto, Masuo Nakamura, Hirotaka Matsuzaki, Yasuhiro Yamauchi, Hajime Takizawa

Assessment of the effects of tocilizumab, adalimumab and steroid in LPS induced acute lung inflammation
Nurhan Sarioglu (BALIKESR, Turkey), Nurhan Sarioglu, Fatma Bahar Sunay, Oguzhan Korkut, Fuat Erel, Adnan Adil Hismiogullari, Mehmet Köse

Identification of novel pathogenic mechanisms triggered by arginase activation in patients with COPD
Marcel José Rodriguez Guzman (Las Rozas (Madrid), Spain), Marcel José Rodriguez Guzman, Felipe Villar Álvarez, Cristina Serrano del Castillo, Miguel Ángel Palomero Romero, Yolanda Laporta Báez, Germán Peces-Barba Romero

Relationship of blood eosinophil count to exacerbations in COPD
Trung Tran (Gaithersburg, United States of America), Trung Tran, Michael Schatz, Wansu Chen, Ekaterina Sadikova, Qiaowu Li, Aniket A. Kawatkar, Deepak Khatry, Ubald Martin, Robert S. Zeiger

microRNAs constitute a negative feedback loop in streptococcus pneumoniae induced macrophage activation
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Laboratory contamination in airway microbiome studies
Christine Drengenes (Bergen, Norway), Christine Drengenes, Tomas Eagan, Harald Wiker, Ingvild Haaland, Eli Nordeide, Øistein Svanes, Gunnar Husebø, Sverre Lehmann, Per Bakke, Rune Grønseth

D-tryptophan is a probiotic substance influencing the gut microbiome and in vitro Th2 differentiation
Sabine Bartel (Borstel, Germany), Sabine Bartel, Gregor Jatzlauk, Inge Kepert, Juliano Fonseca, Constanze Müller, Katrin Milger, Kerstin Hochwind, Matea Kostric, Oliver Eickelberg, Michael Schloter, Anton Hartmann, Philipp Schmitt-Kopplin, Susanne Krauss-Etschmann

Thematic Poster: Studies in airway cell biology

D-tryptophan is a probiotic substance influencing the gut microbiome and in vitro Th2 differentiation
Sabine Bartel (Borstel, Germany), Sabine Bartel, Gregor Jatzlauk, Inge Kepert, Juliano Fonseca, Constanze Müller, Katrin Milger, Kerstin Hochwind, Matea Kostric, Oliver Eickelberg, Michael Schloter, Anton Hartmann, Philipp Schmitt-Kopplin, Susanne Krauss-Etschmann

Regulation of actin dynamics by WNT-5A: Implications for human airway smooth muscle contraction
Tim Koopmans (Groningen, Netherlands), Tim Koopmans, Kuldeep Kumawat, Andrew Halayko, Reinoud Gosen

ASM behaviour following heating to a range of different temperatures
Ruth Saunders (LEICESTER, United Kingdom), Ruth Saunders, Gavin Morris, Igor Chernyavsky, Rod Smallwood, Felicity Rose, Bindi Brook, Christopher Brightling

Glucocorticoid-induced regulators in human airway cells and airways
Robert Newton (Calgary, AB, Canada), Mahmoud Mostafa, Rider Christopher, Leigh Richardson, Robert Newton

Effect of oxidative stress and rhinovirus infection on mitochondrial/endoplasmic reticular function in human primary bronchial epithelial cells
Peter Wark (New Lambton, Australia), Peter Wark, Prabuddha Pathinyake, Alan Hsu, Kristy Parsons, Lisa Wood

Effect of beclomethasone and carbocysteine in histone acetylation/deacetylation processes of bronchial epithelial cells exposed to cigarette smoke
Elisabetta Pace (Palermo, PA, Italy), Elisabetta Pace, Serena Di Vincenzo, Maria Ferraro, Liboria Siena, Luigi Lanata, Federico Saibene, Mark Gjomarkaj

Comprehensive toll-like receptor stimulation and cytokine analysis in precision-cut lung slices
Marco Schlepütz (Biberach an der Riß, Germany), Marco Schlepütz, Elisabeth Waldmann, Cara Williams, Kirsten Arndt

IgA expression in peribronchial and lung follicular B cells from COPD patients
Maha Zohra Ladjemri (Brussels, Belgium), Maha Zohra Ladjemri, Marylène Lecocq, Chantal Fregimilicka, Caroline Bouzin, Monique Delos, Bruno Detry, Charles Pilette

Transcriptome analysis of the human airway epithelium during in vitro differentiation
Fien Verhamme (Munich, Germany), Andrea Schamberger, Fien Verhamme, Michael Lindner, Jürgen Behr, Oliver Eickelberg
Polymunary epithelial barrier formation on biodegradable poly-L-lactic-acid (PLLA) membrane
Salvatore Montesanto (Palermo, Italy), Salvatore Montesanto, Franco Conforti, Natalie Smithers, Fabio Bucchieri, Valerio Brucato, Vincenzo La Carrubba, Donna Davies

Cigarette smoke alters the EZH2/DAB2IP expression in bronchial epithelial cells. A risk factor for lung cancer in COPD patients
Mirella Profita (Palermo, PA, Italy), Giulia Anzalone, Giuseppe Arcoleo, Angela Marina Montalbano, Rosalía Gagliardo, Fabio Bucchieri, Roberto Marchese, Caterina Di Sano, Loredana Riccobono, Liboria Siena, Giusy Daniela Albano, Mark Gjomarkaj, Anna Bonanno, Mirella Profita

Heparin effect in pulmonary cell populations in an in-vitro model of acute lung injury
Marta Camprubí-Rimblas (Molins de Rei, Spain), Marta Camprubí-Rimblas, Raquel Guillamat-Prats, Thomas Lebouvier, Laura Chimenti, Manuela Iglesias, Carme Obiols, Jessica Tijero, Maria Nieves Gómez, Candelaria de Haro, Lluis Blanch, Antonio Artigas

The activation of transient receptor potential melastatin 8 (TRPM8) receptors of bronchial epithelial cells induces airway inflammation in bronchial asthma
Dae Young Cheon (Anyang, Republic of Korea), Dae Young Cheon, Joo-Hee Kim, Young-Suk Jang, Yong Il Hwang, Sung Hoook Park, Dong-Gyu Kim, Seung-Hun Jang, Ki-Suck Jung

Decreased PTEN amplifies PI3K signaling and enhances pro-inflammatory cytokine release in COPD
Satoru Yanagiasawa (London, United Kingdom), Satoru Yanagiasawa, Chaitanya Vuppusetty, Kazuhiro Ito, Peter J. Barnes

Priming airway epithelial cells with transforming growth factor-beta recapitulates the biophysical properties of asthmatic cells
Jennifer Mitchel (Boston, United States of America), Jennifer Mitchel, Jacob Notbohm, James Butler, Jeffrey Fredberg, Jin-Ah Park

Mitochondrial antioxidants decrease oxidative stress and inflammation induced bronchial epithelial cell line
Weerawon Thangboonjit (London, United Kingdom), Weerawon Thangboonjit, Peter Barnes, Andrew Durham, Ian Adcock

Suppression of IFN-gamma-induced chemokines from bronchial epithelial cells by mycobacterium tuberculosis
Tetsuya Homma (Tokyo, Japan), Tetsuya Homma, Yosuke Fukuda, Hitomi Furukawa, Shintaro Suzuki, Hironori Sagara

N-acetyl cysteine (NAC) intervention attenuates the effects of diesel and biodiesel emission exposure on human bronchial epithelial cells, 16HBE, at air-liquid interface
Annalicia Vaughan (Arana Hills, Australia), Annalicia Vaughan, Svetlana Stefanovic, Mostafizur Rahman, Ali Zare, Branka Miljevic, Zoran Ristovski, Rayleen Bowman, Kwun Fong, Ian Yang

Automated time-lapse analysis of ciliary function
Claire L. Jackson (Southampton, United Kingdom), Claire Jackson, Elizabeth C. Adam, David A. Johnston, Jane S. Lucas, Peter M. Lackie

LSC Abstract – Alpha8 integrin deficiency alters branching morphogenesis and alveolarization during mouse lung development
Tiziana Patrizia Cremona (Bern, Switzerland), Tiziana Patrizia Cremona, Johannes Schitteny

Effect of corticosteroids on epithelial cell response to non-typeable haemophilus influenze
Jennifer Cane (BIRMINGHAM, United Kingdom), Jennifer Cane, Mona Bafadhel

Thematic Poster: New signalling pathways in COPD
Chairs: Oskar Hallgren (Lund, Sweden), Hoeske Baarsma (Munich, Germany), Masao Takata (London, United Kingdom), Emma Rawlins (CAMBRIDGE, United Kingdom)

LSC Abstract – Multi-level differential network analysis of COPD exacerbations
Guillaume Noell (BARCELONA, Spain), Guillaume Noell, Borja García-Cosío, Rosa Faner Canet, Teresa Caseras, Ignacio Coca, Eduard Monsó, German Peces-Barba, Alfredo de Diego, Cristobal Esteban, Joaquim Gea, Susana G. Kalko, Álvar Agustí García-Navarro

LSC Abstract – Association of single nucleotide polymorphisms located in miRNA binding sites with lung function
Elise De Smet (Ghent, Belgium), Elise De Smet, Molsen Ghanbari, Lies Lahousse, Oscar Franco, Abbas Dehghan, Albert Hofman, Ken Bracke, Guy Brusselle

Lung function decline in COPD in relation to MMP-12 and surfactant protein A
Annelie Behndig (UMEA, Sweden), Annelie Behndig, Robert Linder, Jamshid Pourazar, Anne Lindberg, Anders Blomberg
PA4009 Myeloid derived suppressor cell-like fibrocytes are increased and associated with preserved lung function in COPD
Adam Wright (LEICESTER, United Kingdom), Adam Wright, Chris Newby, Ruth Hartley, Vijay Mistry, Sumit Gupta, Rachid Berair, Katy Rosch, Ruth Saunders, Tracy Thornton, Maria Shelley, Karen Edwards, Bethan Barker, Chris Brightling

PA4010 High fructose intake increases alveolar enlargement and muscle inflammation in mice exposed to cigarette smoke
Camila Suehiro (Sao Paulo, Brazil), Camila Suehiro, Alessandra Toledo-Arruda, Francine Almeida, Clarice Olivo, Manoel Oliveira Jr, Adilson Sousa, Rodolfo Vieira, Milton Martins, Chin Lin

PA4011 Age-dependent systemic elastin degradation is enhanced in chronic obstructive pulmonary disease
Jeffrey T.-J. Huang (DUNDEE, United Kingdom), Jeffrey T.-J. Huang, Charlotte E. Bolton, Bruce E. Miller, Ruth M. Tal-Singer, Roberto Robinovich, Colin Palmer, Neil Thomson, William MacNee

PA4012 Bronchial epithelial gene expression of NOX isoforms are related to important clinical characteristics in COPD

PA4013 Galectin-9 attenuates elastase-induced emphysema by reducing neutrophil chemotaxis in mice
Yuko Horio (Kunitomo, Japan), Yuko Horio, Keisuke Kojima, Naoki Saita, Yohei Migiyama, Aiko Masunaga, Hidenori Ichiyasu, Kazuhiko Fujii, Hirotsugu Kohrogi

PA4014 Non-canonical WNT-5A signaling attenuates endogenous lung repair in COPD
Hoeke Baarsma (Munich, Germany), Hoeke Baarsma, Wioletta Skronska-Wasek, Kathrin Mutze, Florian Ciolek, Gerrit John-Schuster, Ron Smits, Ali Önder Yildirim, Melanie Königshoff

PA4015 The effects of endogenous and exogenous vitamin D on the rate of mature elastin degradation in COPD patients
Ruben Zaal (Nijmegen, Netherlands), Rob Janssen, Ruben Zaal, Michiel Spanbroek, Jody van den Ouweland, Pieter Zanen, Richard Dekhuijzen, Wim Janssens

PA4016 Evidence of renal and pulmonary endothelial dysfunction in chronic obstructive pulmonary disease (COPD)
Francesca Polverino (Boston, United States of America), Francesca Polverino, Maria Laucho-Contreras, Vanesa Bjol, Victor Pinto-Plata, Miguel Divo, Mary Choi, Lynette Sholl, Hans Petersen, Yanah Tesfaigzi, Bartolome Celli, Caroline Owen

PA4017 Preclinical studies of mesenchymal stem cell (MSC) transplantation in chronic obstructive pulmonary disease (COPD): A systematic review and meta-analysis
hui jung kim (Gunpo , Republic of Korea), Hui jung Kim, Xiangde Liu

PA4018 Increased uptake of Haemophilus influenzae by primary airway epithelial cells from COPD patients
Peter Fenwick (London, United Kingdom), Peter Fenwick, Peter J. Barnes, Louise Donnelly

PA4019 The novel compound Sul-121 inhibits inflammation in experimental models of chronic obstructive pulmonary disease
Martina Schmidt (Groningen, Netherlands), Martina Schmidt, Bing Han, Harm Maarsingh

PA4020 Hyaluronic acid as a novel systemic biomarker to predict progression and severity in chronic obstructive pulmonary disease
Eleni Papakonstantinou (Thessaloniki, Greece), Eleni Papakonstantinou, Ioannis Bonovolias, George Karakiulakis, Michael Roth, Michael Tam, Lucas Boehm, Andreas Scherr, Janko Rakic, Renaud Louis, Bransilava Milenkovic, Wim Boersma, Konstantinos Kostikas, Francesco Blasi, Joachim Aerts, Germot Rohde, Alicia Lacoma, Antoni Torres, Tobias Welte, Datana Stolz

PA4021 Cryptotanshinone attenuates airway inflammation induced by cigarette smoke in mice
Yanqiu Wu (Chengdu, China), Yanqiu Wu, Yongchun Shen, Xue Zhang, Hao Wang, Fuqiang Wen

PA4022 The role of monoterpenes derived from essential oils in lung alteration in a model of emphysema
ELLEN PEREIRA (Diadema, Brazil), Ellen Pereira, Marina Guerreiro, Fernanda Santana, Nathalia Pinheiro, Tabata Capello, Fernanda Lopes, Clarice Olivo, Iolanda Tibério, Milton Martins, João Lago, Carla Prado

PA4023 Effect of mast cells degranulation blockade on the inflammatory response outcome in the COPD model
Elena S. Lebedeva (St. Petersburg, Russian Federation), Elena S. Lebedeva, Nataliia A. Kuzubova, Olga N. Titova, Ivetta V. Dvorakovskaya, Elena A. Surkova

PA4024 Targeting the mTOR signaling pathway to inhibit lung cell senescence in COPD
Amal Houssaini (Evry, France), Amal Houssaini, Kanny Kebe, Marielle Breau, Elisabeth Marcos, Shariq Abid, Dominique Rideau, Jin Huang, Aya Attwe, Emilie Bizard, Pierre Validire, Bernard Maitre, Valerie Amsellem, Silke Meiners, Serge Adnot
LSC Abstract – microRNA profiling reveals a role for microRNA-218-5p in the pathogenesis of chronic obstructive pulmonary disease
Griet Conickx (Ghent, Belgium), Griet Conickx, Pieter Mestdagh, Francisco Avila Cobos, Fien Verhamme, Tania Maes, Bart Vanaudenaerde, Lies Lahousse, Guy Joos, Jo Vandesompele, Ken Bracke, Guy Brusselle

A role for the accessory type III transforming growth factor receptor (Tgfr3) in lung alveolarisation
Agnieszka Pozarska (Giessen, Germany), Agnieszka Pozarska, Gero Niess, Werner Seeger, Rory Morty

Refinement of the hyperoxia-based experimental mouse model of bronchopulmonary dysplasia
Claudio Nardiello (Bad Nauheim, Germany), Claudio Nardiello, Ivana Miziková, Jordi Ruiz-Camp, Werner Seeger, Rory Morty

Optimising the delivery of antagoniRs to the neonatal mouse lung
Jonas Höng (Bad Nauheim, Germany), Jonas Höng, Ivana Miziková, Claudio Nardiello, Werner Seeger, Rory Morty

Assessing the impact of parenteral caffeine administration on experimental bronchopulmonary dysplasia
Philipp Rath (Bad Nauheim, Germany), Philipp Rath, Claudio Nardiello, David Surate, Werner Seeger, Rory Morty

Generation of an immortalized functional alveolar epithelial cell line originating from human induced pluripotent stem cells
Amiq Gazdhar (Bern, Switzerland), Luca Tamo, Youssef Hibaoui, Sampada Kallol, Marco Alves, Christiane Albrecht, Anis Feki, Amiq Gazdhar, Thomas Geiser

LSC Abstract – Activation of FGF9 and 18 in idiopathic pulmonary fibrosis promote survival and migration and inhibit myofibroblast differentiation of human lung fibroblasts
Audrey Joannes (PARIS, France), Audrey Joannes, Madeleine Jaillet, Arnaud Mailleux, Bruno Crestani

Therapeutic efficacy of a novel LPA1 receptor antagonist, UD-009, in a bleomycin-induced pulmonary fibrosis model
Kenji Nishikawa (Yamaguchi, Japan), Kenji Nishikawa, Eiji Okanari, Yuuko Shimohara, Hirosho Matsuoka, Hiroshi Nishida, Noriaki Iwase, Shigeru Ushiyama

Fibroblast growth factor 9 (FGF9) modulates mesothelial cells plasticity to decrease differentiation and migration in vitro
Audrey Joannes (PARIS, France), Audrey Joannes, Aurélien Justet, Philippe Bonniaud, Jean Michel Sallenave, Bruno Crestani, Arnaud Mailleux

MiRNA-200b inhibits epithelial-mesenchymal transition in TGF-1 induced human bronchial epithelial cells
Shameem Sultanali Ladak (Newcastle upon Tyne, United Kingdom), Shameem Sultanali Ladak, Chris Ward, Simi Ali

Inhibition of collagen cross-links by novel LOXL2 selective inhibitors in an in-vitro model of fibroblastic foci of IPF
James Roberts (Southampton, United Kingdom), James Roberts, Kerry Lunn, Victoria Tear, Mark Jones, Donna Davies, Lucy Cao, Wolfgang Jarolimek, Phillip Monk

The effects of tobramycin on pulmonary fibroblast function
Suzanne Edgar (Portsmouth, United Kingdom), Suzanne Edgar, David Laight, Janis Shute

Human airway trypsin-like protease: Friend or foe in idiopathic pulmonary fibrosis?
Awen Menou (Paris, France), Awen Menou, Sophie Moog, Bruno Crestani, Keren Borenstain

Increased levels of oxidative stress markers in patients with idiopathic pulmonary fibrosis
Kenji Nemoto (Ibaraki, Japan), Kenji Nemoto, Shuji Oh-ishi, Manato Taguchi, Shunichi Nishimura, Norihito Hida, Kazufumi Yoshida, Kai Yazaki, Kentaro Hyodo, Jun Kanazawa, Miura Yukiko, Takio Takaku, Kenji Hayashiha, Takefumi Saito

Evaluation of romidepsin (FK 228) as a potential therapy for idiopathic pulmonary fibrosis (IPF)
Franco Conforti (Southampton, United Kingdom), Franco Conforti, Elizabeth Davies, Mark Jones, Claire Calderwood, Aiman Alzetai, Paul Skipp, Jane Warner, Philip Molyneaux, David Smart, Teresa Tetley, Tom Havelock, Toby Maher, Thomas Thatcher, Summet Mahajan, Benjamin Marshall, Luca Richeldi, Patricia Sime, Katherine O’Reilly, Donna Davies

Prostacyclin and VEGF in the rejection process after lung transplantation - A possible biomarker
Annika Andersson Sjoland (Lund, Sweden), Annika Andersson Sjoland, Anna-Karin Larsson Cafferfelt, Lena Thiman, Oskar Hallgren, Ingrid Skog, Lennart Hansson, Leif Eriksson, Leif Björner, Gunilla Westergren-Thorsson
Specialized-proresolving mediators and transcriptomic signatures in bleomycin-induced lung fibrosis
Marc Dubourdeau (Toulouse, France), Marc Dubourdeau, Gerald Chene, Vincent Baillif, Charlotte Guigne, Estelle Wanecq, Emeline Van Goethem

LATE-BREAKING ABSTRACT: Morphology and molecular basis of damage stem cell niche respiratory acini (SCNRA) in idiopathic interstitial pneumonia (IIP)
Evgenia Kogan (Moscow, Russian Federation), Evgenia Kogan, Sophia Demura, Vecheslav Paukov

LATE-BREAKING ABSTRACT: Interfacial sensing a new regulator of pulmonary epithelial barrier function
Daria Korejwo (Innsbruck, Austria), Daria Korejwo, Georg F. Vogel, Veronika E. Winkelmann, Paul Dietl, Manfred Frick, Kai E. Gottschalk, Thomas Haller, Nina Hobi

LATE-BREAKING ABSTRACT: K\textsubscript{Ca}3.1 ion channel-blockade reduces pulmonary fibrotic responses via the inhibition of fibroblast proliferation
Louise Organ (Northcote, Australia), Louise Organ, Emmanuel Koumoundouros, Barbara Bacci, Wayne Kimpton, Chrishan Samuel, Glen Westall, Ian Glaspole, Ken Snibson, Jade Jaffar

LATE-BREAKING ABSTRACT: LSC Abstract - Differentiation between inflammation and hyperinflammation in the murine lung
Kathleen Reiss (Aachen, Germany), Kathleen Reiss, Marco Schleipütz, Christian Martin, Stefan Uhlig

T-21 Session 598 12:50 - 14:40
Thematic Poster: Novel avenues in the treatment of COPD I
Chairs: Paul Kirkham (Wolverhampton, United Kingdom), Alexander Mathioudakis (Manchester, United Kingdom), Kian Fan Chung (London, United Kingdom), Nicolas Roche (Paris, France)

Compare clinical effectiveness of various types of bronchodilators in COPD patients
Tatiana Germanovna Shapovalova (Saratov, Saratov Oblast, Russian Federation), Tatiana Germanovna Shapovalova, Nina Andreevna Ivaniva, Elena Evgenyevna Arhangel'skaya, Elena Sergeevna Plastinina, Natalia Vladimirovna Shlobanova, Olga Aleksandrovna Ponomareva, Marina Viktorovna Margasova, Anna Yrievna Ryabova, Marina Mikhailovna Shashina

Outcome of patients following hospitalization with acute exacerbation of chronic obstructive pulmonary disease (AECOPD), with and without cardiovascular risk factors
Saadia Ashraf (PESHAWAR, Pakistan), Saadia Ashraf, Amber Ashraf, Mukhtiar Zaman

Long-term inhaled corticosteroid use in COPD and the risk of fracture in men and women
Samy Suissa (Montréal, QC, Canada), Samy Suissa, Janie Coulombe, Pierre Ernst

Secondary analysis of the UPLIFT\textsuperscript{®} trial by body mass index
Donald P Tashkin (Los Angeles, United States of America), Donald P. Tashkin, Antonio Anzueto, Norbert Metzdorf, Achim Mueller, Ulrika Hinkel, Bartolome Celli

Eosinophilic airway inflammation as a complication of COPD, and the usefulness of ICS on these cases
Hiroaki Kume (Osakasayama, Japan), Hiroaki Kume, Osamu Nishiyama, Yuji Higashimoto, Yuji Tohda

The effect of aclidinium bromide 400 \textmu g on sleep quality in COPD: A pilot study
Helgo Magnus (Großhansdorf, Germany), Helgo Magnus, Michael Arzt, Stefan Andreas, Tanja Plate, Anna Ribera, Beatriz Seoane, Henrik Watz, Anne-Marie Kirsten

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**Thematic Poster: Novel avenues in the treatment of COPD II**

**Chairs:** Loes Kistemaker (Groningen, Netherlands), Adam Barczyk (Katowice, Poland), Leif Bjermer (Lund, Sweden), Timm Greulich (Marburg, Germany)

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PA4091  Synergistic effects by combination of tiotropium with olodaterol result from cross talk between muscarinic and $\alpha_2$-adrenergic receptors via allosteric modulation
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PA4092  Inhaled roflumilast and tadalafil suppress airway reactivity and inflammation in ovalbumin-sensitized guinea pigs
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PA4093  Mevastatin ameliorates sphingosine 1-phosphate-induced inflammation in human tracheal smooth muscle cells
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PA4094  Cigarette smoke-induced acute lung injury exacerbates non-typeable haemophilus influenzae-induced inflammation: Protective effect of andrographolide through NF$\kappa$B
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PA4095  MUC1-C-T mediates corticosteroid responses in COPD
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PA4096  Anti-inflammatory profile of N-acetylcysteine in human bronchi stimulated with lipopolysaccharide
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PA4097  Ontogeny of the ovine airway wall from late gestation to adulthood
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PA4098  Evaluation of indacaterol and glycopyrronium as inhalation powder on systemic inflammatory and oxidative stress parameters in severe COPD
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PA4099  Effect of tiotropium bromide on IFN- level: Results from 180-days study in moderate COPD patients with viral-induced exacerbations in anamnesis
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PA4100  The effect of oligomeric proanthocyanidin on airway microenvironment in asthma
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PA4101  A clinically observed variability in serum total IgE in patients being considered for omalizumab therapy
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PA4102  Laser acupuncture effects on serum immunoglobulin E in A topic bronchial asthma patients
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PA4103  Role of the acetylcholine in the virus-induced bronchoconstriction
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PA4104  RCT to evaluate the efficacy and safety of ivy leaves cough liquid
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Xiongbiao Wang (Shanghai, China), Zhenghua Ni, Zhao Li, YiMing Lai, XuMing Luo, Xiongbiao Wang
## Thematic Poster: Asthma management

**Chairs:** Fusun Yildiz (KOCAEL, Turkey), Bilun Gemicioglu (STANBUL, Turkey), Tania Maes (Ghent, Belgium), Mohamed Al-Moamary (Riyadh, Saudi Arabia)

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A single-dose double-blind study comparing efficacy of two dry powder inhalers containing budesonide and formoterol in asthmatic patients
Satu Lahelma, Mikko Vahteristo, Hristo Metev, Margarita Taseva, Nadezhda Stamatova, Anna Bartha, Judit Schélezik, Ulla Sairanen

Late-Breaking Abstract: Safety, pharmacokinetics and pharmacodynamics of BI 1060469, a novel oral CRTH2 antagonist
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Airway resistances deteriorate following spirometry in asthma and COPD patients
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Prevalence of small airway dysfunction among GOLD stages in COPD patients
Ernesto Crisafulli, Roberta Pisi, Marina Aiello, Anna Torres, Davide Feci, Giuseppina Bertorelli, Alfredo Chetta

Poor perception of bronchoconstriction and hyperinflation and risk of acute asthma exacerbations: A data linkage analysis
M Diane Lougheed, Thomas Fisher, Yvonne DeWitt, Teresa To

Positive bronchodilator response is a poor predictor of future risk in well controlled asthma patients
Luis Pérez de Llano, Francisco Carballada, Juan Luis García-Rivero, Isabel Urrutia, Eva Martínez-Moragón, Maria Carmen Vennera, Vicente Plaza, Pilar Cebollero, María Merino

Lung clearance index in alpha-1-antitrypsin deficiency - A follow up
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Postbronchodilator response of small airways after 800 microgrammes of salbutamol in COPD patients
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Victor Kolosov (Blagoveshchensk, Amur Oblast, Russian Federation), Victor Kolosov, Leonid Manakov, Olga Kurganova, Juliy Perelman

Alternate overlap syndrome: Association of asthma with obstructive sleep apnea
Narendra Umashankar (Jodhpur, India), Narendra Umashankar, K.C. Agarwal, Gopal Purohit, C.R. Choudhary, Sunil Vyas, Deepak Ug, Srikanth Agarwal, Isha Garg

Clinical Impact of Gensini score in chronic obstructive pulmonary disease (COPD)
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Clinical features of chronic obstructive pulmonary disease in never smokers
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Risk for adverse outcomes in asthma: Assess to impress!
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ERS International Congress 2016
DETAILED PROGRAMME
TUESDAY 06 SEPTEMBER, 2016

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STATEMENT 06 SEPTEMBER, 2016

EDEMA POSTER: Clinical studies in asthma and immunology

**PA4170** Predictors of lung function deterioration in COPD
ROSSELLA D’AMATO (S/C DE TENERIFE, Spain), Rossella D’Amato, Juan Marco Figueira Gonçalves, Ignacio García Talavera

**PA4171** Variability of total serum IgE in moderate-to-severe asthmatic patients
Antoine Poskin (Vilvoorde, Belgium), Renaud Louis, Charles Pilette, Olivier Michel, Alain Michils, Guy Brusselle, Lieven Dupont, Antoine Poskin, Jan Van Schoor, Stefaan Vancayzeele, Sandra Gurdain

**PA4172** Differences of disease phenotypes in individuals with alpha-1-antitrypsin deficiency with genotypes PiZZ and PiSZ - Analysis from the German registry
Sebastian Fähndrich (Homburg/Saar, Germany), Sebastian Fähndrich, Nikolaus Bernhard, Philipp M. Lepper, Claus Vogelmeier, Robert Bals

**PA4173** Clinical, functional and inflammatory characteristics in patients with paucigranulocytic asthma
Polyxeni Ntontsi (Athens, Greece), Polyxeni Ntontsi, Stelios Loukides, Petros Bakakos, Konstantinos Kostikas, Georgios Papatheodorou, Evgenia Ppathanassiou, Anastasia Papaporfiryiou, Elissavet Konstantellou, Hilas Georgios, Nikolaos Koulouris, Spyridon Papiris, Andriana Papaioannou

**PA4174** Heterogeneity of group D in the new GOLD classification of COPD
Richa Mittal (NEW DELHI, India), Richa Mittal, Sunil Chhabra

**PA4175** Expression of nasal and bronchial IL-17F and related cytokines in frequent exacerbators with neutrophilic severe asthma
Fabio L. M. Ricciardolo (Orbassano (Turin), Italy), Fabio L.M. Ricciardolo, Valentina Sorbello, Davide Vallese, Gian Mario Massaglia, Gabriella Favatì, Antonino Di Stefano

**PA4176** CAT in COPD phenotypes (POPE study)
Vladimír Koblízek (Hradec Králové, Czech Republic), Vladimir Kobližek, Attila Somfay, Jan Svancara, Ruzena Tkacova, Branislava Milenkovic, Adam Bareczky, Kirill Zykov, Neven Tudoric, Kosta Kostov, Zuana Zbozinkova, Jurij Sorli, Alvis Krams, Marc Miravitlles, Arschang Valipour

**PA4177** Heterogeneity of group D in the new GOLD classification of COPD
Richa Mittal (NEW DELHI, India), Richa Mittal, Sunil Chhabra

**PA4178** Prevalence of COPD in heroin smokers screened at substance misuse clinics
Jennifer Furlong (LIVERPOOL, United Kingdom), Jennifer Furlong, Rob Peat, Ryan Young, Tara Byrne, Doreen Russell, Tristan Elkin, Sandra Oelbaum, Hassan Burhan, Paul Walker, Sue Renwick

**PA4179** Prevalence of refractory asthma in population with severe asthma
Sergey Fedosenko (Tomsk, Russian Federation), Evgeny Kulikov, Ludmila Ogorodova, Ivan Deev, Natalya Kirillova, Sergey Fedosenko

**PA4180** Evolution of COPD phenotypes in time - Czech multicentre research database of severe COPD
Vladimír Koblízek (Hradec Králové, Czech Republic), Vladimir Kobližek, Barbora Novotna, Jan Svancara, Michal Svozoda, Patrice Popelkova, Marek Plutinsky, Kristian Brat, Jaromir Zaloukal, Eva Volakova, Karel Hejdík, Eva Kocova, Michal Kopecky, Katerina Neumannova, Miroslava Fecaninova, Petr Safranek, Tomas Dvorak, Ondrej Sobotik, Zuana Liptakova, Lucie Heribanova, Blanka Snelerova, Marie Majerciakova, Pavlina Musilova, Jiri Jarkovsky

**PA4181** Vitamin D deficiency is associated with rapid decline in exercise capacity in male patients with COPD
Yong Bum Park (Seoul, Republic of Korea), Yong Bum Park, Changhai Kim, Ji Ye Jung, Yeon-Mok Oh, Sang-Do Lee, Kwang Ha Yoo

**PA4182** Can emphysema predict exacerbations and changes in PFTs in COPD?
Zvi G Fridlender (JERUSALEM, Israel), Zvi G. Fridlender, Ron Kaufman, Dorit Shaham, Neville Berkman

**PA4183** Clinical differences between emphysematous and non-emphysematous COPD
Manu Madan (New Delhi, India), Manu Madan, Pawan Gupta, Richa Mittal, Sunil Chhabra

**PA4184** Use of clinical characteristics to predict spirometric classification of obstructive lung disease
Steven Pascoe (Research Triangle Park, United States of America), Steven Pascoe, Wei Wu, Kathryn Collison, Linda Nelsen, Keele Wurst, Laurie Lee
Global asthma network identifies gaps in essential asthma medicines
Innes Asher (Auckland, New Zealand), Innes Asher, Karen Bissell, Philippa Ellwood, Eamon Ellwood, Chen-Yuan Chiang, Guy Marks, Asma El Sony, Nils Billo, Christophe Perrin, Global Asthma Network Study Group

Global asthma network survey of national asthma strategies - Where are the gaps?
Innes Asher (Auckland, New Zealand), Innes Asher, Philippa Ellwood, Eamon Ellwood, GAN Study Group

Relation of IL-33 and PSMA6 gene polymorphisms in asthma patients
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Heritability in general and specific atopy: A twin study
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Pulmonary function changes following allogeneic haematopoietic cell transplantation
Peter Middleton (Sydney, NSW, Australia), Jonathon Lennon, Ian Bilmon, Megan Hogg, David Gottlieb, Peter Middleton

Reversible bronchitis and peribronchitis after bronchial thermoplasty
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Investigating the interaction between bronchoconstriction and cough in asthma
Imran Satia (Blackburn, United Kingdom), Imran Satia, Huda Badri, Mark Woodhead, Paul O’Byrne, Stephen Fowler, Jaclyn Smith

Cluster analysis of cough variant asthma using FeNO
Saki Oyama (Tokyo, Japan), Saki Oyama, Yoshio Otani, Wakaba Furue, Miho Akaza, Tetsuo Sasano, Kimitake Tsuchiya, Meiyo Tamaoka, Naohiko Inase, Yuki Sumi

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Features of the placenta immunomorphology in women with asthma
Yulia Dymarskaya (Saint-Petersburg, Russian Federation), Yulia Dymarskaya, Olga V. Lavrova, Ludmila B. Zubzhitskaya, Elena A. Shapovalova

Features of clinical and functional parameters of ACOS-syndrome
Angelina Kraposhina (Krasnoyarsk, Russian Federation), Angelina Kraposhina, Elena Sobko, Svetlana Chubarova, Irina Demko, Irina Salo, Natalia Gordeeva, Marina Mamaeva

Knowledge of asthma is associated with inhalation technique in elderly patients with asthma
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Late-onset hyper eosinophilic asthma accompanied by systemic eosinophilic manifestations
Mikio Toyoshima (Hamamatsu, Japan), Mikio Toyoshima, Kazuo Tsuchiya, Takaumi Suda

Clinical characteristics of seasonal rhinitis and co-existence with asthma
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Effect of FESS on asthma patients with nasal polyposis and chronic sinusitis
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Collaborative treatment with variety of dust mites allergic in standardized dermatophagoides pteronyssinus allergen immunotherapy
Peiyan DENG (Guangzhou, China), Zheng Peiyan, Baoqing Sun

Characterisation of asthma patients with persistent airflow obstruction
Tunn Ren Tay (Singapore, Singapore), Tunn Ren Tay, Hang Siang Wong, Xue Ning Choo, Rosna Ihsan, Hsiao Peng Toh

Efficacy of air purifier for adjuvant therapy of asthma
Jaiying LUO (Guangzhou, China), Jaiying Luo, Zhao Chen, Xiao Lan, Jiaqing HU, Baoqing Sun
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<td>Eleftheria Vasileiou (Falkirk, United Kingdom), Eleftheria Vasileiou, Colin Simpson, Aziz Sheikh, Chris Butler</td>
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**Thematic Poster: Asthma: treatment, disease control, and quality of life**

**Chairs:** Stefania La Grutta (Palermo, PA, Italy), Linnea Hedman (Luleå, Sweden), Elaine Fuertes (Munich, Germany), Antigona Trofor (Iasi, Romania)

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LATE-BREAKING ABSTRACT: Is treatment with inhaled corticosteroids in asthma associated with hospitalisations because of pneumonia?
Emil Ekbom (Uppsala, Sweden), Emil Ekbom, Andrei Malinovschi, Bertil Forsberg, Mathias Holm, Linus Schiöler, Kjell Torén, Christer Janson

LATE-BREAKING ABSTRACT: Long-term impact of ICs adherence on health outcomes in the ASTRO-LAB cohort
Eric Van Ganse (LYON, France), Eric Van Ganse, Alexandra Dima, Laurent Laforest, Flore Jacoud, Sandrine Herbage, Nathalie Texier, Marijn de Bruin

LATE-BREAKING ABSTRACT: Asthma severity and asthma with rhinitis is associated with multiple sensitization to cat and dog allergen components
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Thematic Poster: Prevalence of obstructive airway diseases, methods of diagnosis, and lung function testing
Chairs: Martin Miller (BIRMINGHAM, United Kingdom), Joan B. Soriano (Madrid, Spain), Ane Johannessen (BERGEN, Norway), Simone Accordini (Verona, Italy)

Alpha-1 antitrypsin deficiency prevalence in COPD patients in a specialized hospital in Buenos Aires, Argentina
Guillermo Menga (Ciudad De Buenos Aires, Argentina), Guillermo Menga, Patricia Sorroche, Maria Soledad Saez, Juan José Moncalvo, Martín Eduardo Fernandez

Polish and World spirometry days - Three years of research experience on causes and consequences of obstructive diseases in Poland
Artur Badya (Warsaw, Poland), Artur Badya, Piotr Dabrowiecki, Piotr Oskar Czechowski, Dominika Mucha, Anna Gayer

Spirometric abnormality was influenced by the estimated GFRs in a Korean general population
Jin Woo Kim (Uijeongbu, Republic of Korea), Jin Woo Kim, Sang Haak Lee, Chang Dong Yeo, Hyun Hee Kang

Lung function in older community dwelling Australians
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Comparison of spirometric results obtained in sitting and standing position in children participating in epidemiological study
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Kamil Barski (Katowice, Poland), Kamil Baranski, Jan Eugeniuz Zejda

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Sex-switch in prevalence of allergic multimorbidity from childhood to adulthood? A systematic review and meta-analysis
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COPD classification according GOLD 2013 and Latin American Thoracic Association (ALAT) recommendations in PUMA study
Maria Montes De Oca (Caracas, Venezuela), Maria Montes De Oca, Maria Victoria Lopez Varela, Maria Eugenia Lauchon Contreras, Alejandro Casas, Eduardo Schiavi, Alejandra Rey, Alejandra Silva

Prevalence of asthma and asthma-like symptoms in Greece: Early results of the E.M.E.NO study
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Chairs: Christer Janson (Uppsala, Sweden), Tomas Mikal Eagan (Bergen, Norway), Pia Hardelid (London, United Kingdom), Peymane Adab (Birmingham, United Kingdom)

PA4246 In-hospital disease burden of sarcoidosis in Switzerland from 2002 to 2012
Susanne Pohle (St. Gallen, Switzerland), Susanne Pohle, Florent Baty, Martin Brutsche

PA4247 5-year weekly monitoring of community-acquired pneumonia incidence and mortality
Rustem Shaymuratov (KaZan, Republic of Tatarstan, Russian Federation), Rustem Shaymuratov, Alexander Vizel

PA4248 Healthcare utilisation in childhood interstitial lung diseases: Analysis of chILD-EU registry data
Boglárka Szentes (Neuherberg, Germany), Michele Mondoni (Cremona, Italy), Michele Mondoni, Giovanni Soligno, Paolo Carlucci, Sara Job, Elena Maria Parazzini, Alessandro Fois, Gabriella Diana, Sara Canu, Pietro Pirina, Giuseppe Cipolla, Matteo Pagani, Francesco Tursi, Luigi Negri, Martina Bonifazi, Stefano Gasparini, Andrea Claudio Comel, Silvia Marani, Franco Ravenna, Simone Dore, Silvia Terraneo, Giuseppe Francesco SfERRazzA Papa, Fabiano Di Marco, Stefano Centanni

PA4249 Epidemiology of haemoptysis in Italy: A prospective observational study
Michele Mondoni (Cremona, Italy), Michele Mondoni, Giovanni Soligno, Paolo Carlucci, Sara Job, Elena Maria Parazzini, Alessandro Fois, Gabriella Diana, Sara Canu, Pietro Pirina, Giuseppe Cipolla, Matteo Pagani, Francesco Tursi, Luigi Negri, Martina Bonifazi, Stefano Gasparini, Andrea Claudio Comel, Silvia Marani, Franco Ravenna, Simone Dore, Silvia Terraneo, Giuseppe Francesco SfERRazzA Papa, Fabiano Di Marco, Stefano Centanni

PA4250 Pneumococcal carriage and serotypes distribution in patients with acute otitis media in Switzerland, 2004-2014
Markus Hilty (Bern, Switzerland), Aurélie Allemand, Marionne Küffer, Markus Hilty

PA4251 Addressing the tuberculosis (TB) and diabetes mellitus (DM) co-epidemic among TB patients in Luanda, Angola
giulia segafredo (Padova, Italy), Giulia Segafredo, Ugo Fedeli, Anna Maria Giono, Filippo Ferretti, Ludovico Corbuccio, Gianluca Quaglio, Luigi Andreoni, Andrea Atzori, Giovanni Putoto
Early respiratory infections and dental caries in the first 27 years of life
Aino Rantala (Oulu, Finland), Aino Rantala, Iikka M. Mehtonen, Mariitta S. Jaakkola, Timo T. Hugg, Jouni J.K. Jaakkola

The association between gastritis/gastroesophageal reflux and rhinitis/rhinosinusitis
Giuseppe Verlato (VERONA, VR, Italy), Francesca Locatelli, Eliana Finocchio, Alessandro Marcon, Roberto Bono, Isa Cerveri, Pietro Pirina, Giulia Trucco, Mario Olivieri, Marcello Ferrari, Giuseppe Verlato

Prevalence of nontuberculous mycobacteria in hospital waters of major cities of Khuzestan province, Iran
Azar Dokht Khosravi Boroujeni, Mohammad Hashemi-Shahraki, Rasa Sheimi Mehrabzadeh

Is the incidence of spontaneous pneumothorax associated with climacteric conditions?
Roberto Meleira Silva (Covilhã, Portugal), Roberto Meleira Silva, Inês Vicente, Eunice Magalhães, Maria Jesus Valente, Maria la Salete Valente

Early diagnosis of late onset Pompe disease (LOPD) in patients with respiratory failure (PneumoLoped study preliminary data)
Marco Confalonieri, Michele Vitacca, Andrea Vianello, Antonio Capuozzo, Eugenio Sabato, Fausto De Michele, Annalisa Carlucci, Luigi Chiaff, Raffaele Scala, Grazia Crescimanno, Antonio Corrado, On Behalf of PneumoLoped AIPO Study Group

Molecular identification of nontuberculous mycobacteria isolated from patients in northeast Iran
Ehsan Aryan, Davoud Bordbar, Abdolrazagh Hashemi-Shahraki, Hadi Safdari

The prevalence of the Azygous lobe: A computerized thorax tomography (CT)
Levent Özdemir, Burcu Özdemir

Regional pattern of trends in lung cancer incidence in Croatia, 2001-2013
Marina Poli Vižintin (Zagreb, Croatia), Marina Poli, Kararina Josipa Siroglavic, Ingrid Tripkovic, Mario Šekerija, Zvonimir Šostar, Suzana Kukulj

Tuberculosis and HIV infection in combination with multidrug resistant MBT on Northwest of Russia
Goar Balasaniantc, Vladimir Galkin, Peter Yablonskii

Are epidemiological statistics on extrapulmonary tuberculosis correct?
Ekaterina Kulchavenya, Irina Zhukova

LATE-BREAKING ABSTRACT: Validation of self-reported body silhouettes in a Northern European study
Marianne Lescouzeres, Pauline Fournier, Michel Galinier, Marianne Lescouzeres, Sandrine Pontier, Alain Didier

LATE-BREAKING ABSTRACT: Lung function is associated with air pollution in healthy adults
Luc Int Panis, Tijs Louwies, Michelle Laeremans, Patrick De Boever, Evi Dons, Tim Nawrot

Thematic Poster: Occupational and environmental exposures and biomarkers: human studies, animal data, and in vitro methods
Tag(s): Healthy Lungs for Life (HLfL)
Chairs: Anna-Carin Olin, Subhabrata Moitra, Elizabeth Fireman, Denis Vinnikov

Dust exposure impacts haemophilus influenzae attachment and invasion of human airway epithelial cells
Holly Clifford, Holly Clifford, Teck Teo, Lea-Ann Kirkham, Ruth Thornton, Graeme Zosky, Janessa Pickering
Particulate matter promotes epithelial-to-mesenchymal transition in human lung epithelial cells via ROS pathway
Xiaoyan Xu (Beijing, China), Xiaoyan Xu, Yingmin Ma, Xiaomin Wu, Joe Garcia, Ting Wang

Effects of diesel exhaust particles exposure in a murine model of asthma due to soybean
Mª Jesús Cruz Carmona (Barcelona, Spain), Mª Jesus Cruz Carmona, Daniel Alvarez-Simón, Susana Gómez-Ollés, María-Dolores Untoria, Jokin Yllera-Retegui, Marta Ollé-Monce, Xavier Muñoz

Anti-IgE as an alternative treatment for occupational asthma due to low molecular weight agents
Marta Ollé (Barcelona, Spain), Marta Ollé, Xavier Muñoz, Jokin Yllera, Mª Dolores Untoria, Daniel Álvarez, Mª Jesús Cruz

Mus m 1 personal exposure in laboratory animal workers in facilities where mice are housed in open cages and individually ventilated cages
Jennifer Canizales (London, United Kingdom), Jennifer Canizales, Meinir Jones, Sean Semple, Johanna Feary, Paul Cullinan

In-house and commercial and bovine dander extracts in the diagnostics of allergic occupational diseases
Irmeli Lindstrom (Helsinki, Finland), Irmeli Lindstrom, Liisa Airaksinen, Hille Suojalehto, Paula Pallasaho, Anne Puustinen

Cytokines and MMP-9 level in serum and induced sputum of patients with suspicion of occupational COPD
Marta Wiszniewska (Lodz, Poland), Marta Wiszniewska, Aneta Kleniewska, Ewa Nowakowska-Swirzta, Diana Tymoszuk, Agnieszka Lipinska-Ojrzanowska, Jolanta Walusiak-Skorupa

Markers of inflammation among workers exposed to engineered TiO$_2$ nanoparticles
Sergey Zakharov (Prague, Czech Republic), Sergey Zakharov, Daniela Pelclova, Vladimir Zdimal, Petr Kacer, Zdenka Fenclova, Stepanka Vlckova, Jaroslav Schwarz, Tomas Navratil, Martin Komarc

DNA methylation changes in workers occupational exposed to carbon nanotubes
Manosij Ghosh (Leuven, Belgium), Manosij Ghosh, Deniz Öner, Ali Tabis, Katrien Poels, Peter Hoet, Anjoeka Pronk, Roel Vermeulen, Bram Bekaaert, Lode Godderis

Markers of inflammation among workers exposed to heavy metals-exposed workers
Sergey Zakharov (Prague, Czech Republic), Sergey Zakharov, Daniela Pelclova, Vladimir Zdimal, Petr Kacer, Zdenka Fenclova, Stepanka Vlckova, Jaroslav Schwarz, Tomas Navratil, Martin Komarc

Oxidative imbalance in biological fluids of heavy metals-exposed workers
Felicia Gradinariu (Iasi, Romania), Felicia Gradinariu, Irina Anca Popescu, Eugenia Danulescu, Micaela Margineanu, Viorel Cazuc, Madalina Ipate, Ovidiu Petris

Changes in passive smoking in the workplace from three waves of the European community respiratory health survey
Mario Olivieri (Verona, Italy), Mario Olivieri, Nicola Murgia, Anne Elie Carsin, Geza Benke, Irene Brütske, Peter G.J. Burney, Christer Janson, Debbie Jarvis, Benedictie Leynaert, Jesús Martínez-Moratalla, Torben Sigsgaard, Cecillie Svanes, Kjell Føre, Jan-Paul Zock, Giuseppe Verlato

Exposure to diesel exhaust particles impairs heart rate variability and induces inflammatory alterations on spontaneously hypertensive rats
Dolores Rivero (Sào PAULO/SP, Brazil), Natalia Almeida, Larissa Emidio, Beatriz Romanhlo, Manoel Junior, Rodolfo Vieira, Paulo Sladiva, Dolores Rivero

Characterisation of exhaled aerosol from vibrating mesh and jet nebulisers
Andrew O'Sullivan (Galway, Ireland), Andrew O'Sullivan, James McGrath, Miriam Byrne, Patrick Power, Ronan Mac Loughlin

Occupational respiratory exposure at man-made mineral fibers and their influence on p53 protein expression in peripheral mononuclear cells
Micaela Margineanu (Iasi, Romania), Micaela Margineanu, Carmen Cozmei, Eugenia Danulescu, Felicia Gradinariu, Madalina Ipate

Exposure to welding fume and oxidative stress in airway epithelial cells
Reetika Suri (London, United Kingdom), Reetika Suri, Jonathan Grigg
PA4284 Lung function and element status of foundry workers
Tatsiana Rybina (MINSK, Belarus), Tatsiana Rybina, Volha Kardash, Siarhei Semizhon, Victor Zaitsev, Aliaxandra Rybina, Hleb Kardash

PA4285 Bronchopulmonary system changes in the employees of nuclear industry
Lyudmila I. Shvayko (Kiev, Ukraine), Lyudmila I. Shvayko, Viktor Sushko, Kostiantyn Bazyka

T-33 Session 610 12:50 - 14:40
Thematic Poster: The indoor and ambient environments
Tag(s): Healthy Lungs for Life (HLfL)
Chairs: Jolanta M. Walusiak-Skorupa (ód, Poland), Nicola Murgia (Perugia, Italy), Mona Lärstad (Gothenburg, Sweden), Joanna Szram (London, United Kingdom)

PA4286 Outdoor exercise with different PM$_{2.5}$ concentrations and heart rate variability effects in healthy individuals, São Paulo, Brazil
Renato Batista Paceli (SAO PAULO/SP, Brazil), Renato Paceli, Aretusa Cardoso, Matheus Cavalcante de Sá, Mauro Walter Vaisberg, Naomí Kondo Nakagama, Mario Terra Filho, Dirce Maria Trevisan Zanetta, Ubiratan de Paula Santos

PA4287 Self-reported traffic exposure is not strongly correlated with modelled NO$_x$ in a Northern European cohort study
Hanne Krage Carlsen (Umeå, Sweden), Hanne Krage Carlsen, David Olsson, Thorarinn Gislason, Johan Hellgren, Christer Janson, Ane Johannessen, Rain Jögi, Torben Sigsgaard, Bertil Forsberg

PA4288 Are physicians specialists on the impact of air pollution on health?
Tadeusz M. Zielonka (Warsaw, Poland), Tadeusz M. Zielonka, Katarzyna Zycinska

PA4289 Exposure to damp or mould at home in relation to respiratory symptoms and asthma in the Telemark study, Norway
Anne Kristin Møller Fell (Skien, Norway), Anne Kristin Møller Fell, Kjell Torén, Joohy Kongerud, Anne Kristin Møller Fell

PA4290 Household smoking and respiratory health in Telemark, Norway – 10 years after the introduction of a smoking ban
Anne Kristin Møller Fell (Skien, Norway), Anne Kristin Møller Fell, Jeong.Lim Kim, Regine Abrahamsen, Martin Veel Svendsen, Kjell Torend, Joohy Kongerud, Paul Henneberger

PA4291 Swimming pools: Exposure time and asthma symptoms in children
Martin Andersson (UMEA, Sweden), Martin Andersson, Helena Backman, Gunnar Nordberg, Käre Eriksson, Linnea Hedman, Annika Hagenbjörk, Bertil Forsberg, Eva Rönmark

PA4292 Indoor pollution and respiratory health in the Himalayas
Eva Bernardi (Ferrara, Italy), Eva Bernardi, Angela Marinoni, Lorenza Pratali, Paolo Bonsaoni, Paolo Sdringola, Sanjeev Bhandari, Buddha Basnyat, Annalisa Cogo

PA4293 High-altitude alpine therapy and lung function in asthma: Systematic review and meta-analysis
Denis Vinnikov (Bishkek, Kyrgyzstan), Denis Vinnikov, Abdullah Khafagy, Paul Blanc, Nurlan Brimkulov, Craig Steinmaus

PA4294 Children’s micro-environment air pollution exposures in London and Bangalore
Rossa Brugha (LONDON, United Kingdom), Rossa Brugha, Sidra Hassen, Samatha Sonnappa, Jonathan Grigg

PA4295 Does prolidase activity an early marker for lung emphysema in biomass smoke exposed women
Bunyamin Sertogullarindan (zm, Turkey), Bunyamin Sertogullarindan, Hatice Sezen, Hulya Gunbatar, Aysel Sunnetcioglu, Ahmet Arisoy, Selami Ekim, M. Hakan Bilgin, Nurten Aksoy, Bulent Ozbay

PA4296 Biomass exposure and its association with respiratory symptoms, quality of life, and lung function: A population study in Ife, Nigeria
Daniel Obaseki (Ile-Ife, Nigeria), Daniel Obaseki, Bamidele Adeniyi, Gregory Erhabor

PA4297 Do air pollution and outdoor temperature influence the frequency of acute COPD exacerbations?
Iliya Krachunov (Pleven, Bulgaria), Iliya Krachunov, Nikolay Yanev, Nikolay Kyuchukov, Zlatina Ivanova, Petkana Hristov, Pavlina Glogovska, Plamen Pavlov, Tsanya Popov, Yavor Ivanov

PA4298 Exposure to low dose of particles produced by biomass burning: Respiratory toxicity
Mariana Machado (Niterói, Brazil), Mariana Machado, Giovanna Carvalho, Estela Vicente, Célia Alves, Walter Zin

PA4299 Treatment of chronic obstructive pulmonary disease in clean-up workers of the Chornobyl NPP accident in the remote period after irradiation with additional 6 month prescription combination of ambroxol and essential phospholipids
Viktor Sushko (Kyiv, Ukraine), Victor Sushko, Liudmila Shvaiko, Konstantin Bazyka, Alona Riazhskaya
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<td>Predictors of chronic rhinosinusitis among World Trade Center (WTC) exposed fire department city of New York (FDNY)-workers: A 13.5 year longitudinal analysis</td>
<td>Barbara Putman (Gent, Belgium), Barbara Putman, Sophia Kwon, Anna Nolan, Guy F. Joos, Michael D. Weiden</td>
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<td>Syed Hissam Haider (New York, United States of America), Syed Hissam Haider, Audrey K. Lee, Erin J. Caraher, Liqun Zhang, Mohamed Zedan, David J. Prezant, Sophia Kwon, Anna Nolan</td>
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<td>Prevalence of respiratory symptoms and lung function status of firefighters in Benin City, Nigeria</td>
<td>Eruke Egbagbe (Benin City, Edo State, Nigeria), Alphonsum Isara, Elizabeth Egbagbe</td>
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<td>Clinico-radiological and functional assessment of respiratory symptomatics with either exposure to biomass fuel smoke or tobacco smoking</td>
<td>Vikas Chandra Pilaniya (NEW DELHI, India), Vikas Pilaniya, Shekhar Kunal, Ashok Shah</td>
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<td>Systemic inflammatory profile associated with exposure time to burning sugarcane</td>
<td>Marceli Rocha Leite (Presidente Prudente, Brazil), Marceli Rocha Leite, Iara Buriola Trevisan, Guilherme Yassuyuki Tacao, Aline Duarte Ferreira, Ercy Mara Cipulo Ramos, Fabio Santos de Lira, Dionei Ramos</td>
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<td>Burnt sugarcane harvesting is associated with short and long term alterations in systemic and pulmonary inflammatory markers</td>
<td>Marceli Rocha Leite (Presidente Prudente, Brazil), Marceli Rocha Leite, Emmanuel de Almeida Burdmann, Dionei Ramos, Iara Buriola Trevisan, Ubiratan de Paula Santos</td>
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T-34  Session 611  12:50 - 14:40

**Thematic Poster: Smoking cessation strategies**

**Chairs:** Paraskevi Katsaounou (Athens, Greece), Bertrand Dautzenberg (Paris, France), Hiroo Wada (Tokyo, Japan), Michael Toumbis (Athens, Greece)

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<td>Newly diagnosed diseases during the smoking cessation process</td>
<td>Ika Pešić (Beograd, Republic of Serbia), Ika Pešić, Branislav Gvozdenovic, Branka Bulajic-Subotic, Vladimir Zugic, Nada Lazovic</td>
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<td>Interim report: The effectiveness of smoking cessation in tuberculosis patients and its effective factor</td>
<td>Mahshid Aryanpur (Tehran, Islamic Republic of Iran), Mahshid Aryanpur, Mohammad Reza Masjedi, Esmaeil Mortaz, Seyed Mohammad Reza Aryan, Zahra Hessami, Hooman Sharifi, Payam Tabarsi, Mostafa Hosseini</td>
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<td>Attitude change of ex-smokers in regards to the smoking approval in the living environment</td>
<td>Ika Pešić (Beograd, Republic of Serbia), Ika Pešić, Branislav Gvozdenovic, Branka Bulajic-Subotic, Nada Lazovic</td>
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<td>Characteristics of smoking cessation among hard-core smokers (HCS)</td>
<td>Aissa Sana (Kairouan, Tunisia), Aissa Sana, Benzarti Wafa, Mezghani Sonia, Abdelghani Ahmed, Ghofrane Jaffel, Gargouri Imen, Ben Salem Haiima, Gharrouche Abdelhamid, Hayouni Abdelaziz, Benzarti Mohamed</td>
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<td>Effectiveness of motivational interview for smoking cessation in hospital setting</td>
<td>Mihaela Zidarn (Golnik, Slovenia), Mihaela Zidarn, Ana Kolenko</td>
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<td>Comparing behavior, attitude and knowledge about smoking cessation between smoking and non-smoking healthcare professionals</td>
<td>Ana Santos (Folhadosa, Portugal), Ana Santos, Joana Carvalho, Rafaela Campanha, Inês Ribeiro, Cristina Matos, Fernando Nogueira</td>
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<td>The need for smoking cessation in pregnant women in Greece</td>
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<td>The influence of respiratory nurse’s awareness of health hazards of smoking on smoking cessation interventions provided by tertiary hospitals in Guangzhou, China</td>
<td>Yueming Su (Guangzhou, China), Yueming Su, Shujun Chen, Wei He, Yucui Gong, Lijie Xin, Mei Jiang</td>
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<td>5As (ask, advise, assess, assist, arrange) tobacco treatment delivery in primary care settings in Greece</td>
<td>Charis Girvalaki (Heraklion, Greece), Sophia Papadakis, Charis Girvalaki, Constantine Vardavas, Andrew Pipe, Christos Lionis</td>
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<td>An observational study &quot;Quitline service&quot; for smoking cessation in Hungary</td>
<td>Erika Pataki (Budapest, Hungary), Erika Pataki, Luca Hodosz, Erzsebet Tóth, Ildikó Horvath, Gábor Kovács</td>
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PA4316  Anti-smoking treatment failure: Differential features  Francisco Javier Callejas Gonzalez (Albacete, Spain), Francisco Javier Callejas Gonzalez, Raul Godoy Mayoral, Javier Cruz Ruiz, Wanda Mayoris Almonte, Marta Genoves Crespo, Francisco Javier Agustín Martínez, Abel Jesús Martínez García, José Alfonso García Guerra, Ángel Molina Cano, Ana Isabel Tornero Molina

PA4317  The questionnaire chronic obstructive pulmonary disease-population screener (COPD-PS) as a screening of the chronic obstructive pulmonary disease (COPD) in a quitting smoke medical practice  Ana Gomez-Bastero Fernandez (SEVILLA, Spain), Ana Gomez-Bastero Fernandez, Concepción Romero Muñoz, Patricia Guerrero Zamora, Virginia Almadana Pacheco, Teodoro Montemayor Rubio

PA4318  Knowledge of doctors about smoking risks and their attitude toward it’s cessation in antenatal clinics  Saima Akhter (Karachi, Pakistan), Saima Akhter, Shaista Ghazal, Usman Ali Warraich

PA4319  Respiratory impairment relating to smoking habits evaluated by lambda-mu-sigma method derived z-score in healthy ever-smokers  Shinobu Osanai (Asahikawa, Japan), Shinobu Osanai, Toshiyuki Ogasa, Naoyuki Hasebe

PA4320  Early spirometric changes in asymptomatic smokers; is it a time dependent?  Safaa Wafy (Assiut, Egypt), Safaa Wafy, Gamal Agamy, Abeer Ali

PA4321  Knowledge, attitude and practices of health care professionals towards tobacco control in south India  GLAD MOHESH (TIRUPURUR, India), Glad Mohesh, Jyotsna Srinath, Rajeev Kuppalagan Rajendiran, Sundaramurthy Annamalai

PA4322  Relationship between gender differences and psychiatric symptom test results in smokers applied to the smoking cessation clinic  Pınar Bostan (SAKARYA, Turkey), Pınar Bostan, Fatmanur Okyaltirik, Emel Kocer, Cigdem Kinik Camlicali

PA4323  Tobacco smoking profile of patients with respiratory ailments at AIIMS Bhubaneswar  Souri Bhuniya (Bhubaneswar, India), Souri Bhuniya, John Fernando G, Priyadarshini Behera, Gourahari Pradhan, Manoj K. Panigrahi, Prasanta R. Mohapatra

PA4324  Comparison cessation treatment after 5 years experience  Raul GODOY MAYORAL (Albacete, Spain), Raul Godoy Mayoral, Francisco Javier Callejas Gonzalez, Javier Cruz Ruiz, Wanda Mayoris Almonte, Marta Genoves Crespo, Francisco Javier Agustín Martínez, Abel Jesús Martínez García, José Alfonso García Guerra, Angel Molina Cano, Ana Isabel Tornero Molina

PA4325  Comparing smoking cessation behaviour, attitudes and knowledge between trained and non-trained healthcare professionals  Joana Sofia Vicente de Carvalho (Bobadela LRS, Portugal), Joana Sofia Vicente de Carvalho, Ana Alves Santos, Rafaela Campanha, Inês Ribeiro, Cristina Matos, Fernando Nogueira

T-35  Session 612  12:50 - 14:40

Thematic Poster: Smoking-related diseases

Tag(s): Healthy Lungs for Life (HLfL)

Chairs: Keir E Lewis (Dyfed, Wales, United Kingdom), Dimos Fotopoulos (Rethymnon, Greece), Elif Dagli (Istanbul, Turkey), Alhasan As Bata (The ssalonik, Greece)

PA4326  Smoking risk in cardiovascular and cerebrovascular diseases  Andreia Filipa Fonseca Carriço (Guarda, Portugal), Andreia Filipa Fonseca Carriço, Filipa Fernandes, Rita Gomes, Filomena Luís

PA4327  Comparison of clinical profile and outcome of myocardial Infarction in smokers and non-smokers  Ashok Kumar (Karachi, Pakistan), Ashok Kumar, Sadhna Panjwani

PA4328  Evaluation of the association between cardiac structural and functional changes in healthy smokers  Thais Garcia (Botucatu, Brazil), Thais Garcia, Ana Natalia Ribeiro Batista, Thyego Mychell Moreira Santos, Danieliso Renato Fusco, André Luís Bertani, Paula Schmidt Azevedo Gaiolla, Marcos Minicucci, Sergio Alberto Rupp Paiva, Irma Godoy, Suzana Erica Tanni Minamoto

PA4329  Quitting smoking and reduction of cardiovascular risk factors  Juan Manuel DIEZ PINA (madril, Spain), Juan Manuel Diez Piña, Natividad Quílez, Teresa Bilbao-Goyoaga, Raquel Pérez Rojo, Dolores Alvaro Alvarez, Paz Rodriguez

PA4330  The importance of smoking as a risk factor of hypertension development in the Arctic region  Irina Gagarinova (Nadym, Russian Federation), Irina Gagarinova, Andrei Popov, Andrei Lobanov

PA4331  Comparison of post natal abnormalities and death of infants of smoking and non-smoking women  Sadhana Notani (Karachi, Pakistan), Sadhana Notani, Ashok Kumar
Comparison of osteoporosis in male smokers with or without COPD
Sheikh Abul Hasanat Mohammad Mesbahul Islam (Sylhet, Bangladesh), Sheikh Abul Hasanat Mohammad Mesbahul Islam, Mohammad Zabed Jililul Bari, A.F.M. Nazmul Islam

Do current smoking COPD patients exacerbate more often?
IGOR MURGA ARIZABALETA (Vitoria-Gasteiz, Spain), Igor Murga Arizabaleta, Cristina Sánchez Vieco, Ester Maríjuán Gómez, Ana Gómez Larrauri, Olatz Llaguno Ochandiano, Amanda Lopez Picado, José Luis Lobo Beristain, Patricia Sobradillo Ecenarro

Comparison of the effects of smoking and biomass exposure in chronic obstructive pulmonary disease
ibrahim Koç (Gaziantep, Turkey), Ibrahim Koç, Funda Yalçın, Ahmet Ulaşan

Smoking prevalence among surgically treated lung cancer patients
Tanel Laisaar (TARTU, Estonia), Tanel Laisaar, Bruno Sarana, Indrek Benno

Smoking and lung function among adults with newly-onset asthma
Jouni J.K. Jaakkola (Oulu, Finland), Jouni J.K. Jaakkola, Samu Hernberg, Taina Lajunen, Penpatra Sripaiboonkij, Maritta Jaakkola

Smoking in tuberculosis – Don’t we have the knowledge?
Rita Daniela Peixoto Boaventura (Porto, Portugal), Rita Daniela Peixoto Boaventura, David Araújo, Leonor Meira, Leonor Almeida, Catarina Chaves, Helder Novais Bastos

Smoking as a risk factor for survival in heart transplantation
Filipe Leite (Coimbra, Portugal), Filipe Miguel Ferreira Leite, David Prieto, Manuel Antunes

Impact of persistence of smoking on recurrence after early stage lung surgery
Cagatay Tezel (İstanbul, Turkey), Yelda Basbug Tezel, Mustafa Akyıl, Cagatay Tezel, Fatma Tokgoz Akyıl, Serdar Evman, Deniz Gurer, Volkan Baysungur, İrfan Yalçinkaya

Lung function and respiratory infections in children exposed to passive smoking
Aleksandar Kamenov (Nis, Republic of Serbia), Aleksandar Kamenov, Svetlana Kamenov, Ivana Vidanovic, Borislav Kamenov, Milan Tosić

Intensive smoking cessation programme outcome in patients with psychiatric disorder
Daniel José Pires Coutinho (Coimbra, Portugal), Daniel José Pires Coutinho, Catarina Marques, Inês Ladeira, Miguel Guimarães, Ivone Pascoal

How COPD patients understand their disease and what are their future expectations?
Rasa Gauronskaite (Vilnius, Lithuania), Rasa Gauronskaite, Silvija Zemnickiene, Irina Liustrickyte, Dalia Poceviciute, Edvardas Danila, Ruta Kibarskyte

The influence of anxiety on the behavior of smoking in patients with community-acquired pneumonia
Iosif Marincu (TIMISOARA/TIMIS, Romania), Iosif Marincu, Stefan Mihaicuta, Nicoleta Bertici, Daliborca Vlad, Anca Tudor, Livius Tîrnea

Attitudes and knowledge of Greek midwives on smoking cessation
Paraskevi Katsaounou (Athens, Greece), Athina Diamanti, Paraskevi Katsaounou, Aedranda Tsoukaraki, Maria Efthimiou, Victoria Viviliaki

Social pathology of respiratory diseases in infancy and childhood
Nikolay Yanev (Pleven, Bulgaria), Stela Georgieva, Mariela Kamburova, Nikolay Yanev

Results of upper airway surgery in < 2 year old children with severe obstructive sleep apnea
An Boudewyns (Edegem (Antwerp), Belgium), An Boudewyns, Paul Van de Heyning, Stijn Verhulst

Positional (supine dependent) obstructive sleep apnea (POSA) is uncommon in children
An Boudewyns (Edgemere, Belgium), An Boudewyns, Olivier Vanderveken, Paul Van de Heyning, Stijn Verhulst

Pulmonary function tests (PFT) and sleep disordered breathing (SDB) in morbidly obese children and adults
Audrey Hochart (Lille, France), Audrey Hochart, Véronique Nève, Iva Gueorguieva, Marie Pigeyre, Christelle Monaca, Anne Mallart, Virginie Debroucker, Olivier Le Rouzic, Régis Matran
The importance of a respiratory assessment in morbidly obese paediatric patients prior to bariatric surgery
Cara J. Bossley (LONDON, United Kingdom), Cara J. Bossley, Martha Ford-Adams, Simon Chapman, Atul Gupta, Gary Ruiz, Ashish Desai

Oximetry screening alone is not sufficient to identify nocturnal hypoventilation in Duchenne muscular dystrophy
Philip Davies (GLASGOW, United Kingdom), Robert Baker, Neil Gibson, Philip Davies

CPAP can improve respiratory effort as measured by surface electromyogram of the diaphragm (sEMGdi) in children with sleep-disordered breathing
Sandra Chuang (Sydney, NSW, Australia), Sandra Chuang, Arthur Teng, Jane Butler, Simon Gandevia, Hiran Selvadurai, Adam Jaffe

Diagnostic value of a biological marker in the diagnosis of obstructive sleep apnea in children
Melania Evangelisti (Civita Castellana, Italy), Melania Evangelisti, Ottavio Vitelli, Francesca Cocilovo, Annaluce Zambrano, Marilisa Montesano, Maria Pia Villa

Effects of adenotonsillectomy in children with sickle cell disease
Lisa van Geyzel (Worcester Park, United Kingdom), Lisa Van Geyzel, Bethany Singh, Baba Inusa, Morium Akthar, Cara Bossley, Wanda Kozlowska, David Rees, Subarna Chakravorty, Gary Ruiz, Ian Hore, Atul Gupta

Oral language performance in children with obstructive sleep apnea
Silke Weber (BOTUCATU/SP, Brazil), Silke Weber, Camila Correa, Dagma V.M. Abramides, Luciana P. Maximino

The relationship between parasomnias and sleep respiratory events in children with epilepsy
Maria Gogou (Katerini, Greece), Maria Gogou, Evangelos Pavlou, Maria Eboriadou, Katerina Haidopoulou

Home cardiorespiratory polygraphy studies in children: A new service
Florian Gahleitner (Southampton, United Kingdom), Florian Gahleitner, Michelle Davies, Natasha Liddle, Johanna Gavlak, Hazel J. Evans

Sleep-related hypoventilation in children with Prader-Willi syndrome: Experience from two UK paediatric sleep centres
Francois Abel (London, United Kingdom), Francois Abel, Hui-Leng Tan, Aidan Laverty, Valentina Negro, Nicola Bridges, Thomas Carlisle, Elaine Chan, Michael Miligkos, Martin Samuels, Athanasios G. Kadiatis

The association between obstructive sleep apnea and nocturnal enuresis in children
Hanaa Shafiek (ALEXANDRIA, Egypt), Hanaa Shafiek, Melania Evangelisti, Nashwa Hassan, Jole Rabasco, Mona Elhoshy, Marilisa Montesano, Maria Pia Villa, Mahmoud Ibrahim

Respiratory complications of children with Prader-Willi syndrome
Valentina Negro (Rome, Italy), Valentina Negro, Nicola Bridges, Andrew Bush, Renato Cutrera, Hui-leng Tan

Sleep disordered breathing (SDB) in patients with Beckwith-Wiedemann syndrome (BWS)
Doxa Kotzia (London, United Kingdom), Doxa Kotzia, Rishi Pabary, Francois Abel, Aidan Laverty, Martin Samuels

Management of sleep-disordered breathing in children with achondroplasia
Rossana Tenconi (Milan, Italy), Rossana Tenconi, Sonia Khirani, Alessandro Amaddeo, Genevieve Baujat, Vincent Coulouigner, Jorge Olmo Arroyo, Michel Zerah, Valerie Cormier-Daire, Brigitte Fauroux

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Chairs: Alexander Möller (Zurich, Switzerland), Sejal Saglani (London, United Kingdom), Pinelopi Anagnostopoulou (Bern, Switzerland), Antonella Frassanito (Rome, Italy)

Feasibility of shotgun urinary proteomics for investigating prematurely born preschoolers (PBP)
PIERLUIGI MAURI (Segrate, Italy), Pierluigi Mauri, Rossana Rossi, Antonella De Palma, Rosalia Paola Gagliardo, Velia Malizia, Giovanna Cilluffo, Giuliana Ferrante, Sabrina D’Arpa, Stefania La Grutta

Modified pulmonary index score (MPIS) and indication of hospitalization for acute asthma exacerbation in children
nagatoshi sagara (tokyo, Japan), Nagatoshi Sagara, Ryouhei Suzuki, Akiko Aota, Kennishi Akashi, Toshio Kastunuma

Informativity of biometric and functional parameters for asthma control verification in children
Igor A. Klimanov (Moscow, Russian Federation), Igor A. Klimanov, Svetlana Soodaeva, Tatyana Eliseeva, Mary Glukhova, Lidiya Nikitina

Lung function determined by impulse oscillometry in preschoolers hospitalised for moderate or severe bronchiolitis in infancy
Joseph Meredith (Mayfield, Australia), Joseph Meredith, Matthew Morten, Elizabeth Kepreotes, Adam Collison, Joerg Mattes
**PA4366** Hs-CRP in early childhood wheezing  
Anette M. Määttä (HELSINKI, Finland), Anette Määttä, Anne Kotaniemi-Syrjänen, Kristiina Malmström, L. Pekka Malmberg, Anna S. Pelkonen, Mika J. Mäkelä

**PA4367** High flow nasal cannula (HFNC) long term benefits through a study exploring links between bronchiolitis and (epigenetic) influence of virus to asthma evolution  
Kalomoiro Kefala (Liège, Belgium), Kalomoiro Kefala, Marie-Christine Seghaye

**PA4368** Within- and between-visit repeatability of impulse oscillometry in healthy and symptomatic young children  
Hanna Knihtilä (HELSINKI, Finland), Hanna Knihtilä, Anne Kotaniemi-Syrjänen, Anna Pelkonen, Satu Kalliola, Mika Mäkelä, Pekka Malmberg

**PA4369** The predictive value of capnography in persisting childhood asthma  
Zoltán Novák (Szeged, Hungary), Zoltán Novák, Sára Fényszárosi

**PA4370** Risk factors of FEV1 instability in asthmaic children  
Anissa Berraies (Ariana, Tunisia), Anissa Berraies, Ines Moussa, Besma Hamdi, Amany Touil, Sawssen Torkmen, Jamel Ammar, Saloua Belhamsa Jameleddine, Agnes Hamzaoui

**PA4371** GST genes defects contribution into asthma phenotypes characteristics in children  
Ludmila Zhelenina (St. Petersburg, Russian Federation), Mary Kuropatenko, Natalia Platonova, Zarrina Azamova, Elizaveta Agapova, Ludmila Zhelenina

**PA4372** Lung clearance index in asthmatic patients  
Luigi Lubrano (VERONA, VR, Italy), Luigi Lubrano, Sonia Volpi, Elisa Andreatta, Antonella Borruso, Elena Spinelli, Corrado Vassanelli, Ugo Pradal, Ciro D’Orazio

**PA4373** Exhaled nitric oxide (FeNO) levels to guide treatment for children with asthma: A Cochrane systematic review  
Helen Petsky (South Brisbane, QLD, Australia), Helen Petsky, Kayleigh Kew, Catherine Turner, J. Anne Kynaston, Anne Chang

**PA4374** Exacerbations after stepping down medication in children with well-controlled asthma: predictive value of spirometry and nitrate/nitrite concentration and pH in exhaled breath condensate  
Magdalena Voces (Buenos Aires, Argentina), Magdalena Voces, Andrea Dugour, Marcela Roque, Doris Primrose, Carlos Velasco Suarez, Gimena Donth, Carlos Oliva, Anahi Kruger, Ana Balanzat, Juan Manuel Figueroa

**PA4375** The virtual asthma clinic: Description and analysis of website-use  
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**PA4376** Small airway dysfunction and its role in pediatric asthma control assessment  
Olata Sardon (SAN SEBASTIAN, Spain), Olata Sardon, Garazi Azaldegi, Paula Corcuera, Ane Aldasoro, Jose I. Emparanza, Javier Mintegui, Javier Korta, Eduardo G. Pérez-Yarza

**PA4377** Results of cluster analysis in predicting remodeling of the bronchi in children with bronchial asthma  
Galyna Bilyk (Chernivtsi, Ukraine), Elena Koloskova, Galyna Bilyk, Tatiana Bilous

**PA4378** Study of the correlations between FE(NO) and atopic status, blood eosinophils, FCE R2 mutation, and asthma control in Vietnamese children  
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**PA4380** Prediction of asthma control and treatment changes in obstructive asthmatic children  
Nicole Beydon (Paris, France), Fatma Lacin, Thi Lan Thanh Nguyen, Corinne Alberti, Nicole Beydon

**PA4382** Evaluation of asthma control among children in the Maghreb and sub-Saharan Africa  
bousayna iraqi (harhoura, Morocco), Bousayna Iraqui, Chafiq Mahraoui

**PA4383** Correlation between meteorological factors and asthma exacerbation among children: A prospective study  
bousayna iraqi (harhoura, Morocco), Bousayna Iraqui, Chafiq Mahraoui

**PA4384** Pulmonary hemodynamics and respiratory function associations in children with bronchial asthma  
Oleksandr Onikiienko (Kharkiv, Ukraine), Oleksandr Onikiienko, Margaryta Gonchar, Valentyn Polyakov, Oksana Tsyura

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**Chairs:** Neeta S Kulkarni (Nottingham, United Kingdom), Abigail Whitehouse (Brockley, United Kingdom), Christian Bieli (Basel, Switzerland), Sanne F. Kloosterman (Rotterdam, Netherlands)

**PA4382** Evaluation of asthma control among children in the Maghreb and sub-Saharan Africa  
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**PA4384** Pulmonary hemodynamics and respiratory function associations in children with bronchial asthma  
Oleksandr Onikiienko (Kharkiv, Ukraine), Oleksandr Onikiienko, Margaryta Gonchar, Valentyn Polyakov, Oksana Tsyura
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Risk factors for emergency re-attendance for acute childhood asthma in the city of Esmeraldas, Ecuador  
Cristina Ardura Garcia (Madrid, Spain), Cristina Ardura-Garcia, Erick Arias, Paola Hurtado, Carlos Sandoval, Phil Cooper, John Blakey

**PA4387**  
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**PA4388**  
Defining uncontrolled childhood asthma in the global PiCA consortium  

**PA4389**  
Internet use among parents of asthmatic children in Morocco  
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**PA4390**  
Early life wheeze clusters in the Isle of Wight birth cohort  
Ramesh J. Kurukulaaratchy (Newport, Hants, United Kingdom), Ramesh J. Kurukulaaratchy, Hongmei Zhang, Claire Hodgekiss, S. Hasan Arshad

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Prevalence of allergic diseases in children living in rural and urban areas in Turkey  
Yasemin Gökdemir (Istanbul, Turkey), Erdal Kılıç, Yasemin Gökdemir, Banu Cakir, Ahmet Uğur Demir, Can Naci Kocabas, Bulent Karadag, Fazilet Karakoc, Refika Ersu

**PA4392**  
Frequency of prevalence vocal cord dysfunction among patients with uncontrolled asthma in Vinnitsa region of Ukraine  
Kostiantyn Dmytryiev (Vinnitsa, Ukraine), Kostiantyn Dmytryiev, Katilov Olexandr, A.O. Lobodiuk, Bulat Leonid, I.M. Koroleva

**PA4393**  
Response to bronchodilators in school children with asthma and normal FEV1  
Aleksandar Kamenov (Nis, Republic of Serbia), Aleksandar Kamenov, Svetlana Kamenov, Milan Tosic, Ivana Vidanovic, Borislav Kamenov

**PA4394**  
Asthma phenotypes in children: Allergic versus non allergic  
Seyed Alireza Mahdaviani (Tehran, Islamic Republic of Iran), Seyed Alireza Mahdaviani, Seyed Amir Mohajerani, Mohammad Fakhri, Mazaher Ebrahimi Ebrahimi, Ali Akbar Velayati

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Analysis of risk factors in children with asthma exacerbations treated at the National Institute of Respiratory Diseases “Ismael Cosio Villegas” (INER)  
JOSE IVAN RODRIGUEZ DE MOLINA (MEXICO, Mexico), Angel Isaac Gomez Jacone, Claudia Garrido Galindo, Jose Ivan Rodriguez De Molina, Myrna Raquel Ibarra Gomez, Rogelio Ramses Hernandez Pliego

**PA4396**  
Temporal trends in asthma and asthma-like symptom prevalence in Skopje, The Republic of Macedonia  
Emilija Vlashki (Skopje, FYROM (Macedonia)), Emilija Vlashki, Valentina Cvejoska Colakovska, Tara Ristevska, Mica Kimovska, Lidija Scekova, Vesna Mivcevska, Joshua Lawson

**PA4398**  
LATE-BREAKING ABSTRACT: Once-daily tiotropium Respimat® add-on therapy improves lung function in children with moderate symptomatic asthma  
Georges El Azzi (PARIS, France), Olaf Schmidt, Eckard Hamelmann, Christian Vogelberg, István Laki, Georges El Azzi, Michael Engel, Petra Moroni-Zentgraf, Helen Finnigan, Mark Vandewalker

**PA4399**  
LATE-BREAKING ABSTRACT: Safety and tolerability of once-daily tiotropium Respimat® add-on therapy in children with moderate symptomatic asthma  
Christian Vogelberg (Dresden, Germany), Christian Vogelberg, István Laki, Olaf Schmidt, Eckard Hamelmann, Georges El Azzi, Michael Engel, Petra Moroni-Zentgraf, Helen Finnigan, Mark Vandewalker

**PA4400**  
LATE-BREAKING ABSTRACT: Predicting asthma at age 8: the application of machine learning  
Silvia Colicino (London, United Kingdom), Silvia Colicino, Cosetta Minelli, Adnan Custovic, Steve Turner, Paul Cullinan

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**Thematic Poster: The future of lung function is beginning now**  
**Chairs:** Monika Franczuk (Warszawa, Poland), Felip Burgos (Barcelona, Spain), Daniel Schuermans (Brussels, Belgium), Matjaz Flezar (GOLNIK, Slovenia)
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**T-40 Session 617 12:50 - 14:40**

**Thematic Poster: Physiotherapy interventions and assessment options in hospitalised patients**

**Chairs:** Elena Gimeno-Santos (BARCELONA, Spain), Deniz Inal-Ince (Ankara, Turkey), Agnieszka Lewko (London, United Kingdom), Samanta Harrison (Middlesborough, United Kingdom)
Effectiveness of an early mobilization program on functional capacity after coronary artery bypass surgery: Randomized controlled trial
Luciana Chiavegato (SAO PAULO/SP, Brazil), Daniel da Costa Torres, Priscila Ramos da Silva, Helder Jose Lima Reis, Denise Moraes Paisani, Luciana Chiavegato

The use of intermittent positive pressure breathing to prevent secondary pulmonary complications in patients with blunt chest wall trauma
Rachael Moses (North Shields, United Kingdom), Rachael Moses, Thomas Flint, Victoria Mummery, Claire O’Farrell, Lisa Ronson, Lucy Coughlan

Effects of neuromuscular electrical stimulation in critically ill patients by assessment with peak torque evoked: A randomized controlled trial
Natália Pinto (BRASÍLIA/DF, Brazil), Natália Pinto, Larissa Santana, André Xavier, Vinicius Malandaer

Experimental pig model to assess secretions mobilization during mechanical ventilation in pediatrics
Talitha Comaru (BARCELONA, Spain), Talitha Comaru, Camila Machado, Aline Basso, Fernanda Rutkoski, Leonardo Pinto

Repercussion of different physical therapy interventions on the perceived health status of AECOPD patients
Irene Torres Sanchez (Santa Fe, Spain), Irene Torres Sanchez, Marie Carmen Valenza, Tamara Del Corral Núñez-Flores, Alfredo Molina Ocaíta, Laura López López, Gerald Valenza Demet

Effects of a physical therapy intervention in patients hospitalized due to community acquired pneumonia
Marie Carmen Valenza (GRANADA, Spain), Marie Carmen Valenza, Irene Torres-Sanchez, Tamara Del Corral Núñez-Flores, Juan Antonio Navajas Gómez de Aranda, Ana Rios-Sanchez, Janet Rodríguez Torres

Results of an exercise intervention in frail older patients with acute exacerbation of COPD
Marie Carmen Valenza (GRANADA, Spain), Marie Carmen Valenza, Irene Torres-Sanchez, Tamara Del Corral Núñez-Flores, Ana Díaz-Pelegrina, Janet Rodríguez-Torres, Mª Paz Moreno-Ramírez

A randomized controlled trial of respiratory physiotherapy for patients with LRTI
Alda Sofia Pires de Dias Marques (Aveiro, Portugal), Alda Sofia Pires de Dias Marques, Ana Oliveira, Rodrigo Ayoub, Joana Neves

Pain assessment in the intubated and sedated intensive care patients
Beyza Nur Karadüz (Ankara, Turkey), Yasemin Çirak, Gül Deniz Yilmaz Yelvar, Ali Osman Çirak, Beyza Nur Karadüz

Comparison of flow and volume incentive spirometry on pulmonary function and exercise tolerance in open abdominal surgery - A randomized clinical trial
Sampath Kumar (Hyderabad, India), Sampath Kumar

Interobserver reliability of quadriceps evaluation by ultrasound in mechanically ventilated polytrauma patients
Larissa Vieira Santana (Brasilia, Brazil), Larissa Vieira Santana, Natalia Lucilia Pinto, André Souza Xavier, Rafael Ribeiro Zille, Vinicius Zacarias Malandaer, Priscilla Flavia Melo, Gerson Cipriano, Luciana Vieira

Non-invasive positive airway pressure added to chest physiotherapy promotes a faster resolution of pleural effusion after drainage: A randomised controlled trial
Adriana C. Lunardi (SAO PAULO/SP, Brazil), Elinaldo Santos, Marcela Vidal, Juliana Silva, Marcus Assis Filho, Moisés Monte, Adriana C. Lunardi

Effects of home-based inspiratory muscle training on symptoms in adults hospitalized for community-acquired pneumonia
Ulrika Thunström (Stockholm, Sweden), Ulrika Thunström, Gun Faager

Reliability of maximal voluntary strength and endurance measurement of the quadriceps with a hand held dynamometer in COPD patients
Marc Beaumont (Lannion, France), Marc Beaumont, Guillaume Keraurtet, Loic Péran, Romain Pichon, Michel Cabillic

Comparison of three walking tests to cardiopulmonary exercise tests in the assessment of exercise tolerance in individuals with pulmonary arterial hypertension
Aline Marsico (Sao Paulo, Brazil), Aline Marsico, Etienne Farah de Cravalho, Lawrence Cahalin, Simone Dal Corso, Roberto Stribulov, Ivan Peres Costa, Ross Arena, Luciana Malosá Sampaio

Thematic Poster: Treatment and assessment of functional outcomes in cardiorespiratory physiotherapy
Chairs: Catherine Granger (Parkville, VIC, Australia), Andre Nyberg (Québec, QC, Canada), Jennifer Alison (Killara, Australia), Melda Saglam (ANKARA, Turkey)
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<th>PA4445</th>
<th>Improving access to rehabilitation: A redesign project</th>
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<tbody>
<tr>
<td></td>
<td>Lissa Spencer (Sydney, NSW, Australia), Lissa Spencer, Jennifer Alison, Ruth Perrott, Julie Finch</td>
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<tr>
<th>PA4446</th>
<th>The responsiveness of the depression, anxiety and stress-21 items scale to pulmonary rehabilitation program</th>
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<td>Abebaw Yohannes (Manchester, United Kingdom), Abebaw Yohannes, Sheila Dryden, Nicola Hanania</td>
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<tr>
<th>PA4447</th>
<th>Impact of peripheral muscle strength and functional exercise capacity on health-related quality of life after surgical treatment in patients with non-small-cell lung cancer</th>
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<tbody>
<tr>
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<td>Masato Oikawa (Nagasaki, Japan), Masato Oikawa, Masatoshi Hanada, Hiroki Nagura, Naoya Yamasaki, Tomoshi Tsuchiya, Keitaro Matsumoto, Takuro Miyazaki, Takeshi Nagayasu, Ryo Kozu</td>
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<tr>
<th>PA4448</th>
<th>Reproducibility and relationships of the 6-minute walk test and shuttle walk test in children with cerebral palsy</th>
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<tr>
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<td>Natalia Silva (São Paulo, Brazil), Natalia Silva, Lawrence Cahalin, Simone Dal Corso, Arena Ross, Claudia Oliveira, Luciana Malosaampa</td>
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<tr>
<th>PA4449</th>
<th>Comparison of functionality in COPD patients with different nutritional status</th>
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<tr>
<td></td>
<td>Irene Torres Sanchez (Santa Fe, Spain), Irene Torres Sanchez, Marie Carmen Valenza, Tamara Del Corral Núñez-Flores, Laura López-López, Janet Rodríguez-Torres</td>
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<tr>
<th>PA4450</th>
<th>Knowledge and views of physiotherapists about smoking cessation and counseling</th>
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<td>Beyza Nur Karaduz (Ankara, Turkey), Yasemin Çirak, Gül Deniz Yılmaz Yelvar, Beyza Nur Karaduz</td>
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<tr>
<th>PA4451</th>
<th>Measurement of oxygen saturation and provision of supplemental oxygen during exercise assessment in people with COPD during pulmonary rehabilitation programs: A survey</th>
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<tbody>
<tr>
<td></td>
<td>Regina Leung (Sydney, NSW, Australia), Regina Leung, Zoe McKeeough, Sue Jenkins, Anne Holland, Kylie Hill, Norman Morris, Lissa Spencer, Catherine Hill, Annemarie Lee, Helen Seale, Nola Cecins, Christine McDonald, Jennifer Alison</td>
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<tr>
<th>PA4452</th>
<th>Relationship between pulmonary function and quality of life in women with osteoporosis or osteopenia</th>
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<td>Ertugrul SAFRAN (Istanbul, Turkey), Nihal Sakalli, Rengin Demir, Nur Selin Ozturt, Sansin Tuzun, Ertugrul Safran</td>
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<td>Room E</td>
<td>Session 619</td>
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<tr>
<td>Lunchtime session: Early life origins of asthma and COPD ERS/NEJM Lunchtime session</td>
<td><strong>Aims</strong> : To present how microbial and environmental exposures in early life modify the risk of developing asthma and COPD. <strong>Target audience</strong> : Allied health professional, Clinician, General practitioner, Paediatrician, Pulmonologist, Scientist <strong>Chairs</strong> : Erika von Mutius (Munich, Germany), Soren Pedersen (Kolding, Denmark)</td>
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<td></td>
<td><strong>13:30</strong> Links between childhood and adult airway obstruction Andrew Bush (LONDON, United Kingdom) 4455</td>
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<td><strong>14:00</strong> What are the common biological mechanisms that lead to obstructive airway disease? Fernando D. Martinez (Tucson, United States of America) 4456</td>
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<tr>
<th>Prince Regent Room</th>
<th>Session 620</th>
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<tbody>
<tr>
<td>Lunchtime session: Should we start screening programmes in Europe? Review of current scientific evidence</td>
<td><strong>Aims</strong> : To present the latest data concerning our capacity to early diagnose cancers; discuss and explain apparently divergent results from different trials; describe the possible harms that relate to the screening and diagnosis process; and detail the different approaches with imaging modalities. <strong>Track(s)</strong> : Oncology <strong>Chairs</strong> : Georgia Hardavella (London, United Kingdom), Sam Janes (London, United Kingdom)</td>
<td><strong>13:00</strong> Two dimensional versus three dimensional analysis of nodules detected during screening Martine Remy-Jardin (Lille, France) 4457</td>
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<td><strong>13:22</strong> How to deal with the detected nodule? David Baldwin (Nottingham, United Kingdom) 4458</td>
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<td><strong>13:44</strong> CT screening: the evidence 4459</td>
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<td><strong>14:06</strong> What are the current recommendations for screening and which one should we implement? 4460</td>
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<th>Room L</th>
<th>Session 621</th>
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<tbody>
<tr>
<td>Lunchtime session: GOLD: novel approaches to COPD assessment and management</td>
<td><strong>Aims</strong> : To describe new developments regarding the definition and assessment of COPD, the evaluation and treatment of comorbidities, and the definition, treatment, and prevention of exacerbations. <strong>Tag(s)</strong> : Clinical <strong>Target audience</strong> : Clinician, Nurse <strong>Chairs</strong> : Alvar Agusti Garcia-Navarro (Barcelona, Spain), Claus Vogelmeier (Marburg, Germany)</td>
<td><strong>13:00</strong> Definition and assessment of COPD Bartolome R. Celli (Boston, United States of America) 4461</td>
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<td></td>
<td><strong>13:30</strong> Evaluation and treatment of comorbidities Leonardo Michele Fabbi (Modena, Italy) 4462</td>
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<tr>
<td></td>
<td><strong>14:00</strong> Definition, treatment and prevention of exacerbations Wisia Wedzicha (London, United Kingdom) 4463</td>
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<tr>
<th>Room B</th>
<th>Session 622</th>
<th>13:00 - 14:30</th>
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<tbody>
<tr>
<td>Lunchtime session: Do we really need PD1/PD-L1 status and next generation sequencing to treat lung cancer?</td>
<td>Pro/con discussions</td>
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</table>
Aims: Today, immuno-oncology has almost completely revolutionised the treatment of various cancer types, especially lung cancer. Moreover, encouraging preliminary data are available for mesothelioma. These entities respond to PD-1 and PD-L1 inhibition. In addition, more and more targeted agents for lung cancer therapy are becoming available: these agents go beyond the tyrosine kinase blockade of mutated EGFR and rearranged ALK. Another marked advance is Next Generation Sequencing (NGS), which facilitates the detection of many dozens of mutations at the same time. However, the provocative question from the clinical standpoint remains: is detailed molecular testing essential for treating patients with these drugs?

Track(s): Oncology

Tag(s): Clinical

Target audience: Clinician, Fellow, Immunologist, Junior member, Oncologist, Pathologist, Pharmaceutical industry representative, Public health official, Pulmonologist, Researcher, Resident, Respiratory physician, Scientist, Student, Thoracic surgeon

Chairs: Joanna Chorostowska-Wynimko (Warszawa, Poland), Thomas Wehler (Homburg/Saar, Germany)

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**Room K**

**Session 623**

ERS General Assembly and Council: ERS General Assembly Meeting

Chairs: Jørgen Vestbo (Manchester, United Kingdom)

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**Room ICC Capital Suite 7**

**Session 624**

Educational forum: Recertification of respiratory professionals: current practice and the future

Aims: To discuss the upcoming trends and challenges in recertification for respiratory professionals; to learn from best practices in different countries.

Target audience: Pulmonologist, Educationalist, Clinician, Epidemiologist, General practitioner, Fellow, Junior member, Nurse, Oncologist, Paediatrician, Pathologist, Respiratory physician, Resident, Physiotherapist, Thoracic endoscopist, Thoracic surgeon, Sleep specialist/technologist, Respiratory therapist

Chairs: Ildikó Horváth (Budapest, Hungary)

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**Room ICC Capital Suite 8**

**Session 625**

Patient forum: Communicating the impact and risk of air pollution to respiratory patients

A joint ELF/ERS session

Aims: To look at the ways in which healthcare professionals can best relay information to respiratory patients about the many issues surrounding air quality and lung health; to investigate the best way to communicate the dangers and the risks to make sure that patients are well informed and ready to take the most appropriate action.

Tag(s): Healthy Lungs for Life (HLfL)

Chairs: Jonathan Grigg (London, United Kingdom), Dan Smyth (Dundalk, Ireland)
Session: Respiratory infectious disease control in Europe
ERS/ECDC joint session

Aims: This symposium will highlight and discuss new developments in the prevention and control of respiratory infectious diseases, including tuberculosis, influenza, and other chronic respiratory diseases, in Europe. There will be a special focus on migration and refugees from the Near- and Middle-East and Africa. The specific objectives are to inform the audience about the epidemiology of respiratory infectious diseases and to present and discuss new guidance regarding the prevention and control of respiratory infectious diseases.

Track(s): Epidemiology / Environment, Infection

Target audience: Allied health professional, Clinician, Epidemiologist, Fellow, General practitioner, Junior member, Microbiologist, Nurse, Paediatrician, Patient, Public health official, Pulmonologist, Researcher, Respiratory physician, Scientist, TB specialist, Trainee

Chairs: Nicolas Schönfeld (Berlin, Germany), Giovanni Sotgiu (Porto Torres, Italy)

14:45 Tuberculosis in refugees from the Near- and Middle-East
Aleksandar Galev (Genève, Switzerland) 4502

15:15 Interventions and service models for the people most at risk of tuberculosis, including refugees
Marieke van der Werf (Stockholm, Sweden) 4503

15:45 Pneumonia among refugees and combined vaccination strategy
Speaker to be confirmed 4504

16:15 Impact of the paediatric influenza vaccination programmes
Pia Hardelid (London, United Kingdom) 4505

Symposium: The future of tyrosin kinase inhibitors

Aims: To describe the present and forthcoming tyrosine kinase inhibitors (TKIs) and their indications as well as to portray future developments up-to-the-minute.

Track(s): Oncology

Tag(s): Clinical

Target audience: Clinician, Oncologist, Pathologist, Pulmonologist

Chairs: Rudolf M. Huber (München, Germany), Thierry Berghmans (Brussels, Belgium)

14:45 Understanding the mechanisms of TKIs: the cycle of inhibition and resistance
Rafael Rosell (Barcelona, Spain) 4506

15:15 The future generations of TKIs
Jacques Cadranel (Paris, France) 4507

15:45 Non-invasive detection of molecular abnormalities in blood
Speaker to be confirmed 4508

16:15 Re-purposing TKI treatment
Martin Kolb (Hamilton, Canada) 4509

Symposium: Future challenges in pulmonary arterial hypertension: An ERS/ESC, and Patient Organisation PAH Europe joint symposium preceded by Ceremony for the ERS Research Award in Pulmonary Hypertension

Aims: This symposium will explore the remaining gaps of knowledge in the field of PAH. The current understanding of PAH, as reflected by the guidelines, will be described. Areas of uncertainty, research priority, and opportunities will be presented from the perspective of a clinician, a patient, and a scientist. Finally, a global perspective will be presented.

Track(s): Physiology

Tag(s): Clinical

Target audience: Cardiologist, Clinician, Fellow, General practitioner, Nurse, Patient, Pharmaceutical industry representative, Physiotherapist, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Scientist, Student, Trainee
### Room L Session 643 14:45 - 16:45

**Symposium: Living and dying with lung disease**

#### Communication and palliative care in end-stage lung disease

**Aims:** Meeting the physical, psychological, social, and spiritual needs of people living with very severe life-limiting respiratory disease is a challenge. Effective communication is essential, regardless of whether we are supporting a severely disabled patient with COPD struggling to maintain their independence at home, discussing the possible wishes of a patient for ventilation, or seeking to relieve intractable breathlessness. The speakers will address all these challenges after we have heard the narratives of people living and dying with lung disease.

**Tag(s):** Clinical

**Target audience:** Allied health professional, Clinician, General practitioner, Intensivist/critical care physician, Nurse, Patient, Physiotherapist, Pulmonologist, Respiratory physician

**Chairs:** Georgia Narsavage (Columbia, United States of America), Hilary Pinnock (Edinburgh, United Kingdom)

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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>14:45</td>
<td>The Dance of Death: comparing the perceptions of end-of-life in different conditions and the implications for healthcare services</td>
<td>Scott Murray (Edinburgh, United Kingdom)</td>
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<tr>
<td>15:11</td>
<td>Talking about dying: communication with people living with and dying from severe lung disease</td>
<td>Carmen Houben (Horn, Netherlands)</td>
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<tr>
<td>15:37</td>
<td>Holistic management of breathlessness</td>
<td>Bettina Korn (Dublin 8, Ireland)</td>
</tr>
<tr>
<td>16:03</td>
<td>Difficult decisions, challenging communication: the role of respiratory intensive care in people living and dying with very severe lung disease</td>
<td>Stefano Nava (Bologna, BO, Italy)</td>
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<tr>
<td>16:30</td>
<td>Patient’s testimonial</td>
<td>Derek Brooks (London, United Kingdom)</td>
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### Room A Session 644 14:45 - 16:45

**Hot topics: Genetics, epigenetics and the exposome**

#### How to integrate different layers of biological information

**Aims:** It has become clear that genetics do not explain all of the inheritance associated with asthma and COPD, and that environmental exposures such as cigarette smoking and air pollution can affect susceptibility to and severity of airways disease. The effects of environmental exposures occur at various stages of development, including the perinatal period, childhood, and adulthood. One factor that links these seemingly disparate observations is epigenetics. Epigenetic mechanisms contribute to gene regulation and may mediate associations between SNPs and disease; this has been observed in different types of studies that focus on genetic susceptibility for specific exposures. The measurement of environmental exposures in genetic and epigenetic studies has shifted from standardised methodology to exposomics. Exposomics aims to measure the totality of exposures that are received by a person during his or her lifetime. Thus, it offers an unbiased approach for investigating the environmental causes of chronic diseases like asthma and COPD. The concept and applicability of (studies on) interactions between genetics, epigenetics, and exposomics will be the subject of this hot topic. Examples of integrating multiple layers of biological data in relation to respiratory disease will be shown.

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<tr>
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<tr>
<td>14:45</td>
<td>Ceremonies for the ERS Research Award in Pulmonary Hypertension</td>
<td>David Montani (Le Kremlin-Bicêtre, France), Anton Vonk Noordegraaf (Amsterdam, Netherlands)</td>
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<tr>
<td>14:55</td>
<td>The clinical perspective</td>
<td>Anton Vonk Noordegraaf (Amsterdam, Netherlands)</td>
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<tr>
<td>15:20</td>
<td>The patient’s perspective</td>
<td>Pisana Ferrari (Milan, Italy)</td>
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<tr>
<td>15:45</td>
<td>The scientific perspective</td>
<td>Werner Seeger (GIESSEN, Germany)</td>
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<tr>
<td>16:10</td>
<td>The global perspective</td>
<td>Rogério De Souza (Sao Paulo, Brazil)</td>
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<tr>
<td>16:35</td>
<td>Patient’s testimonial</td>
<td>Derek Brooks (London, United Kingdom)</td>
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</table>
**Track(s):** Epidemiology / Environment, Pediatric  
**Tag(s):** Translational  
**Target audience:** Allergologist, Clinician, Epidemiologist, Fellow, General practitioner, Immunologist, Junior member, Neonatologist, Oncologist, Paediatrician, Pathologist, Patient, Physiologist, Researcher, Resident, Respiratory physician, Scientist, Student, Trainee  
**Chairs:** Torben Sigsgaard (Århus, Denmark), Ian M. Adcock (London, United Kingdom)

- **14:45**  
  **Exposomics: introduction of the concept and the role of exposures from conception to adolescence and later in adults**  
  Michelle Plusquin (Hasselt, Belgium)  
  [4521]

- **15:15**  
  **Implications of the exposome and its applicability in clinical and epidemiological studies**  
  Stephen Rappaport (Berkeley, United States of America)  
  [4522]

- **15:45**  
  **Altered DNA methylation levels in the context of exposures and respiratory disease**  
  Erik Melén (Stockholm, Sweden)  
  [4523]

- **16:15**  
  **Integrating genetic and epigenetic information in relation to COPD**  
  H. Marike Boezen (Groningen, Netherlands)  
  [4524]

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**Symposium: Transition to adult care: what we can learn from cystic fibrosis?**

**Aims:** To highlight the important area of transition of adolescents/young persons with a chronic lung disorder from paediatric to adult healthcare services. This age group is notoriously difficult to manage and cystic fibrosis healthcare professionals have a lot of experience that can be applied to other chronic lung conditions. The symposium will discuss adolescent healthcare and what research has been done and what still needs to be done to improve it. We will then concentrate on how to help the families - especially parents - to deal with the massive shift into adult care, focusing on psychological needs. We will then discuss rare conditions, and how best to deal with a situation where often adult physicians have not seen cases before, or where the patient does not fit well into a specialist category. Finally we will hear results from the joint ECFS/ERS taskforce on adult cystic fibrosis care in Europe.

**Track(s):** Infection, Pediatric  
**Tag(s):** Clinical  
**Target audience:** Clinician, Fellow, General practitioner, Junior member, Paediatrician, Patient, Pharmaceutical industry representative, Pulmonologist, Researcher, Resident, Respiratory physician, Scientist, Student, Trainee, Allied health professional, Nurse  
**Chairs:** Ian Balfour-Lynn (London, United Kingdom), Susan Madge (London, United Kingdom)

- **14:45**  
  **Problems of adolescent healthcare: can research help us?**  
  Donald Payne (Nedlands, Australia)  
  [4525]

- **15:15**  
  **Psychological preparation of the family**  
  Lutz Goldbeck (Ulm, Germany)  
  [4526]

- **15:45**  
  **Transition of rare pulmonary diseases**  
  Colin Wallis (London, United Kingdom)  
  [4527]

- **16:15**  
  **Care of adults with cystic fibrosis**  
  Francesco Blasi (Milano, MI, Italy)  
  [4528]

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**Hot topics: Molecular phenotyping of severe asthma  
the role of consortia in driving personalised medicine**

**Aims:** To describe how severe asthma consortia have improved our knowledge of how molecular phenotypes may be linked to clinical features; to define how severe asthma phenotypes vary across the globe; and to outline how integration of the data across consortia will lead to better drugs for selected patients.

**Tag(s):** Translational  
**Target audience:** Allergologist, Clinician, Epidemiologist, General practitioner, Immunologist, Junior member, Nurse, Paediatrician, Pathologist, Patient, Pharmaceutical industry representative, Pulmonologist, Researcher, Resident, Respiratory physician, Scientist, Student, Trainee  
**Chairs:** Kian Fan Chung (London, United Kingdom), Mona Bafadhel (Oxford, United Kingdom), Salman Siddiqui (Leicester, United Kingdom)

- **14:45**  
  **SARP: redefining our knowledge of severe asthma**  
  Sally Wenzel (Pittsburgh, United States of America)  
  [4529]
Novel aspects of severe asthma from BIOAIR
Sven-Erik Dahlén (Stockholm, Sweden)

15:15

Severe asthma in Asia: insight into phenotypes
Tae-Bum Kim (Seoul, Republic of Korea)

15:45

Data integration: the way to personalised treatment in severe asthma
Peter J. Sterk (Amsterdam, Netherlands)

16:15

Platinum Room 3+4  Session 647  14:45 - 16:45

Hot topics: Noninvasive ventilation versus high-flow nasal therapy for hypoxemic patients

Aims: To describe the physiological effects of applying NIV or HFNT, its advantages and limitations, and the criteria regarding how and when apply HFNT.

Tag(s): Clinical

Target audience: Clinician, Nurse, Physiotherapist, Resident, Thoracic surgeon

Chairs: Cesare Gregoretti (TORINO, TO, Italy), Stylianos Orfanos (Athens, Greece)

14:45  The physiological effects of NIV and HFNT: HFNT is not continuous airway pressure
Nicholas S. Hill (Providence, United States of America)

15:15  HFNT in acute de novo hypoxiemic patients
Jean-Pierre Frat (Poitiers, France)

15:45  High-flow nasal oxygen versus noninvasive positive airway pressure after surgery
François Stephan (Plessis-Le-Robinson, France)

16:15  HFNT or NIV in hypoxiemic patients after extubation in intensive care unit
Salvatore Maggiore (Chieti, Italy)

Room C  Session 648  14:45 - 16:45

Oral Presentation: Therapeutic horizons: novel targets and pharmacological models

Chairs: Ross Vlahos (Bundoora, VIC, Australia), Hoeke Baarsma (Munich, Germany)

LATE-BREAKING ABSTRACT: MUC1 downregulation induces corticosteroid resistance in asthma's in vitro and in vivo models
Anselm Morell (Valencia, Spain), Anselm Morell, Estefania Bel, Javier Milara, Esteban Morcillo, Julio Cortijo

OA4537

Intratracheal administration of bone marrow-derived mesenchymal stem cells ameliorates lung function
Giuseppe Spaziano (Naples, Italy), Giuseppe Spaziano, Konrad Urbanek, Antonella De Angelis, Elena Piegari, Maria Matteu, Manuela Sgambato, Gioia Tartaglione, Teresa Palmira Russo, Donato Cappetta, Grazia Esposito, Rosa Russo, Bruno D’Agostino

OA4538

Pharmacological characterization of CH125243, a novel potent inhaled inhibitor of neutrophil elastase
Daniela Miglietta (Parma, Italy), Daniela Miglietta, Chiara Carnini, Veronica Puviani, Harry Finch, Craig Fox, Mary Fitzgerald, Riccardo Patacchini, Maurizio Civelli, Gino Villetti

OA4539

Strong reversal of the lung fibrosis disease signature by autotaxin inhibitor GLPG1690 in a mouse model for IPF
Maté Ongenaert (Mechelen, Belgium), Maté Ongenaert, Sonia Dupont, Roland Blanqué, Reginald Brys, Ellen van der Aar, Bertrand Heckmann

OA4540

The anti-inflammatory effects of eucalyptol in a mouse model of LPS-induced pulmonary inflammation are mediated by TRPM8
Ana Isabel Caceres (Durham, United States of America), Anabel de Caceres Bustos, Boyi Liu, Sairam Jabba, John Morris, Sven-Eric Jordt

OA4541

Human small airway-on-a-chip: A novel microphysiological system to model lung inflammation, accelerate drug development and enable inhalational toxico-analysis
Kambez Hajipouran Benam (Cambridge, United States of America), Kambez Hajipouran Benam, Richard Novak, Remi Villenave, Carolina Lucchesi, Cedric Hubeau, Janna Nawroth, Mariko Hirano-Kobayashi, Thomas C. Ferrante, Youngjae Choe, Rachelle Prantil-Baun, James C. Weaver, Geraldine A. Hamilton, Anthony Bähniski, Donald E. Ingber

OA4542

Evaluation of nanoparticles in human lung fibroblasts and PCLS
Anna-Karin Larsson-Callerfelt (Lund, Sweden), Gunilla Westergren-Thorsson, Lena Thiman, Vendela Rissler, Hanna Karlsson, Anna-Karin Larsson-Callerfelt

OA4543
**Room G**

**Session 649**

14:45 - 16:45

Oral Presentation: Mechanisms of symptoms and exercise limitation in health and disease

**Chairs:** Pierantonio Laveneziana (Paris, France), J. Alberto Neder (Kingston, Canada)

**OA4544**

*Ex vivo elastase and hydrogen peroxide stimulation in lung slices: novel models to study lung repair*

Loes Kistemaker (Groningen, Netherlands), Loes E.M. Kistemaker, Eline M. van Dijk, Sule Culha, John-Poul Ng-Blichfeldt, Mark H. Menzen, Reinoud Gosens

**OA4545**

*LATE-BREAKING ABSTRACT: Changes in airway inflammation and remodeling in swimmers after retirement from sports competitions*

Valerie Bougault (Ronce, France), Valerie Bougault, Patricia Odashiro, Julie Turmel, Michele Orain, Michel Laviolette, Philippe Joubert, Louis-Philippe Boulet

**OA4546**

*Influence of systolic heart failure on exercise PETCO2 in COPD*

Flavio Ferlin Arbex (Sao Paulo/SP, Brazil), Flavio Ferlin Arbex, Maria Clara Alencar, Aline Souza, Adriana Mazzuco, Priscila Sperandio, Alcides Rocha, Danilo C. Berton, Audrey Borghi-Silva, Denis E. O’Donnell, J. Alberto Neder

**OA4547**

*Cardiac adaptations to non-linear aerobic training in patients with COPD*

Jinelle Gelinas (Kelowna, Canada), Jinelle Gelinas, Neil Eves

**OA4548**

*Exercise capacity and pulmonary vascular pressure-flow relationships in different body positions*

Yoshiki Motoji (BRUXELLES, Belgium), Yoshiki Motoji, Kevin Forton, Gael Deboeck, Vitalie Faoro, Robert Naeije

**OA4549**

*Prognostic role of excessive exercise ventilation in non-operable patients with chronic thromboembolic pulmonary hypertension*

Roberta Pulcheri Ramos (Sao Paulo / SP, Brazil), Roberta Pulcheri Ramos, Eloara V.M. Ferreira, Angelo X.C. Fonseca, Carolina M.S. Messina, Rudolf K.F. Oliveira, Camila M.O. Costa, Danielle C. Bedin, J. Alberto Neder, Luiz Eduardo Nery, Jaqueline Sonoe Ota-Arakaki

**OA4550**

*Contrasting cardiovascular responses to exercise in mitochondrial myopathy and pulmonary arterial hypertension*


**OA4551**

*Air trapping is associated with exercise capacity in persons without overt obstructive lung disease*

Mehrdad Arjomandi (San Francisco, United States of America), Mehrdad Arjomandi, Rachel Stiner, Siyang Zeng, Jeroen Geerts, Warren Gold

**OA4552**

*Resting physiological markers of exercise intolerance in smokers with mild airway obstruction*

Amany Elbehairy (Kingston, ON, Canada), Amany Elbehairy, Jordan Guenette, Dennis Jensen, Katherine A. Webb, J. Alberto Neder, Denis E. O’Donnell

**Room D**

**Session 650**

14:45 - 16:45

Oral Presentation: Insights into the pathophysiology of childhood lung disease

**Chairs:** Graham Hall (West Perth, Australia), Athanasios G. Kaditis (Athens, Greece)

**OA4553**

*Longitudinal evaluation of diaphragmatic function in children with congenital diaphragmatic hernia*

Sonia Khirani (Paris, France), Sonia Khirani, Alessandro Amaddeo, Jorge Olmo-Arroyo, Alexandre Lapillonne, Odile Becquet, Nazia Khen-Dunlop, Christophe Delacourt

**OA4554**

*Multiple breath washout can facilitate the diagnosis of lung graft-versus-host disease in children after allogeneic hematopoietic stem cell transplantation*

Christina Kavouridou (Brännhalt, Sweden), Christina Kavouridou, Karin Mellgren, Anders Lindblad, Per Gustafsson, Karsten Koetz

**OA4555**

*Contextualized assay of urinary biomarkers for the diagnosis of OSA in children*

Biju Thomas (Singapore, Singapore), Biju Thomas, John E. Connolly, Zai Ru Cheng, Veonice Bijin Au, John C. Allen Jr, Soh Gin Tan, Meilan Lim, Qiao Ling Tan, Qixian He, Yi Ping Tan, Candice Teo, Christina Seng, Arun Pugalenth, Anne Goh, Petrina Wong, Oon Hoe Teoh

**OA4556**

*Automated analysis of overnight oximetry recordings by means of support vector machines to assist in the diagnosis of paediatric sleep apnoea*

Andrea Crespo Sedano (Valldolid, Spain), Andrea Crespo Sedano, Daniel Álvez Gonzále, Leila Kheirandish-Gozal, Gonzalo César Gutiérrez-Tobal, Roberto Hornero Sánchez, David Gozal, Félix Del Campo Mattias

**OA4557**

*Methacholine hyperresponsiveness was related to nitric oxide regulation in growth restricted preterm born children*

Thomas Halvorsen (Bergen, Norway), Anne Lise Bjørke Monsen, Maria Vollsæter, Per Magne Ueland, Knut Øymar, Trond Markestad, Thomas Halvorsen
| OA4558 | **Association between nocturnal enuresis and snoring in the community-dwelling 21,380 children**  
Hiroo Wada (Tokyo, Japan), Hiroo Wada, Manami Kimura, Ryutaro Shirahama, Toshinari Hayashi, Yuka Suzuki, Koutatsu Maruyama, Ai Ikeda, Takeshi Tanigawa |
| OA4559 | **Nonuniform growth in pediatric lung function between 4 and 14 years of age**  
Ellie Oostveen (Edegem, Belgium), Ellie Oostveen, H. Bentouhami, M. Hagendorens, W. De Backer, J. Weyler |
| OA6030 | **Keynote: “Long-term lung health in children born preterm: Fixed or fixable?”**  
Shannon Simpson (Western Australia, Australia) |

**Room M**  
**Session 651 14:45 - 16:45**  
**Oral Presentation: Central sleep apnoea and the central regulation of obstructive and central sleep apnoea**  
**Chairs:** Winfried J. Randerath (Solingen, Germany), Rami Khayat (Colombus, United States of America)  

| OA4560 | **Dose norepinephrine participate in the central regulation of genioglossus in chronic-intermittent-hypoxia rat?**  
wei wang (shenyang, China), Wei Wang, Ling Zhou, Aidi Wang |
| OA4561 | **Ventilatory response amongst patients with obstructive sleep apnoea**  
Christopher Earing (Denbigh, United Kingdom), Christopher Earing, Damian Mckeon, Jonathan Moore, Hans-Peter Kubis |
| OA4562 | **Effect of increasing cerebral blood flow on sleep architecture at high altitude**  
Samuel Lucas (Birmingham, United Kingdom), Samuel Lucas, Katie Burgess, Kate Sprecher, Joseph Donnelly, Aparna Basnet, Philip Ainslie, Keith Burgess |
| OA4563 | **Varying patterns of hyperpnea during Cheyne-Stokes respiration in heart failure: Implication for cardiac function**  
Elisa Perger (Brescia, Italy), Elisa Perger, Toru Inami, Owen Lyons, Stephanie Smith, T. Douglas Bradley |
| OA4564 | **Cycle length identifies complex sleep apnea in patients with chronic heart failure - A matched control study**  
Thomas Bitter (Bad Oeynhausen, Germany), Thomas Bitter, Burak Özdemir, Henrik Fox, Florian Schindhelm, Zisis Dimitriadiis, Dieter Horstikotte, Olaf Oldenburg |
| OA4565 | **Neural respiratory drive in patients with COPD alone and those with overlap syndrome**  
Baiting He (Guangzhou, China), Baiting He, Gan Lu, Sichang Xiao, Rui Chen, Joerg Steier, John. Moxham, Michael I. Polkey, YuanMing Luo |
| OA4566 | **Impaired hypoxic ventilatory response in Chinese Han and Uygur patients with obstructive sleep apnea-hypopnea syndromes**  
he zhongming (karamay, China), He Zhongming, Wang Peipei, Jiang Xuelong, Han Fang, Li Jiangping, Ye Zhou |

**Room P**  
**Session 652 14:45 - 16:45**  
**Oral Presentation: IPF clinical**  
**Chairs:** Vincent Cottin (Lyon, France), Juergen Behr (Munich, Germany)  

| OA4567 | **LATE-BREAKING ABSTRACT: Role of trans-bronchial lung cryobiopsies in interstitial lung diseases: Preliminary results of a Belgian prospective study**  
Benjamin Bondue (Brussels, Belgium), Benjamin Bondue, Thierry Pieters, Patrick Alexander, Paul De Vuyst, Delphine Hoton, Myriam Remmelink, Dimitri Leduc |
| OA4568 | **Analyses of the relationship between FVC, extent of fibrosis and extent of emphysema in patients with idiopathic pulmonary fibrosis (IPF)**  
Vincent Cottin (Lyon, France), Vincent Cottin, David M. Hansell, Nicola Sverzellati, Derek Weycker, Katerina M. Antoniou, Mark Atwood, Gerry Oster, Klaus-Uwe Kirchgaessler, Athol U. Wells |
| OA4569 | **Development of a national patient charter for idiopathic pulmonary fibrosis**  
Nicola Cassidy (Dublin, Ireland), Nicola Cassidy, Liam Galvin, Denise Dunne, Jim Egan |
| OA4570 | **Symptoms and quality of life in relation to lung function and comorbidities in patients with idiopathic pulmonary fibrosis: INSIGHTS-IPF registry**  
David Pittrow (Dresden, Germany), Michael Kreuter, Hubert Wirtz, Antje Prasse, David Pittrow, Dirk Koschel, Jens Klotzsche, Stefan Andreas, Martin Claussen, Christian Grohé, Matthias Held, Sven Gläser, Heinrike Wilkens, F. Joachim Meyer, Martin Schwaiblmair, Dirk Skowasch, Joachim Kirschner, Andrea Koch, Claus Neurohr, Rudolf M. Huber, Winfried J. Randerath, Ralf Ewert, Juergen Behr |
| OA4571 | **Negative outcome of prednisone in possible idiopathic pulmonary fibrosis**  
Ivo A. Wiertz (Utrecht, Netherlands), Ivo Wiertz, Wim Wuyts, Coline van Moorsel, Renske Vorselaars, Miranda Ten Hoedt-Zijp, Wouter van Es, Matthijs van Oosterhout, Ian Grutters |
**Room K**

**Session 653**

**14:45 - 16:00**

**Session: Becoming a successful young researcher in an era of opportunities**

Session organised by the ERS Early Career Member Committee (ECMC)

**Aims:** To present the relevant work of the ERS Early Career Member Committee and explain how the Early Career Member Committee can support junior investigators and clinicians in developing their research profile, projects, and collaborations; help the audience understand how to prioritise relevant research questions; and discuss how to focus your early research career and show what the Early Career Member Committee of ERS, EAACI, and CTS can mean for the early career researcher and clinician. This session is followed by the ERS Career Development Session.

**Chairs:** Agnes Boots (Maastricht, Netherlands), Jørgen Vestbo (Manchester, United Kingdom)

**14:45 ERS Early Career Member Committee: how can we support early career researchers?**

Agnes Boots (Maastricht, Netherlands)

**15:00 How to prioritise relevant research questions?**

Olympia Tsilochristou (Athens, Greece)

**15:15 Difficult choices: how to focus your early research career?**

Songmin Ying (Hangzhou, China)

**15:30 Bridging the gap between being a junior researcher and becoming an ERS Fellowship recipient**

Alexander Mathioudakis (Manchester, United Kingdom)

**15:45 Panel discussion led by Prof. J. Vestbo and introduction to the ERS Career Development Fellowship session.**

**Room ICC Capital Suite**

**Session 654**

**14:45 - 16:45**

**Poster Discussion: Asthma and allergy in infancy: from risk factors to mortality**

**Chairs:** Eva Ronmark (Lulea, Sweden), Cecilie Svanes (Bergen, Norway)

**PA4580**

**Late-asthma onset and associated factors**

Sara Maio (Pisa, Italy), Sara Maio, Sandra Baldacci, Sonia Cerrai, Giuseppe Sarno, Megon Bresciani, Manuela Latorre, Nicola Murgia, Fabrizio Spinozzi, Mariachiara Braschi, Leonardo Antonicelli, Salvatore Battaglia, Lucia Cazzoletti, Barbara Brunetto, Patrizia Iacovacci, Carlo Pini, Mario Pata, Lidia La Grasta, Pierluigi Paggiaro, Giovanni Vegi

**PA4581**

**Persistent allergic sensitization is associated with asthma and rhinitis among adults**

Katja Warm (Bad Lippspringe, Germany), Katja Warm, Helena Backman, Lindberg Anne, Hedman Linnea, Lundbäck Bo, Rönmark Eva

**PA4582**

**Respiratory and allergic phenotypes at two months of birth: The ELF E cohort**

Chantal Raherison-Semjen (Pessac, France), Chantal Raherison-Semjen, Chloe De Sanzberro, Jacques de Blic, Christophe Marguet, Emeline Scherer, Gabriel Reboux, Marie-Christine Delmas, Bénédicte Leynaert, Steffie Rocchi, Laurence Millon, Marie-Noëlle Dufourg, Corinne Bois, Marie-Aline Charles

**PA4583**

**Validation of self-reported asthma in a generation study**

Ingrid Nordeide Kuiper (Bergen, Norway), Ingrid Nordeide Kuiper, Cecilie Svanes, Bryndis Benediktsdottir, Randi Jacobsen Bertelsen, Lennart Bråbäck, Shyamali C. Dharmage, Mathias Holm, Christer Janson, Rain Jögi, Jesús Martínez Moratalla, Francisco Gómez Real, José Luis Sánchez, Vivi Schlünsen, Signe Timm, Ane Johannessen
Success rates are correlated mainly to completion of a smoking cessation program
Paraskevi Katsaounou (Athens, Greece), Martha Andritsou, Sotiria Schoretsaniti, Eleni Litsiou, Vasiliki Saltagianni, Kondylia Konstadura, Andromachi Spiliotopoulou, Sryridon Zakynthinos, Paraskevi Katsaounou

Cost effectiveness of inpatient initiated varenicline tartrate (VT) plus counselling compared to counselling alone: 2 year follow-up of the Smoking Termination Oportunity for inPatients (STOP) study
Brian Smith (Adelaide, SA, Australia), Brian Smith, Kristin Carson, Kim Dalziel, Malcolm Brinn, Foruhar Moayeri, Philip Clarke, Matthew Peters, Adrian Esterman

Comparison of efficacy of varenicline and nortriptyline- Short-term smoking cessation in outpatient setting
Porames Khunrong (Bangkok, Thailand), Porames Khunrong, Chanchai Sittipunt

How much does smoking cessation (SC) medications impacts on the income of the attendees of a smoking cessation clinic? A cross-sectional study
Sofia Ravara (Covilhã, Portugal), Sofia Belo Ravara, Lucia Gil

Attitudes to smoking and quitting in UK HIV positive adults: Would more education help?
James Brown (London, United Kingdom), James Brown, Jennifer McGowan, Hende Choual, Santino Capocci, Colette Smith, Daniel Ivens, Fiona Lampe, Margaret Johnson, Alison Rodger, Marc Lipman

Smoking status at 18-19yo according age of first experimentation in Parisan schoolchildren
Bertrand Dautzenberg (Paris, France), Bertrand Dautzenberg, Pierre Dirkui, Nicole Rieu, Marie-Dominique Dautzenberg

Comparison of efficacy of varenicline and nortriptyline- Short-term smoking cessation in outpatient setting
Porames Khunrong (Bangkok, Thailand), Porames Khunrong, Chanchai Sittipunt

Testing for factors associated with desire to quit smoking at an HIV/STI Clinic
Kate Babineau (Dublin, Ireland), Keishia Taylor, Kate Babineau, Sheila Keogan, Luke Clancy

Characteristics of Iranian hookah users aged 15 years and older, primary report
Zahra Hessami (Tehran, Islamic Republic of Iran), Zahra Hessami, Mohammad Reza Masjedi, Hooman Sharifi, Hamidreza Jamaati, Habib Emami

Waterpipe tobacco smoking prevalence and its related factors among Iranian population
Zahra Hessami (Tehran, Islamic Republic of Iran), Zahra Hessami, Mohammad Reza Masjedi, Hooman Sharifi, Hamidreza Jamaati, Habib Emami

Waterpipe tobacco smoking may potentiate risk of fungal and bacterial infections
Alireza Javadi (Tehran, Islamic Republic of Iran), Alireza Javadi, Makan Sadr, Masoud Shamaei, Mahin Pourabdollah, Mahsima Arjmand, Ali Abdolahinia

Chronic exposure to water-pipe smoke induces alveolar enlargement, DNA damage and impairment of lung function in mice
Abderrahim Nemmar (Al-Ain, United Arab Emirates), Abderrahim Nemmar, Suhail Al-Salam, Priya Yuvaraju, Sumaya Beegam, Javed Yasin, Badreldin H. Ali

Use of oral and nasal tobacco and asthma symptoms in a Nordic population
Randi Bertelsen (Bergen, Norway), Randi Bertelsen, Ane Johannessen, Bryndis Benediktdottir, Lennart Bråbäck, Shyamali C. Dharmage, Mathias Holm, Christer Janson, Rain Jogi, Jesus Moratalla, José Luis Sánchez-Ramos, Vivi Schlünsen, Torben Sigsgaard, Trude D. Skorge, Cecile Svanes

Waterpipe tobacco smoking may potentiate risk of fungal and bacterial infections
Ali Reza Javadi (Tehran, Islamic Republic of Iran), Ali Reza Javadi, Makan Sadr, Masoud Shamaei, Mahin Pourabdollah, Mahsima Arjmand, Ali Abdolahinia

Relationship between blood eosinophil count (Eos), clinical characteristics and mortality of patients with COPD
Maeva Zysman (Vincennes, France), Maeva Zysman, Pierre Regis Burgel, Jean Louis Paillasseur, Pascal Chanez, Denis Caillaud, Roger Escamilla, Isabelle Court Fortune, Pascal Nesme Meyer, Graziella Brinchault Rabin, Gaetan Deslee, Thierry Perez, Christophe Pinet, Nicolas Roche
Association between adipokines, inflammatory markers and systemic manifestations in chronic obstructive pulmonary disease (COPD) patients

Carolina Mesquita (Botucatu, Brazil), Carolina Mesquita, Robson Prudente, Laura Caram, Caroline Knaut, Estefânia Franco, Duelene Ludimila Nogueira, Liana Coelho, Irma Godoy, Suzana Minamoto

Hypogonadism as a factor influencing health condition in COPD patients

Renata Rubinsztajn (Warszawa, Poland), Renata Rubinsztajn, Tadeusz Przybylowski, Marta Maskey-Warzechowska, Krzysztof Kartwat, Ryszarda Chazan

Endothelial dysfunction in patients with chronic obstructive pulmonary disease and concomitant arterial hypertension and its correction by telmisartan plus amlodipine fixed combination

Laura Bolieva (Vladikavkaz, Russian Federation), Laura Bolieva

Prevalence and clinical correlates of patient-reported autonomic symptoms among subjects with COPD

Jibril Mohammed (Ghent, Belgium), Eric Derom, Jessica Van Oosterwijck, Hellen Da Silva, Patrick Calders

Assessment of lung volumes and capacities in bronchodilator reversibility changes of hyperinflation of COPD

Wafaa Gadallah (ASSIUT, Egypt), Atif Farouk, Abd Elazeem Abouelfadl, Manal Alkhawaga

The functional state of the diaphragm in COPD patients with hypoxemia

Darya Sklyarova (Saint-Petersburg, Russian Federation), Vladimir Volchek, Olga Titova, Darya Sklyarova, Natalia Kusuba

Long-term survival according to Czech clinical phenotypes of COPD - Czech multicentre research database of severe COPD

Marek Plutinsky (Brno, Czech Republic), Marek Plutinsky, Barbora Novotna, Patrice Popelkova, Zatloukal Jaromir, Vladimir Kublizek, Karek Hejduk, Michal Svoboda

Eosinophilic versus non-eosinophilic COPD cannot be distinguished by lung function nor CT determined emphysema or airway remodelling

Leena George (Leicester, United Kingdom), Leena George, Chris Newby, Sumit Gupta, Deepak R. Subramanian, David G. Parr, Timm Greulich, Dave Singh, Loems Ziegler-Heitbrock, Chris Brightling

Blood eosinophils and outcomes in COPD

Jose M. Marin Trigo (Zaragoza, Spain), Jose M. Marin Trigo, Maria Martinez, Pablo Cubero, Marta Forner, Marina Saetta, Manuel G. Cosio

Concordance among GOLD, NICE and LLN criteria in the spirometry diagnosis of airflow obstruction

Laura Sierra Herranz (León, Spain), Javier Juan Garcia, Silvia García García, Luis Carazo Fernández, Jose Cesáreo Naveiro Rilo, Francisco Martínez García, Jose Luis Palomo García, Elena Bollo de Miguel, Florentino Diez Fernández, Laura Sierra Herranz

Comparison of CT scan-measured pulmonary artery to aorta ratio of combined pulmonary fibrosis and emphysema (CPFE) and COPD

Etsuko Tagaya (Tokyo, Japan), Sayo Fujimoto, Ayako Kubo, Akitoshi Sato, Osamitsu Yagi, Kiyoshi Takeyama, Mitsuko Kondo, Jun Tamaoki

The characteristic of chronic renal dysfunction in patients with chronic obstructive pulmonary disease

Anna Dudnikova (Krasnodar, Russian Federation), Anna Dudnikova, Elena Bolotova

Is chronic patient’s illness behavior similar in the case of different diseases?

Yanina Galetskayte (Moscow, Russian Federation), Svetlana Ovcharenko, Beatrice Volel, Dmitriy Pushkarev

LATE-BREAKING ABSTRACT: Single inhaler triple therapy (ICS/LAMA/LABA) in patients with advanced COPD: Results of the FULFIL trial

David Lomas (London, United Kingdom), David Lomas, David Lipson, Helen Barnacle, Ruby Birk, Noushin Brealey, Chang-Qing Zhu, Maggie Tabberer

Bone marrow-derived mesenchymal stem cells transplantation in a model of bronchiolitis obliterans

Jose Luis Campo-Cañaveral de la Cruz (Madrid, Spain), Jose Luis Campo-Cañaveral De La Cruz, David Gómez De Antonio, Mercedes Zurita Castillo, Martin Santos González, Carmen González Lois, Andrés Varela De Ugarte
PA4631  Overexpression of hypoxia-inducible factor (HIF)-1 α in ischemia/reperfusion injury developed in a lung transplantation model
Francesca Lunardi (Padova, Italy), Francesca Lunardi, Stefania Vuljan, Nazarena Nannini, Davide Zampieri, Davide Bernardini, Marta Vadori, Emanuele Cozzi, Federico Rea, Fiorella Calabrese

PA4632  Orthotopic lung transplantation in a single-mismatch-based mouse model shows signs of chronic lung allograft dysfunction (CLAD)
Thomas Conlon (Neuherberg, Germany), Natalia Smirnova, Thomas Conlon, Ali Önder Yildirim, Oliver Eickelberg

PA4633  Differences in the lipidomic profile of bronchial washing (BW) and bronchoalveolar lavage (BAL) in lung transplant patients
Domenica Federica Briganti (Borgareto, Italy), Domenica Federica Briganti, Beatrice Aramini, Carla Kim, Robin Chan, Bowen Zhou, Somwmya Sreekanth, Kashif Raza, Hilary Robbins, Lori Shah, Selim Arcasoy, Joshua Sonett, Federica Meloni, Gilbert Di Paolo, Frank D’Ovidio

PA4634  Optimizing a protocol for the NMR-based metabolic profiling of BAL f in bronchiolitis obliterans syndrome
Federica Meloni (Pavia, Italy), Cristina Airoldi, Carlotta Ciaramelli, Marco Fumagalli, Sara Magni, Simona Viglio, Davide Piloni, Annamaria Bardoni, Paolo Iadarola, Federica Meloni

PA4635  Evidence of indirect allorecognition of HLA /non-HLA antigens expressed by bronchial epithelial cells from lung transplant recipients
Vincent Bunel (PARIS, France), Vincent Bunel, Severine Letuwe, Marina Pretolani, Chantal Schenowitz, Edgardo Carosella, Nathalie Rouass-Freiss, Olivier Brugiere

PA4636  Utility of C4d by immunohistochemistry for the diagnosis of antibody-mediated rejection in lung transplantation
Carine Ngo (Vileneuve La Garenne, France), Caroline Ngo, Claire Daniel, Sy Duong-Quy, Olivier Brugiére, Aurélie Cazes

PA4637  Long-term outcome of lung recipients: The role of CD4+CD25highCD127- treg
Davide Piloni (PAVIA, Italy), Davide Piloni, Monica Morosini, Sara Magni, Alice Balderacchi, Emanuela Cova, Simona Inghilleri, Luigia Scudeller, Tiberio Oggiannoni, Filippo Antonacci, Giulia Stella, Federica Meloni

PA4638  KL-6 in serum as a biomarker for differentiation of chronic allograft dysfunction in lung transplant. Preliminary results
Cristina Berastegui (Barcelona, Spain), Cristina Berastegui, Susana Gomez-Olles, Alberto Mendoza-Valderrey, Berta Sáez-Gimenez, Manuel López-Meseguer, Carlos Bravo-Masgoret, Mario Culebras, Victor Monforte, Antonio Roman

PA4639  Exhaled nitric oxide: A biomarker for chronic lung allograft dysfunction?
Mark Greer (Hannover, Germany), Mark Greer, Thomas Puehner, Tobias Welte, Jens Gottlieb

PA4640  Diffusion capacity as a predictor of prognosis after onset of CLAD
Hans Henrik Schultz (København, Denmark), Hans Henrik Schultz, Stijn Verleden, Robin Vos, Bart Vanaudenaerde, Geert Verleden, Michael Perch, Are Martin Holm, Martin Iversen

PA4641  Inflammation and primary graft dysfunction after lung transplantation: CT-PET findings
Davide Chiumento (Milan, Italy), Davide Chiumento, Miriam Gotti, Chiara Chiurazi, Mariateresa Guanziroli, Matteo Brioni, Bijan Safaei Fakhr, Andrea Colombo, Dario Massari, Antonio Cammaroto, Felicia Zito, Massimo Cressoni

PA4642  Uncontrolled non-heart-beating donors vs. brain dead donors in lung transplantation: Comparison of early and late results
DANIEL  VALDIVIA CONCHA (Zurich, Switzerland), Daniel Valdivia Concha, David Gomez De Antonio, Lucas Hoyos Mejía, Jose Luis Campo-Cañaveral, Andres Varela de Ugarte

PA4643  Does perfusion with the organ care system influence inflammatory response in lung transplantation?
Rosbalda Romano (Harefield, United Kingdom), Rosbalda Romano, Louit Thakuria, Shirin Sheibani, Fabio De Robertis, Aron-Frederik Popov, Mohamed Amrani, Toufah Bahrani, Paras Dalal, Simona Soressi, Martin Carby, Anna Reed, Andre Simon, Nandor Marcin, Harefield POPSTAR Group

PA4644  Oto score and medium-term outcomes in lung transplantation
Valeria Rossetti (Milan, Italy), Valeria Rossetti, Letizia Corinna Morlacchi, Alice D’Adda, Maria Pappalalettera, Davide Tosi, Alessandro Pallechi, Paolo Tarsia, Mario Nosotti, Francesco Biasi

PA4645  Impact of diabetes mellitus on survival and hospitalization after lung transplantation
Marianne Riu (STRASBOURG, France), Marianne Riu, Philippe Baltzinger, Michele Porzio, Tristan Degot, Sandrine Hirsch, Nicola Santelmo, Pierre-Emmanuel Falcoz, Gilbert Massard, Laurence Kessler, Romain Kessler

PA4646  Risk of post-transplantation diabetes mellitus (PTDM) with different calcineurin inhibitors
Benjamin-Alexander Bollmann (Hannover, Germany), Benjamin-Alexander Bollmann, Benjamin Seeliger, Jens Gottlieb, Mark Greer
The effect of everolimus on lung function and renal status in lung transplanted patients
Filippo Patrucco (TORINO, TO, Italy), Filippo Patrucco, Michela Bellocchia, Giulia Verri, Giancarlo De Leo, Daniela Libertucci, Francesco Coni, Marco Bardessono, Massimo Boffini, Caterina Bucca, Paolo Solidoro

Room ICC Capital Suite  Session 658  14:45 - 16:45
10
Poster Discussion: Mechanisms of disease
Chairs: Pieter S. Hiemstra (Leiden, Netherlands), Terry Tetley (London, United Kingdom)

PA4648 Legionella pneumophila-derived outer membrane vesicles promote bacterial replication in macrophages
Bernd Schmeck (Marburg, Germany), Anna Lena Jung, Cornelia Stoiber, Christina Herkt, Christine Schulz, Wilhelm Bertram, Bernd Schmeck

PA4649 MAPKAP kinase 2 (M K 2) expression is associated with severe asthma
Geoffrey Chupp (New Haven, United States of America), Geoffrey Chupp, Xiting Yan, Vera Nezgovorova, Nicole Grant, Williamson Bradford, Colleen Brophy, Lauren Cohn

PA4650 Investigating tensin1 expression and the presence of SNP identified in GWAS in COPD
Panayiota Stylianou (Leicester, United Kingdom), Panayiota Stylianou, Katherine Clark, Peter Bradding

PA4651 Differential effect of fluticasone on Poly(I:C) induced TSLP secretion by bronchial epithelial cells from asthmatic children
Delphine Gras (MARSEILLE, France), Ania Carsin, Jean-Christophe Dubus, Julie Mazenq, Célène Garulli, Jacques De Blic, Pascal De Lagausie, Pascal Chanez, Delphine Gras

PA4652 Therapeutic neutralization of the matrikine PGP suppresses the development of lung emphysema in cigarette smoke exposed mice
Mojtaba Abdol Roda (Nieuwegein, Netherlands), Mojtaba Abdol Roda, Xin Xu, Tarek Abdalla, Mariam Sadik, Preston Batcher, Tomasz Szul, Patricia Jackson, Liliana Viera, George Solomon, Michael Wells, Carmel McNicholas, Daniel Sullivan, Frank Redegeld, Gert Folkerts, Amit Gagger, Edwin Blalock

PA4653 DP2/CRTh2 is expressed by ASM cells in asthma and its inhibition suppresses ASM migration
Ruth Saunders (LEICESTER, United Kingdom), Ruth Saunders, Michael Biddle, Adam Wright, Latifa Chachi, Amanda Sutcliffe, Rachid Berair, Christopher Brightling

PA4654 Airway smooth muscle contractility is increased following coculture with fibrocytes
Ruth Saunders (LEICESTER, United Kingdom), Ruth Saunders, Davinder Kaur, Fay Hollins, Andrew Wardlaw, Peter Bradding, Christopher Brightling

PA4655 Steroid resistance in COPD is associated with impaired molecular chaperone HSP90 expression by pro-inflammatory lymphocytes
Greg Hodge (Adelaide, Australia), Greg Hodge, Jersmann Hubertus, Hai Tran, Eugene Roscioli, Mark Holmes, Paul Reynolds, Sandra Hodge

PA4656 Sputum levels of mir-145 and mir-338 in COPD, asthma and ACOS subjects
Donato Lacedonia (Molfetta, Italy), Donato Lacedonia, Grazia Pia Palladino, Maria Pia Foschino Barbaro, Cristina Colanardi, Piera Soccio, Incoronata Caccavo, Giovanna E. Carpagnano

PA4657 Altered scavenger receptor expression and response to oxidative stress is linked to defective bacterial phagocytosis in COPD macrophages
Kylie Belchamber (London, United Kingdom), Kylie Belchamber, Peter Barnes, Louise Donnelly

PA4658 Micro-RNA-125a/b target A20 and MAVS to promote inflammatory and impair antiviral responses in chronic obstructive pulmonary disease
Peter Wark (New Lambton, Australia), Peter Wark, Alan Hsu, Malcolm Starkey, Phil Hansbro

PA4659 Deriving type II alveolar cells from pluripotent stem cells to produce a novel model of alpha-1 antitrypsin deficiency pathogenesis
Killian Hurley (Dublin 3, Ireland), Killian Hurley, Anjali Jacob, Dylan Thomas, Finn Hawkins, Andrew Wilson, Darrell Kotton

PA4661 Increased expression of a proliferation-inducing ligand (APRIL) in lung leukocytes and alveolar epithelial cells in COPD patients with non small cell lung cancer: A possible link between COPD and lung cancer?
Francesca Polverino (Boston, United States of America), Francesca Polverino, Maria Laucho-Contreras, Joseyn Rojas Quintero, Miguel Divo, Victor Pinto-Plata, Lynette Sholl, Juan P. de Torres, Bartolome Celli, Caroline Owen
PA4662  T lymphocytes in cigarette-smoke induced-emphysema and bronchial remodelling
Giuseppe Lungarella (SIENA, Italy), Giuseppe Lungarella, Giovanna De Cunto, Benedetta Lunghi, Barbara Bartalesi, Eleonora Cavarra, Silvia Fineschi, Cristina Ulivieri, Monica Lucattelli

PA4663  Inhibition of asthma-related immunological responses in mast cells and Th2 cell lines by cultured epithelial cell lines
Timothy Powell (Oxford, United Kingdom), Timothy Powell, Will Sargent, Rahul Shrimanker, Linda Stoeger, Ian Pavord

PA4664  High-fat diet in mice leads to amplified ozone-induced airway hyperresponsiveness (AHR), mitochondrial dysfunction and insulin resistance
Fabiën Hogema (Castricum, Netherlands), Fabiën Hogema, Ranran Dai, Xiang Li, Christos Rossios, Fan Chung, Ian Adcock, Coen Wiegman

PA4665  T-cell pathways in lung tissue of patients with advanced COPD and IPF requiring lung transplantation
Irena Sarc (Ljubljana, Slovenia), Irena Sarc, Mira Silar, Andreas Mitterbauer, Matthias Zimmermann, Hendrik Ankersmit, Matjaz Flezar, Peter Korosec

Room ICC Capital Suite 9  Session 659  14:45 - 16:45
Poster Discussion: Transbronchial diagnostics: from ILD to peripheral lesions
Chairs: Juergen Hetzel (Dusslingen, Germany), Maren Schuhmann (Heidelberg, Germany)

PA4666  Visualization and quantification of the alveolar compartment of ILD by OCT imaging
Lizzy Wijmans (Amsterdam, Netherlands), Lizzy Wijmans, Daniel M. de Bruin, Peter I. Bonta, Rene E. Jonkers, Joris J.T.H. Roelofs, Inge H.A. van den Berk, Jouke T. Annema

PA4667  Safety and diagnostic yield of transbronchial cryobiopsy
Thitiwat Sripasart (Bangkok, Thailand), Thitiwat Sripasart, Alex Aragaki, Sadia Benzaquen

PA4668  Diagnosing Interstitial lung diseases via cryobiopsy in rigid bronchoscopy: Preliminary results
Marta Cuyas Cortadellas (ESSEN, Germany), Marta Cuyas Cortadellas, Filiz Oezkan, Eda B. Boerner, Thomas E. Wessendorf, Lutz Freitag, Thomas Hager, Francesco T. Bonella, Juergen Hetzel, Ulrich Costabel, Kaid Darwiche

PA4669  Transbronchial cryobiopsy in the diagnosis of the idiopathic interstitial pneumonias
MARIA ASUNCIÓN MACÍA PALAZON (PALMA DE MALLORCA, Spain), Maria Asuncion Macia Palazon, Borja G. Costo, Ernest Sala, Federico Fiorentino, Alberto Alonso, Belén Núñez, Javier Verdú, Jaime Rodríguez, Jaume Sauleda

PA4670  Video assisted medical thoracoscopy (VAMT) hot versus cold lung biopsy in diffuse lung diseases
Tamer Ali El-Hadidy (Mansoura, Egypt), Tamer Ali El-Hadidy, Abdelhadi mohamed Shebl

PA4671  Genetic mutations in transbronchial lung biopsy of peripheral lesions
WALTHER IVAN GIRON MATUTE (Madrid, Spain), Walther Ivan Giron Matute, Ricardo Garcia-Lujan, Nuria Arenas Valls, Roberto Larrosa-Barrero, Antolino Gómez-López, Eduardo De Miguel Poch

PA4672  Comparison of radial mini probe endobronchial ultrasound with and without virtual bronchoscopic navigation to sample peripheral pulmonary lesions; a retrospective analysis
Badar Ganaie (Walsall, United Kingdom), Badar Ganaie, Nicholas Denny, Janet Mills, Mohammed Munavvar

PA4673  Should CT-guided biopsy for suspected lung cancer be delayed pending PET/CT results?
Paul Griffiths (Liverpool, United Kingdom), Paul Griffiths, Joanne Heaton, Sarah Claxton

PA4674  Safety of a new "all in one" 3D device for fiducial tumor marking: A pilot animal study
Bruno Escarguel (Marseille, France), Bruno Escarguel, Javier Flandes, Jean Baptiste Paoli, Olivier Monnet, Julien Legodec, Clément Fournier, Jean Michel Vergnon

PA4675  Virtual bronchoscopic navigation without X-ray fluoroscopy to diagnose peripheral pulmonary lesions: A randomized trial
Fumihiro Asano (Gifu, Japan), Fumihiro Asano, Takashi Ishida, Naofumi Shinagawa, Noriaki Sukoh, Masaki Anzai, Kenya Kanazawa, Tsuzuki Akifumi, Satoshi Morita

PA4676  Comparison between thick and thin bronchoscopes for diagnosis of peripheral pulmonary lesions
Kohei Okafuji (Tokyo, Japan), Kohei Okafuji, Atsushi Kitamura, Hiroshi Nakaoka, Ryosuke Tsugitomi, Tomoyuki Tanigawa, Yutaka Tomishima, Torahiko Jinta, Naoki Nishimura, Tomohide Tamura, Naohiko Chonabayashi

PA4677  Transbronchial cryobiopsy guided by radial probe-endobronchial ultrasound (RP-EBUS) in the diagnosis of peripheral lung lesions. Initial experience
Eli Nancy Perez Rodas (BARCELONA, Spain), Eli Nancy Perez Rodas, Felipe Andreo, Jose Luis Mate, Mohamed Torky, Carmen Centeno, Enric Carcereny, Pere Serra, José Sanz, Carlos Martínez Barenys, Caroline Becker, Juan Ruiz Manzano

PA4678  Virtual bronchoscopic navigation: advantages and limitations for the diagnosis of peripheral pulmonary lesions
Jane Winantea (ESSEN, Germany), Jane Winantea, Stephan Eisenmann, Kaid Darwiche
Room K  Session 664  16:00 - 17:15

Session: ERS Fellowship Career Development session

Aims: To discuss and present ERS fellowships activities. This session is followed by the ERS Young Scientists Networking Evening.

Chairs: Maria Gabriela Belvisi (London, United Kingdom), Stephen T. Holgate (Southampton, United Kingdom), Guy Brusselle (Ghent, Belgium), Rory Morty (Bad Nauheim, Germany)

16:00  Welcome & Introduction
Maria Gabriela Belvisi (London, United Kingdom), Rory Morty (Bad Nauheim, Germany), Guy Brusselle (Ghent, Belgium)

16:10  Synergies and support of the Early Career Member Committee (ECMC, ex-JMC)
Agnes Boots (Maastricht, Netherlands)

16:20  EU fellowships programmes
Christina Paducea (BRUXELLES, Belgium)

16:30  Short-term research training fellowships (STRTF)
Kalliopi Tanou (Athens, Greece)

16:40  Long-term research fellowships
Bart Hilvering (Utrecht, Netherlands)

16:50  Respire2 fellowship
Ioannis Psallidas (Oxford, United Kingdom)

17:00  Wrap up and closure
Rory Morty (Bad Nauheim, Germany), Guy Brusselle (Ghent, Belgium), Maria Gabriela Belvisi (London, United Kingdom)

17:15-19:15
INDUSTRY EVENING SYMPOSIUM  SEE PAGE 1

17:30-19:00
INDUSTRY EVENING MINI SYMPOSIUM  SEE PAGE 1

17:30-19:00
INDUSTRY EVENING EXPERT FORUM  SEE PAGE 1
Room E  Session 683  08:30 - 10:30

Symposium: Respiratory infections in high-income countries: old challenges and new threats preceded by Ceremony for the ERS Research Award: Innovation in Non-Tuberculous Mycobacteria Science and Medicine

**Aims:** This symposium will highlight and discuss new developments in respiratory infectious disease prevention and control in the European Union. The focus will be on tuberculosis, influenza, legionella, and new emerging respiratory infections. Specific objectives are to inform the audience about the epidemiology of respiratory infectious diseases, and to present and discuss new guidelines for preventing and controlling respiratory infectious diseases.

**Track(s):** Infection

**Target audience:** Allied health professional, Clinician, Epidemiologist, Fellow, General practitioner, Junior member, Microbiologist, Nurse, Paediatrician, Patient, Public health official, Pulmonologist, Researcher, Respiratory physician, Scientist, TB specialist, Trainee

**Chairs:** Marieke van der Werf (Stockholm, Sweden), Mario C. Raviglione (Geneva, Switzerland)

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<th>Time</th>
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<tr>
<td>08:30</td>
<td>Ceremony for ERS Research Award: Innovation in Non-Tuberculous Mycobacteria Science and Medicine</td>
<td>Jakko van Ingen (Nijmegen, Netherlands), Felix C. Ringshausen (Hannover, Germany)</td>
<td>4762</td>
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<tr>
<td>08:40</td>
<td>Molecular mechanisms of antimicrobial resistance</td>
<td>Daniela Maria Cirillo (Milano, MI, Italy)</td>
<td>4763</td>
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<tr>
<td>09:07</td>
<td>Opportunities and challenges in whole genome sequencing for TB prevention and control</td>
<td>Francis Drobniewski (London, United Kingdom)</td>
<td>4764</td>
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<tr>
<td>09:34</td>
<td>The role of the microbiome in the clinical management of respiratory infections</td>
<td>Erika von Mutius (Munich, Germany)</td>
<td>4765</td>
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<tr>
<td>10:01</td>
<td>Antibiotic stewardship in respiratory infections</td>
<td>Cliodna McNulty (London, United Kingdom)</td>
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Prince Regent Room  Session 684  08:30 - 10:30

Session: Health effects related to air pollution
ERS/BTS joint session

**Aims:** To inform the audience about the history of air pollution research; the impact of air pollution on respiratory health and related health effects; and new challenges and new directions in research and public health approaches.

**Track(s):** Epidemiology / Environment

**Tag(s):** Healthy Lungs for Life (HLfL)

**Target audience:** Educationalist, Epidemiologist, Fellow, General practitioner, Junior member, Paediatrician, Patient, Public health official, Pulmonologist, Researcher, Respiratory physician, Student

**Chairs:** Torben Sigsgaard (Århus, Denmark), David Fishwick (Sheffield, United Kingdom)

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<th>Time</th>
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<tbody>
<tr>
<td>08:30</td>
<td>The great London smog of 1952 revisited</td>
<td>Noel Baxter (London, United Kingdom)</td>
<td>4767</td>
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<tr>
<td>09:00</td>
<td>Respiratory health impact of current air pollution levels in Europe</td>
<td>Bert Brunekeeff (Utrecht, Netherlands)</td>
<td>4768</td>
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<tr>
<td>09:30</td>
<td>Cardiovascular health effects of air pollution</td>
<td>Barbara Hoffmann (Dusseldorf, Germany)</td>
<td>4769</td>
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<tr>
<td>10:00</td>
<td>What are the remaining research questions on air pollution related health effects?</td>
<td>Thomas Sandstrom (UMEÅ, Sweden)</td>
<td>4770</td>
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Room L  Session 685  08:30 - 10:30

Symposium: Extracellular vesicles in lung disease pathogenesis

**Aims:** The aims of this session are to introduce the audience to the important concept of extracellular vesicles (EVs) and their potential role in lung health and disease; outline the various types of EVs that are produced by epithelial and inflammatory cells; provide specific examples of the various molecules that are transported by EVs and how they are transferred to target cells; and present potential therapeutic roles of EVs for the treatment of lung disease.
### Room A: Session 686  08:30 - 10:30

**Symposium: New frontiers in lung transplantation**

**Aims:** This symposium will describe the new state-of-the-art findings in lung transplantation, donor management, and complications.

**Target audience:** Immunologist, Intensivist/critical care physician, Pulmonologist, Respiratory physician, Thoracic surgeon, Trainee

**Chairs:** Federica Meloni (Pavia, Italy), Jens Gottlieb (Hannover, Germany)

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<th>Time</th>
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<tr>
<td>08:30</td>
<td>New horizons of chronic lung allograft dysfunction</td>
<td>Robin Vos (Leuven, Belgium)</td>
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<td>09:00</td>
<td>Humoral rejection: the state-of-the-art in lung transplantation</td>
<td>Allan Glanville (Sydney, Australia)</td>
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<td>09:30</td>
<td>New imaging techniques for chronic lung allograft dysfunction</td>
<td>Stijn Verleden (Leuven, Belgium)</td>
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<td>10:00</td>
<td>The current ability of ex vivo lung perfusion (EVLP) to recondition donor lungs</td>
<td>Andrew Fisher (Newcastle, United Kingdom)</td>
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### Room B: Session 687  08:30 - 10:30

**Symposium: Closing the gap: novel translational research strategies**

**Aims:** This session will explain why respiratory research in 2016 will need innovation in translational models of disease. Specific examples of how innovations in translational models of disease have helped to close knowledge gaps between basic and clinical respiratory research will be provided. How organoids, 3-dimensional in vitro models, and the lung slice technique can be used in respiratory research to elucidate mechanisms of disease will be described.

**Track(s):** Physiological, Translational

**Target audience:** Fellow, Immunologist, Junior member, Pathologist, Patient, Pharmaceutical industry representative, Physiologist, Pulmonologist, Researcher, Student, Trainee

**Chairs:** Reinoud Gosens (Groningen, Netherlands), Clare Lloyd (London, United Kingdom)

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<th>Time</th>
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<tbody>
<tr>
<td>08:30</td>
<td>How organoids helped to discover cystic fibrosis transmembrane conductance regulator (CFTR) therapeutics and predict response to treatment</td>
<td>Jeffrey M. Beekman (Utrecht, Netherlands)</td>
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<td>09:00</td>
<td>3-dimensional airway models reveal airway epithelial responses to mechanical stretch and compression</td>
<td>Christopher Grainge (Newcastle, Australia)</td>
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<tr>
<td>09:30</td>
<td>Translational models in asthma and COPD</td>
<td>Tania Maes (Ghent, Belgium)</td>
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<tr>
<td>10:00</td>
<td>Modelling tissue repair in COPD</td>
<td>Melanie Koenigshoff (Munich, Germany)</td>
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Platinum Room 1+2  
**Session 688  08:30 - 10:30**  
**Hot topics: Immunity in COPD**  
**Time for questions?**  
**Aims:** COPD is a very heterogeneous disease. The classical paradigm, namely, that cigarette smoke-induced inflammation and proteinase-antiproteinase imbalance are the main players in the pathogenesis of COPD, has recently been called into question. The varying degree of susceptibility to COPD among individuals and the fact that susceptible ever-smokers continue to have progressive lung parenchymal disease indicate a much more complex immune response to the insulting agent.

**Track(s):** Epidemiology / Environment  
**Tag(s):** Translational  
**Target audience:** Allergologist, Clinician, Fellow, Immunologist, Junior member, Pathologist, Patient, Pharmaceutical industry representative, Pulmonologist, Researcher, Resident, Scientist, Student, Trainee  
**Chairs:** James Hogg (Vancouver, Canada), Chair to be confirmed

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<th>Time</th>
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<th>Speaker(s)</th>
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<tr>
<td>08:30</td>
<td>The immune system in COPD: guilty as charged?</td>
<td>Wim Timens (Groningen, Netherlands)</td>
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<td>09:00</td>
<td>Cigarette smoke and COPD: the innate immune mechanisms</td>
<td>Ken Bracke (Ghent, Belgium)</td>
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<td>09:30</td>
<td>B-cells: emerging from the backstage of COPD?</td>
<td>Francesca Polverino (Boston, United States of America)</td>
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<td>10:00</td>
<td>Infection, immunity and new treatments approaches in COPD</td>
<td>Michael Edwards (London, United Kingdom)</td>
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Platinum Room 3+4  
**Session 689  08:30 - 10:30**  
**Hot topics: Nutrition and respiratory health**  
**Aims:** To describe new insights into the role nutrition in respiratory health plays in diverse fields that range from primary prevention to personalised medicine. Updated information regarding the efficacy of nutritional intervention in COPD will be provided and novel nutritional targets will be presented on the basis of new insights into metabolism and inter-organ crosstalk.

**Tag(s):** Translational  
**Chairs:** Christophe Pison (Grenoble Cedex 9, France), Sally J. Singh (Leicester, United Kingdom)

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<th>Time</th>
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<tr>
<td>08:30</td>
<td>Healthy diet, lung, and cardiovascular health: connecting the dots</td>
<td>Raphaëlle Varraso (Villejuif, France)</td>
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<tr>
<td>09:05</td>
<td>The pink puffer and blue bloater revisited (Nutritional assessment and therapy in COPD: ERS statement)</td>
<td>Emiel F. M. Wouters (MAASTRICHT, Netherlands)</td>
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<td>09:40</td>
<td>Nutrition in systemic COPD management: targeting deficiencies or pharmaconutrition?</td>
<td>Annemie Schols (Maastricht, Netherlands)</td>
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<td>10:15</td>
<td>Positioning of diet and nutrition in COPD management: lifestyle modification or pharmaconutrition? - PANEL DISCUSSION</td>
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Room C  
**Session 690  08:30 - 10:30**  
**Oral Presentation: Novel tools and approaches to diagnosing obstructive sleep apnoea**  
**Chairs:** Johan Verbraecken (Edegem (Antwerp), Belgium), Anita Simonds (London, United Kingdom)

<table>
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<tr>
<th>OA4791</th>
<th>Validation of the Dutch STOPBANG screening questionnaire for OSAS in healthy workers</th>
<th>Susan Huttenhuis (Enschede, Netherlands), Susan Huttenhuis, Michiel Eijsvogel, Sytske Wiegersma, Job van der Palen</th>
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<tr>
<td>OA4792</td>
<td>Micro-sleep (M S) as a marker of resistance to excessive daytime sleepiness (EDS) in patients with OSA</td>
<td>Francesco Fantulla (PAVIA, Italy), Francesco Fantulla, Elisa Morrone, Rossella Trentin, Nadia D’Artavilla Lupo, Aleksandar Prpa</td>
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<td>OA4793</td>
<td>Establishing a normal range model using real time events, driving simulator (MiiUl DS) outcome and performance based on standard deviation of lane position (SDL P) in untreated OSAS patients and controls</td>
<td>Akshay Dwarakanath (Wakefield, United Kingdom), Akshay Dwarakanath, Dipansu Ghosh, Samantha Jamson, Paul Baxter, Mark Elliott</td>
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<tr>
<td>OA4794</td>
<td>Accuracy of overnight pulse oximetry in diagnosing moderate to severe obstructive sleep apnoea</td>
<td>Parminder Bhomra (Birmingham, United Kingdom), Parminder Bhomra, Nadia Sayeed, Ibrahim Shah, Adeel Sahal</td>
</tr>
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</table>
**Room G**

**Session 691** 08:30 - 10:30

**Oral Presentation: Paediatric asthma: from amniotic fluid to dirty streets**

**Tag(s):** Healthy Lungs for Life (HLfL)

**Chairs:** Alexander Möller (Zurich, Switzerland), Bart Rottier (Groningen, Netherlands)

**LATE-BREAKING ABSTRACT: Safety of salmeterol/fluticasone propionate (FSC) compared to fluticasone propionate (FP) in 4-17 yr olds with asthma**

David Stempel (Bellevue, WA, United States of America), David Stempel, Stanley Szefler, Soren Pedersen, Robert Zeiger, Herman Mitchell, Andrew Liu, Ibrahim Raphiou, Kenneth Kral, Anne Yeakey, Kathleen Buaron, Barbara Prillaman, Laurie Lee, Suyong Yun Kirby, Steven Pascoe

**Metabolomics profile of amniotic fluid and early recurrent wheezing**

Silvia Carraro (Padova, Italy), Silvia Carraro, Giuseppe Giordano, Paola Pirillo, Mauro Naturale, Matteo Stocchero, Michiel Houben, Eugenio Baraldi, Louis Bont

**Effect of prenatal hypoxia-induced growth restriction on lung structure in adult rats**

Kimberley Wang (Southern River, Australia), Kimberley Wang, Jude Morton, Sandra Davidge, Alexander Larcombe, Alan James, Peter Noble

**Higher doses of inhaled steroid are associated with bacterial bronchitis in children with severe therapy resistant asthma (STRA)**

James Cook (London, United Kingdom), James Cook, Andrew Bush, Sejal Saglani, Louise Fleming

**Receptor of advanced glycation end products in childhood asthma exacerbation**

Adel Salah Bediwy (Tanta, Egypt), Adel Bediwy, Samir Maher Hassan, Marwa Rushdy El-Najjar

**Effect of high-intensity exercise on aerobic performance and airway inflammation in asthma**

Charles Winn (Swansea, United Kingdom), Charles Winn, Melitta McNarry, Gareth Stratton, Andrew Wilson, Gwyneth Davies

**Association of neighborhood hygiene (dirty streets and alleys) on urban children with asthma**

Cassia Lewis-Land (Baltimore, United States of America), Cassia Lewis-Land, Mary Beth Bollinger, Mona Tsoukleris, Arlene Butz

**Room D**

**Session 692** 08:30 - 10:30

**Oral Presentation: Management of dyspnoea and exacerbations in chronic lung diseases**

**Chairs:** Enrico Maria Clini (Pavullo, Italy), Richard Casaburi (Rancho Palos Verdes, United States of America)

**LATE-BREAKING ABSTRACT: A home-centered disease management program in severe chronic obstructive pulmonary disease (Results of the COPD patient Management European Trial-COMET)**

Joelle Texereau (Paris, France), Romain Kessler, Pere Casan, Dieter Koehler, Silvia Tognella, Jose Luis Viejo, Roberto dal Negro, Joelle Texereau, Jean Bourbeau

**Short physical performance battery as a predictor of adverse outcomes following hospitalisation for an acute exacerbation of COPD**

Samantha Kon (Middlesex, United Kingdom), Samantha Kon, Sarah Jones, Susie Schofield, Winston Banya, Jane Canavan, Claire Nolan, Brigitte Haselden, Michael Polkey, Paul Cullinan, William Man

**A phase III, multi-site, randomised, double blind, placebo controlled parallel arm study of daily extended release (ER) morphine for chronic breathlessness**

David Currow (Daw Park, Australia), David Currow, Magnus Ekström, Belinda Fazekas, John Plummer, Stephen Quinn, Christine McDonald, Meera Agar, Katherine Clark, Simon Eckermann, Amy Abernethy
OA4809  Motor cortex hypoexcitability and hypoactivation in COPD patients with peripheral muscle weakness
Nelly Heraud (Grabels, France), Alain Varray, Francois Alexandre, Emilie Tremey, Nicolas Oliver, Dominique Bourgouin, Nelly Heraud

OA4810  Characterisation of a novel symptom of chronic obstructive pulmonary disease: Bendopnoea
Melissa McDonnell (Galway, Ireland), Melissa McDonnell, Niamh Duignan, Robert Rutherford

OA4811  Prescription of opioids for breathlessness in end-stage chronic obstructive pulmonary disease: A national population based study
Zainab Ahmadi (Lund, Sweden), Zainab Ahmadi, Eva Bernelid, David C. Currow, Magnus P. Ekström

OA4812  The impact of exacerbations on adherence and outcomes of pulmonary rehabilitation in patients with COPD
Dionne Braeken (Valkenburg a/d Geul, Netherlands), Dionne Braeken, Sarah Wilke, Dionne Smid, Gernot Rohde, Jesse Drijkoningen, Emiel Wouters, Martijn Spruit, Frits Franssen

OA4813  Development of a Barthel index based on dyspnea for patients with respiratory diseases
Michele Vitacca (Gussago, Italy), Michele Vitacca, Mara Paneroni, Paola Baiardi, Vito De Carolis, Elisabetta Zampogna, Stefano Belli, Mauro Carone, Antonio Spanevello, Bruno Balbi, Giorgio Bertolotti

Room M  Session 693  08:30 - 10:30
Oral Presentation: Best abstracts on innovative outcomes and novel interventions in respiratory physiotherapy
Chairs: Chris Burtin (Diepenbeek, Belgium), Christian Osadnik (Melbourne, VIC, Australia)

OA4814  LATE-BREAKING ABSTRACT: Can patients with COPD assimilate disease specific information at a time of being acutely unwell due to an exacerbation of their disease?
Tania Janaudis Ferreira (Montreal, QC, Canada), Tania Janaudis Ferreira, Samantha Harrison, Jocelyn Carr, Andrea Gershon, Sean Carr, David Fishbein, Roger Goldstein

OA4815  Cost-analysis of a physiotherapy program, focused on early mobility and managed protocols of non-invasive ventilation and weaning from mechanical ventilation, in a clinical emergency department
Luciana Vieira (BRASILIA/DF, Brazil), Luciana Vieira, Chris Burtin, Ludmilla Figueiredo, Rodrigo Garbero, Joana Castro, Alexandre Luque

OA4816  Cognition in COPD patients
Brenda Deering (Dublin 9, Ireland), Brenda Deering, Diane Gillan, Marie Guidon, Richard Costello

OA4817  Contact time between patients with COPD and coach during an activity telecoaching intervention: Impact on the intervention effect
Matthias Loeckx (Leuven, Belgium), Matthias Loeckx, Zafeiris Louvaris, Rebecca Tanner, Noah Rubio, Anja Frej, Corina de Jong, Elena Gimeno Santos, Heleen Demeyer, Maarten Spruyt, Sara Buttery, Nick Hopkinson, Gilbert Buesching, Alexandra Strassmann, Ignasi Serra, Roberto Rabinovich, Giannis Vogiatzis, Michael Polkey, Judith Garcia-Aymerich, Thierry Troosters

OA4818  Neuromuscular electrical stimulation in adults with advanced disease: An updated Cochrane systematic review
Matthew Maddocks (London, United Kingdom), Matthew Maddocks, Sarah Jones, William Man, Wei Gao, Irene Higginson, Andrew Wilcock

OA4819  The effect of fatigue on bipedal postural control in patients with severe chronic obstructive pulmonary disease
Kateina Neumannová (Olomouc, Czech Republic), Katerina Neumannová, Nicolas Vuillerme, Zdenek Svoboda, Vladimir Kobilizek, Vratislav Sledák, Jaromír Zatloukal, Marek Plutinsky, Miroslav Janura

OA4820  Gait parameters, balance and risk of falls in COPD: Cross sectional study
Kalyana Chakravarthy Bairapareddy (Manipal, India), Kalyana Chakravarthy Bairapareddy, Priyanka Jirange, K. Vaishali

OA4821  Effects of hypertonic saline on sputum clearance in patients with bronchiectasis
Victoria Alcaraz Serrano (Barcelona, Spain), Victoria Alcaraz Serrano, Beatriz Herrero Cortina, Jordi Vilaró Casamitjana, Edmundo Rosales Mayor, Antoni Torres Martí, Eva Polverino

Room P  Session 694  08:30 - 10:30
Oral Presentation: New insights into aspects of tuberculosis epidemiology
Chairs: Moerida Belton (London, United Kingdom), Marc Lipman (London, United Kingdom)

OA4822  Statin use and the risk of tuberculosis: Data from 305,142 patients
Vincent Yi-Fong Su (Taipei, Taiwan), Vincent Yi-Fong Su
**OA4823**
Active tuberculosis increases the risk of incident osteoporosis- A nation-wide population based cohort study
Jia-Yih Feng (Taipei, Taiwan), Jia-Yih Feng, Ying-Ying Chen, Yung-Feng Yen, Sheng-Wei Pan, Wei-Juin Su

**OA4824**
Facilities for treating multidrug-resistant tuberculosis (MDRTB) in Europe
Graham H. Bothamley (London, United Kingdom), Graham H. Bothamley, Christoph Lange

**OA4825**
A prediction rule to stratify mortality risk of patients with pulmonary tuberculosis
Helder Novais e Bastos (Braga, Portugal), Helder Novais e Bastos, Nuno Osório, António Gil Castro, Angélica Ramos, Teresa Carvalho, Leonor Meira, David Araújo, Leonor Almeida, Rita Boaventura, Patricia Fragata, Catarina Chaves, Patricio Costa, Ivo Ferreira, Sara Magalhães, Fernando Rodrigues, Rui Sarmento Castro, Raquel Duarte, João Tiago Guimarães, Margarida Saraiva

**OA4826**
Breast tuberculosis in East London
Benjamin Butler (London, United Kingdom), Benjamin Butler, Amina Khanam, Jessica Potter, Charlotte Longman, Thomas Campion, Silvia O’Keeffe, Simon Tiberi, Matthew Burman, Nivenka Jayasekera, Veronica White, Heinke Kunst

**OA4827**
Genotypes of mycobacterium tuberculosis with pre-extended drug resistance in Belarus
Veronika Slizen (Minsk, Belarus), Veronika Slizen, Larissa Surkova

**OA4828**
Dynamics of primary multidrug drug resistance in Novokuznetsk over 10 years period
Arkadiy Khanin (Novokuznetsk, Kemerovo Oblast, Russian Federation), Arkadiy Khanin, Irina Viktorova, Sergey Dolgikh, Irina Garavskaya

**Room K**
**Session 695**
**Oral Presentation: Novel strategies on COPD and asthma management**
**Chairs:** Klaus Friedrich Rabe (Großhansdorf, Germany), Omar Usmani (London, United Kingdom)

**OA4829**
LATE-BREAKING ABSTRACT: Real life impact of long acting beta-2-agonist withdrawal in controlled step 3 asthma patients
Sunny Jabbal (Dundee, United Kingdom), Sunny Jabbal, Arvind Manoharan, William Anderson, Joseph Lipworth, Brian Lipworth

**OA4830**
LATE-BREAKING ABSTRACT: The benefits of [italic]Nigella sativa[/italic] oil supplementation on asthma inflammation: A randomised, double-blind, placebo-controlled, phase II trial
Abdulrahman Koshak (London, United Kingdom), Abdulrahman Koshak, Li Wei, Emad Koshak, Siraj Wali, Omer Alamoudi, Abdulrahman Demerdash, Majdy Qutub, Peter Pushparaj, Michael Heinrich

**OA4831**
LATE-BREAKING ABSTRACT: Association of incident pneumonia and exacerbations with extrafine beclometasone dipropionate/formoterol (BDP/FF) in severe COPD patients: A post-hoc analysis of FORWARD study
Massimo Corradi, Parma, Italy, Massimo Corradi, Monica Spinola, Alessandro Guasconi, Géraldine Cohuet, Isabella Montagna, Andrea Bizzi, Stefano Petruzzelli

**OA4832**
LATE-BREAKING ABSTRACT: Benralizumab for mild to moderate, persistent asthma: The BISE phase III study
Gary T. Ferguson (Farmington Hills, United States of America), Gary Ferguson, J. Mark FitzGerald, Eugene Bleecker, Michel Laviolette, David Bernstein, Craig LaForce, Lyndon Mansfield, Peter Barker, Yanping Wu, Maria Jison, Mitchell Goldman

**OA4833**
LATE-BREAKING ABSTRACT: Indacaterol/glycopyrronium (IND/GLY) reduces the risk of exacerbations versus salmeterol/fluticasone (SFC) in moderate-to-very severe COPD patients irrespective of prior ICS/LABA/LAMA therapy: The FLAME study
Wisia Wedzicha (London, United Kingdom), Jadwiga Wedzicha, Karen Mezzi, Tim Ayers, Chau Thach, Robert Fogel, Francesco Patalano, Donald Banerji

**OA4834**
LATE-BREAKING ABSTRACT: Pulmonary deposition of a novel LAMA/LABA Co-Suspension[super][trade] in healthy subjects (PT003020)
Sarvajna Dwivedi (Redwood City, United States of America), Glyn Taylor, Simon Warren, Chad Oreillo, Andrea Maes, Ulbaldo J. Martin, Sarvajna Dwivedi, Colin Reisner

**OA4835**
LATE-BREAKING ABSTRACT: IgE immunoadsorption in allergic bronchopulmonary aspergillosis: A pilot study
Siva Mahendran (Watford, United Kingdom), Siva Mahendran, Rosemary Ebling, Mohammad Ibrahim, Tariq Sethi

**OA4836**
LATE-BREAKING ABSTRACT: Corticosteroid responsiveness in COPD
Nausherwan Burki (Farmington, United States of America), Nausherwan Burki, Marsden Granger, Debapriya Datta

**Room ICC Capital Suite**
**Session 696**
**08:30 - 10:30**
**Poster Discussion: Lung cancer: therapeutic modalities, re-staging, and follow-up**
Chairs: Matthew Evison (Manchester, United Kingdom), Dragana M. Jovanovi (Beograd, Republic of Serbia)

**PA4837**
Equal efficacy of gefitinib in chemonaive lung adenocarcinoma patients with either exon 19 deletion or L 858R point mutation
Chou-Han Lin (Taipei, Taiwan), Chou-Han Lin, Chao-Chi Ho

**PA4838**
Lung adenocarcinoma mimicking interstitial lung disease showed good response to navelbine monotherapy
Yeomhee Park (Daejeon, Republic of Korea), Yeomhee Park, Myoung-Rin Park, Dong-II Park, Chae-Uk Chung, Jae-Young Moon, Jeong-Eun Lee, Hee-sun Park, Sung-su Jung, Sun-young Kim, Ju-Ock Kim

**PA4839**
Pemetrexed in maintenance therapy of 164 patients with non-small-cell lung cancer (NSCLC)
Jana Sk ková (BRNO, Czech Republic), Jana Skricková, Zbynek Bortlicek, Karel Hejduk, Milos Pesek, Vitezslav Kolek, Marcela Tomiskova, Ivona Grygarkova, Leona Koubkova, Marketa Cernovska, Jaromir Roubec, Frantisek Salajka, Milada Zemanova, Helena Coupkova, Monika Satankova, Miloslav Marel

**PA4840**
Impact of second-line treatment on overall survival of advanced lung adenocarcinoma patients
Chai Chee Shee (Petaling Jaya, Malaysia), Chai Chee Shee, Liam Chong Kin, Pang Yong Kek, Kow Keng Siong, Poh Mau Ern, Wong Chee Kuan, Tan Junn Liang

**PA4841**
Chemotherapy toxicity in advanced non-small cell lung cancer and its impact on survival
Hela Cherif (Tunis, Tunisia), Hela Cherif, Saoussen Bacha, Sonia Habibeche, Hager Racil, Nana Cheikhrouhou, Naouel Chaoueche, Abdellatif Chabant, Mohamed Lamine Megdiche

**PA4842**
Risk factors of febrile neutropenia induced in lung cancer patients
Shinpei Tsuchida (Miyazaki-shi, Japan), Shinpei Tsuchida, Hironobu Tsubouchi, Akiko Kitamura, Nobuhiro Matsumoto, Masamitsu Nakazato

**PA4843**
Does consolidation chemotherapy improves survival for locally advanced non-small-cell lung cancer patients receiving concurrent chemoradiotherapy?
Berna Kömürcü olu (Izmir, Turkey), Berna Kömürcüoğlu, Yelda Vatansever, Esra Korkmaz, Aysen Evkan, Enver Yalniz

**PA4844**
Checkpointinhibition in lung cancer - How to distinguish pseudoprogression from progressive disease
Achim Rittmeyer (Immenhausen, Germany), Achim Rittmeyer, Birgit Zwerger, Reinhardt Christian, Josef Rüschoff, Hans-Ulrich Schildhaus, Stefan Andreas

**PA4845**
Progression vs. pseudo progression in the treatment of squamous NSCLC with nivolumab
Stefan Rüdiger (Ulm, Germany), Stefan Rudiger, Cornelia Kropf-Sanchen, Gerlinde Schmidtke-Schrezenmeier, Marta Aksentiy, Katja Hoss, Wolfgang Rotthauer

**PA4846**
What predicts radiation pneumonitis best? Pulmonary injury after curatively intended radiotherapy of early-stage lung cancer
Janna Berg (Porsgrunn, Norway), Janna Berg, May-Bente Bengtson, Odd Terje Brustugun, Åslaug Helland

**PA4847**
Early surgical resection for stage I high-grade neuroendocrine carcinoma of lung
Eisuke Mochizuki (Shizuoka, Japan), Eisuke Mochizuki, Kyoko Ooshi, Koichi Miyashita, Koshiro Ichijyo, Syunya Furukawa, Mi yuki Nagoaka, Syun Matsura, Shinichiro Mi kura, Masaru Tsukui, Naoki Koshimizu

**PA4848**
Management of residual pleural space and persistent airleak after major lung resection
Kalliopi Athanassia di (Athens, Greece), Kalliopi Athanassiad i, Ioannis Alevizakis, Nikolaos Papakonstantinou, Stamatios Kakaris

**PA4849**
Should preoperative FDG uptake on PET/CT guide postoperative surveillance in surgical non-small cell lung cancer (NSCLC)
Emma Dennen y (Harlow, United Kingdom), Emma Denny, Sarah Clarke, Ravi Ragatha, Samir Naik, Peter Russell, Nick Fanagiotopoulos, David Lawrence, Ugo Ekeowa

**PA4850**
Evaluation of response to chemotherapy with fiberoptic bronchoscopy in lung cancers
Krsto Jandric (Banja Luka, Bosnia and Herzegovina), Krsto Jandric, Sanja Glicic, Olivera Ljuboja

**PA4851**
Lung cancer revisited - CT scan and bronchoscopy concordance after treatment
Cláudia Sofia Vaz Guerreiro (Faro, Portugal), Cláudia Sofia Vaz Guerreiro, Jorge Dionísio, José Duro da Costa

**PA4852**
Screening for intracerebral metastasis in radically treated non-small cell lung cancer patients
Wang Ying Lim (York, United Kingdom), Wang Ying Lim, Sam Roberts, Claire Exley, Llinos Jones

**PA4853**
A case with a primary adrenal insufficiency secondary to nivolumab
Tuncay Göksel (Izmir, Turkey), Nur Sinem Sengoiz Coskun, Ilgin Yildirim Simsr, Tuncay Göksel

**PA4854**
LATE-BREAKING ABSTRACT: Early relapse of non-small cell lung cancer (NSCLC) found after CNS-symptoms
Niels-Chr. G. Hansen (Odense C, Denmark), Niels-Chr. G. Hansen, Christian B. Laursen, Stefan S. Jeppesen, Erik Jakobsen
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<th>Paper ID</th>
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<td>PA4855</td>
<td>Human neutrophils release bioactive inflammasome complexes: relevance for cystic fibrosis</td>
<td>Julie Laval (Tübingen, Germany), Julie Laval, Martina Bakele, Stephan Hailfinger, Gassen Nils, Hector Andreas, Hartl Dominik</td>
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<td>PA4856</td>
<td>CFTR-dependent deficiency in alternatively-activated macrophages in cystic fibrosis</td>
<td>Abdullah Tarique (Brisbane, QLD, Australia), Abdullah Tarique, Peter Sly, Patrick Holt, Anthony Bosco, Robert Ware, Jayden Logan, Scott Bell, Claire Wainwright, Emmanuelle Fantino</td>
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<td>PA4857</td>
<td>Applicability of dry powder inhalers in children with CF</td>
<td>Anne Lexmond (London, United Kingdom), Anne Lexmond, Paul Hagedoorn, Erik Frijlink, Bart Rottier, Anne De Boer</td>
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<td>PA4858</td>
<td>Regulation of dectin-1 in cystic fibrosis bronchial epithelial cells during host pathogen interactions</td>
<td>Anjali Ralhan (Tuebingen, Germany), Anjali Ralhan, Nina Frey, Carolin Schroth, Anurag Singh, Andreas Hector, Dominik Hartl</td>
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<td>PA4859</td>
<td>Respiratory viruses in healthy infants and infants with cystic fibrosis. A prospective cohort study</td>
<td>Insa Korten (Bern, Switzerland), Insa Korten, Elisabeth Kieninger, Njima Schläpfer, Maria Teresa Barbani, Urs Frey, Nicolas Regamey, Claudia Kuehni, Markus Hilty, Meri Gorgievski, Carmen Casaulta, Philipp Latzin</td>
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<td>PA4860</td>
<td>Pseudomonas aeruginosa from CF airways uses various strategies to outcompete staphylococcus aureus</td>
<td>Ross Pallett (West Bromwich, United Kingdom), Ross Pallett, Lindsay J. Marshall</td>
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<td>PA4861</td>
<td>Does the cystic fibrosis phlegm feed the pseudomonas?</td>
<td>Sian Baldock (Leicester, United Kingdom), Sian Baldock, Hasan Yesilkaya, Peter Andrew, Erol Gaillard</td>
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<td>PA4862</td>
<td>Could nan1-expression and production by pseudomonas aeruginosa be a prognostic factor for survival in CF patients</td>
<td>Guergana Petrova (SOFIA, Bulgaria), Guergana Petrova, Penka Perenovska, Tanya Strateva</td>
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<td>PA4863</td>
<td>Efficacy and safety of inhaled antibiotics for chronic pseudomonas infection in cystic fibrosis: Network meta-analysis</td>
<td>Stuart Elborn (Belfast, United Kingdom), Stuart Elborn, Anne-Lise Vataire, Ayako Fukushima, Samuel Aballéa, Amine Khemiri, Curtis Moore, Goran Medic, Michiel Hemels</td>
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<td>PA4864</td>
<td>Within-subject variability of lung function in newborn screened (NBS) CF infants</td>
<td>Gwyneth Davies (Swansea, United Kingdom), Gwyneth Davies, Lena Thia, Ah-Fong Hoo, Paul Aurora, Angie Wade, Andrew Bush, Janet Stocks</td>
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<td>PA4865</td>
<td>Infant lung function testing: First in vivo report of a novel inert gas washout method to measure LCI</td>
<td>Anna Shawcross (Manchester, United Kingdom), Anna Shawcross, Clare Murray, Jane Kirkby, Katy Pike, Alex Horsley</td>
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<td>PA4866</td>
<td>Dynamic hyperinflation exercise limitation in patients with cystic fibrosis</td>
<td>Cristina HERNANDEZ GONZALEZ (Oviedo (Asturias), Spain), Cristina Hernandez Gonzalez, Marta Iscar Urrutia, Marta García Clemente, Liliana Perez Martinez, Angelica Orellana Gonzalez, Ana Isabel Enríquez Rodríguez, Gemma Rubinos Cuadrado, Maria José Vázquez López, Ramón Fernández Álvarez, Pere Casan Clara</td>
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<td>PA4867</td>
<td>Do chest computed tomography and radiography influence clinical management in children with cystic fibrosis?</td>
<td>Carla Federica Bortoluzzi (Casier, Italy), Carla Federica Bortoluzzi, Eleonora Pontello, Emily Pintani, Karin de Winter-de Groot, Baroukh Assael, Harm Tiddens, Myriam Hunink, Daan Caudri</td>
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<td>PA4868</td>
<td>Use of national disease registries in the conduct of long-term post-authorisation drug safety studies (LTSSS)</td>
<td>Diana Bilton (Huntingdon, United Kingdom), Diana Bilton, Noreen Caine, Rebeca Cosgriff, Stephen Nyangoma, Siobhan Carr</td>
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<td>PA4869</td>
<td>Ataluren in nonsense mutation cystic fibrosis patients not receiving chronic inhaled tobramycin: Evaluation of exacerbations and lung function</td>
<td>Isabelle Sermet-Gaudelus (Paris, France), Isabelle Sermet-Gaudelus, Harm Tiddens, Anne Malfroot, Harry Heijerman, Eitan Kerem, Lena Hjelte, Yiping Sun, Joseph McIntosh, Jane Davies, Christiane de Boeck</td>
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<td>PA4870</td>
<td>Ability of the lung clearance index to monitor progression of early lung disease in children with cystic fibrosis</td>
<td>Rachel Foong (Perth, WA, Australia), Rachel Foong, Kathryn Ramsey, Alana Harper, Lidiija Turkovic, Billy Skoric, Tim Rosenow, Louise King, Miriam Davis, Charles Clem, Stephen Stick, Sarah Ranganathan, Graham Hall, Stephanie Davis</td>
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<td>PA4871</td>
<td>Comparison of bronchodilator responsiveness in children with primary ciliary dyskinesia and cystic fibrosis</td>
<td>Victoria Keenan (Southampton, United Kingdom), Victoria Keenan, Amanda Harris, Sarah Payne, Caroline Yonge, Bruna Rubbo, Amanda Friend, Kerry Gove, Julian Legg, Hazel Evans, Lucas Jane, Connett Gary, Walker Woolf</td>
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LATE-BREAKING ABSTRACT: Poor outcome following lung transplantation in CF patients infected with mycobacterium abscessus appears to be associated with two genetic clusters of mycobacterium abscessus subspecies abscessus
Ema Kavaliunaite (London, United Kingdom), Ema Kavaliunaite, Kathryn A. Harris, Paul Aurora, Garth Dixon, Delane Shingadia, Nagarajan Muthialu, Helen Spencer

PA4873 Efficacy of functionalized-imatinib loaded gold nanoparticles on lung fibroblastoid cells from systemic sclerosis patients
Federica Meloni (Pavia, Italy), Emanuela Cova, Simona Inghilleri, Davide Piloni, Veronica Codullo, Laura Pandolfi, Miriam Colombo, Monica Morosini, Valentina Barzon, Sara Magni, Davide Prosperi, Carlomaurizio Montecucco, Federica Meloni

PA4874 Pattern and impact of rheumatology referral in patients with ILD and autoimmune features
Boyang Zheng (Montréal, QC, Canada), Boyang Zheng, Julie Morisset, Sandra Charttrand, Bruno Pierre Dubé

PA4875 Analysis of inflammatory networks in interstitial lung disease in patients with rheumatoid arthritis
OURANIA KOLTSIDA (Athens, Greece), Ourania Koltsida, Evgenia Synolaki, Athanasios Stavropoulos, Pasxalis Sideras, Nikolaos Koulouris, Dimitrios Boumpas, Grigorios Stratakos

PA4876 Idiopathic non-specific interstitial pneumonia (NSIP): do the patients develop connective tissue disease (CTD) during follow-up?
Janne Møller (Skanderborg, Denmark), Janne Møller, Alan Altraja, Tone Sjåheim, Line Bille Madsen, Finn Rasmussen, Elisabeth Bendstrup

PA4877 Detection of anti DFS70 antibodies in patients with interstitial lung disease (ILD) with and without connective tissue disease (CTD)
Francesco Bonella (Dusseldorf, Germany), Francesco Bonella, Yan Lyu, Dirk Theegarten, Eda Boerner, Thomas E. Wessendorf, Ohshimo Shinichiro, Josune Guzman, Ulrich Costabel, Michael Kreuter

PA4878 Efficacy of switching from cyclosporine A to tacrolimus in patients with refractory CTD-ILD
Yosuke Goto (Seto city, Aichi, Japan), Yosuke Goto, Hirokuki Taniguchi, Yasuhiro Kondoh, Tomoki Kimura, Kensuke Kataoka, Toshiaki Matsuda, Toshiki Yokoyama, Yasuhiro Yamano

PA4879 Pulmonary involvement in children with rheumatic diseases
E. Nural Kiper (ANKARA, Turkey), Nagehan Emiralioglu, Ezgi Deniz Batu, Emine Sonmez, Gokcen Dilsa Tugcu, Serap Arici, Ebru Yalcin, Deniz Dogru, Ugur Ozcelik, Yelda Bilginer, Mithat Haliloglu, Seza Ozen, Nural Kiper

PA4880 Survival in CVD-ILD at Ege University Hospital
Nesrin Mogulkoc Bishop (ZM, R, Turkey), Nesrin Mogulkoc, Imrem Nesil, Aysu Sinem Koc, Zehra Erdemir, Selen Bayraktaroglu, Yasemin Kabasakal, Canan Gunduz, Pervin Korkmaz Ekren, Feza Bacakoglu

PA4881 Clinical characteristics of 30 patients with interstitial pneumonia associated with anti-aminocyl-tRNA-synthetase antibodies

PA4882 Constrictive (obliterative) bronchiolitis as presenting manifestation of connective tissue disease
Antonella Arcadu (Sassari, Italy), Antonella Arcadu, Jay Ryu

PA4883 Clinical features of usual interstitial pneumonia-correlation with idiopathic pulmonary fibrosis and connective tissue disease associated with usual interstitial pneumonia
Nevena Djukic (Novi Sad, Republic of Serbia), Nevena Djukic, Zora Pavlovic-Popovic, Bojan Zarić, Marija Vukoja, Milana Panjkić, Dragan Dragić

PA4884 Cytokine profile in bronchoalveolar lavage fluid of fibrotic idiopathic interstitial pneumonias compared to fibrotic interstitial pneumonias in connective tissue diseases
Martina Kolbeková (Praha, Czech Republic), Martina Kolbeková, Martina Šterclíková, Magdalena Smetková, Peter Paluch, Jan Anton, Jelena Skibová, Martina Vašáková

PA4885 Are risk predicting models useful for estimating survival in rheumatoid arthritis-associated interstitial lung disease?
Hanna Nurmi (Kuopio, Finland), Hanna Nurmi, Minna Purokivi, Miai Kärkäinen, Hannu-Pekka Kettunen, Tuomas Selander, Riitta Kaarteenaho
**Rituximab in severe, progressive interstitial lung disease**
Maria Kokosi (LONDON, United Kingdom), Maria Kokosi, Gregory J. Keir, Tamera J. Corte, Lauren Troy, Peter Saunders, Felix Chua, Toby M. Maher, Elisabetta A. Renzoni, Athol U. Wells

**Usual interstitial pneumonia preceding rheumatoid arthritis: Clinical, imaging, and histopathologic features**
Yutaka Tsuchiya (Tokyo, Japan), Yutaka Tsuchiya, David Lynch, Takeshi Jokoh, Thomas Colby, Junya Fukuoka, Ryoko Egashira, Hiromitsu Sumikawa, Takenori Okada, Jeffrey Swigris, Joshua Solomon

**Serum surfactant protein D is a potential biomarker of lung damage in systemic sclerosis**
Riccardo Messina (Palermo, PA, Italy), Riccardo Messina, Alida Benfante, Daniela Castiglia, Claudia I. Gruttad’Auria, Nicola Scicchilone

**A acute hyperoxic challenge improves haemodynamics & Pulmonary vascular stiffness in interstitial lung disease-associated pulmonary hypertension**
Peter George (London, United Kingdom), Peter George, Tristan Huie, Jeff Swigris, Kern Buckner, Kevin Brown, Brett Fenster

**Combining an epithelial repair factor and anti-fibrotic with a corticosteroid offers optimal treatment for the pathogenesis of allergic airways disease**
Krupesh Patel (Glen Waverley, Australia), Krupesh Patel, Chrishan Samuel, Simon Royce

**Neutrophils in bronchial mucosa, sputum and blood after administration of the CXCR2-antagonist AZD5069 - An exploratory study in neutrophilic asthma**
Henrik Watz (Grosshansdorf, Germany), Henrik Watz, Anne Kirsten, Frauke Pedersen, Torsten Goldmann, Florian Stelmacher, Mohib Uddin, Bengt Larsson, Gerhard Böttcher, Anna Malmgren, Marteen Kraan, Klaus Rabe

**Roflumilast but not dexamethasone or fluticasone reduces neutrophilic airway inflammation and hyperreactivity in a murine influenza-induced asthma exacerbation model**
Cornelia Tilp (Biberach an der Riss, Germany), Cornelia Tilp, Hannes Bucher, Eva Wex, Klaus Erb

**BmTI-A, a serine protease inhibitor, reduces extracellular matrix remodelling in chronic allergic lung inflammation in a mice model**

**A fixed combination of thyme and primula dry extracts normalizes goblet cell hyperplasia and MUC5AC formation in vivo and in vitro**
Jan Seibel (Neumarkt i.d.OPf., Germany), Jan Seibel, Aldo Ammendola, Martin Lehner

**Effects of phosphoinositide-3-kinase inhibitors on steroid-insensitive airway inflammation in poly(I:C) and allergen challenged mice**
Genki Kimura (Funabashi, Japan), Genki Kimura, Yuki Nishimoto, Keitaro Ueda, Takahiro Nakaoki, Takashi Masuko, Peter J. Barnes, Kazuhiro Ito, Yasuo Kizawa

**Enrichment of the Janus kinase (JAK) activation signature in severe asthma sputum: Correlation with IL-13 expression**
Stelios Pavlidis (London, United Kingdom), Stelios Pavlidis, Ian Adcock, Fan Chung, Anthony Rowe, Christos Rossios, Ioannis Pandis, Ratko Djukanovic, Peter Sterk, Yike Guo, Coen Wiegman

**Relationship between mitochondrial function and cellular ageing depends upon compartment analysed**
Stelios Pavlidis (London, United Kingdom), Stelios Pavlidis, Fan Chung, Anthony Rowe, Ioannis Pandis, Ratko Djukanovic, Peter Sterk, Yi-ke Guo, Ian Adcock

**Adrenal insufficiency in asthma patients – Who is at risk?**
Sam Roberts (Leeds, United Kingdom), Sam Roberts, Tim Sutherland, Jane Slough, Rhodri King, Robert Murray, Ian Clifton

**TNFAIP3 (A20) expression is elevated in the sputum of severe asthmatics**
Stelios Pavlidis (London, United Kingdom), Stelios Pavlidis, Fan Chung, Anthony Rowe, Ioannis Pandis, Ratko Djukanovic, Peter Sterk, Yike Guo, Ian Adcock

**Omalizumab, airway obstruction and remodeling**
Michela Maria Belloccia (Turin, Italy), Michela Maria Belloccia, Renza Ambrosanio, Filippo Patrucco, Giulia Verri, Lorena Mercante, Monica Boita, Giuseppe Tabbia, Alessio Mattei, Paolo Solidoro, Caterina Bucci
**Modulation of inflammation by benralizumab in eosinophilic airway disease**
Paul Newbold (Gaithersburg, United States of America), Paul Newbold, Hao Liu, Tuyet-Hang Pham, Gautam Damera, Sriram Sridhar

**Budesonide/formoterol maintenance and reliever therapy in adolescent patients with asthma**
Carin Jorup (Mölndal, Sweden), Hans Bisgaard, Dan Lythgoe, Carin Jorup

**Tiotropium reduces oral prednisone requirements while improving respiratory function in patients with severe persistent asthma**
Bashir Omarjee (Saint-Denis/La Réunion, Reunion), Bashir Omarjee

**RPL554, an inhaled PDE3/4 inhibitor, causes comparable bronchodilation to high dose nebulised salbutamol in asthmatics with fewer systemic effects**
Leif Bjerner (Lund, Sweden), Leif Bjerner, Johnston Stewart, Katharine Abbott-Banner, Kenneth Newman

**Bronchial thermoplasty resulted in an increase of CD4+CD25+ regulatory T cells in severe asthma patients**
Mateja Marc Malovrh (Kranj, Slovenia), Mateja Marc Malovrh, Aleš Rozman, Sabina Škrgat, Mira Šilar, Julij Šelb, Peter Korosćec

**Dysphonia in asthmatic women using inhaled corticosteroids: It is not only a laryngeal inflammation**
Frédéric de Blay (Strasbourg, France), Frédéric de Blay, Christina Delmas, Elisabeth Peri, Michel Velten, Julie Petit-Thomas, Helene Kuntz, Philippe Schultz

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**Room ICC Capital Suite 9 Session 700 08:30 - 10:30**

**Poster Discussion: Burden of respiratory diseases: from environmental aspects to healthcare consumption**

*Tag(s):* Healthy Lungs for Life (HLfL)

*Chairs:* Isabella Annesi Maesano (Paris, France), Judith Garcia Aymerich (BARCELONA, Spain)

**Associations between severity and duration of sleep-disordered breathing and brain tissue volume**
Erika Hagen (Madison, United States of America), Erika Hagen, Jodi Barnet, Sterling Johnson, Barbara Bendlin, Mary Morell, Amanda Rasmussen, Paul Peppard

**Traffic related air pollution and transplant failure**
Livia Pierotti (London, United Kingdom), Livia Pierotti, Dave Collet, Susie Schofield, Daniella’ Fecht, Kees De Hoogh, Anna Hansell, Paul Cullinan

**Trends in mortality from respiratory diseases in Greece during the financial crisis**
Filippos T Filippidis (London, United Kingdom), Filippos T. Filippidis, Vasiliki Gerovasili, Will D.-C. Man

**Burden and impact of hospital-acquired infections in patients with chronic lung disease**
Evangelos Kritsotakis (Sheffield, United Kingdom), Evangelos Kritsotakis, Flora Kontopidou, Eirini Astrapika, Maria Roumbelaki, Georgios-Michael Gourgoulis, Eleni Ioanidou, Emmanouil Bolikas, Achilles Gikas

**Burden of lung disease in the UK: findings from the British Lung Foundation’s ‘respiratory health of the nation’ project**
Noel Snell (Henley-on-Thames, United Kingdom), Noel Snell, David Strachan, Richard Hubbard, Jack Gibson, Elizabeth Limb, Ramyani Gupta, Alistair Martin, Michael Laffan, Ian Jarrold

**Geographical variation in the respiratory health of Great Britain**
Anna Hansell (London, United Kingdom), Rebecca Ghosh, Ioannis Bakolis, David Strachan, Anna Hansell

**Different impact of respiratory symptoms on health care consumption and daily life in Finland, Estonia and Sweden**
Sven-Arne Jansson (Umeå, Sweden), Sven-Arne Jansson, Malin Axelsson, Anne Lindberg, Annette Kainu, Eva Rönmark

**Longitudinal changes in prevalence of chronic bronchitis in rural people**
Punam Pahwa (Saskatoon, SK, Canada), Punam Pahwa, Masud Rana, Chandima Karunanayaka, Louise Hagel, Valerie Elliot, Josh Lawson, Donna Rennie, Ambikaipakan Senthilvelan, James Dosman, Saskatchewan Rural Health Study Research Team

**Co-exposure between asbestos and inorganic particles and risk of lung cancer in the ARDCO study**
Jean-Claude Pairon (CRETEIL, France), Aude Lacourt, Christophe Paris, Bénédicte Clin-Godard, Antoine Gislard, François Laurent, Christos Chouaid, Soizick Chamming’s, Amanda Luc, Patrick Brochard, Jean-Claude Pairon

**Risk of cardiovascular comorbidities in patients with idiopathic pulmonary fibrosis: Analysis of Medicare data**
John Stauffer (Cupertino, United States of America), Michael Broder, Eunice Change, Elya Papoyan, Iona Popescu, Sheila Reddy, Karina Raimundo, Will Chou, John Stauffer
### Symposium: The stage I non-small-cell lung cancer
**Aims:** This session aims to provide a comprehensive and updated overview of issues related to early stage lung cancer that are still being debated. These issues include the optimal diagnostics, the benefits of molecular diagnostics and biomarkers, the factors that influence the treatment outcome, and the rapidly changing spectrum of surgical options for stage I NSCLC.

**Track(s):** Oncology
**Tag(s):** Clinical

**Target audience:** Oncologist, Pulmonologist, Radiologist, Thoracic surgeon

**Chairs:** Dragan R. Subotic (Belgrade, Republic of Serbia), Nicolas Schönfeld (Berlin, Germany)

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<td>Biological markers</td>
<td>Virginie Westeel (Besançon, France)</td>
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<td>11:15</td>
<td>Role of CT and PET in detecting non-aggressive stage I NSCLC</td>
<td>Walter De Wever (Leuven, Belgium)</td>
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<td>11:45</td>
<td>Wide therapeutic spectrum for limited disease: lobectomy vs. segmentectomy, and video-assisted thoracoscopic surgery (VATS) vs. open surgery</td>
<td>Martin Hürtgen (Koblenz, Germany)</td>
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<td>12:15</td>
<td>Survival predictors</td>
<td>Paul E. Van Schil (Edegem (Antwerp), Belgium)</td>
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### Symposium: Occupational lung disease worldwide
**Aims:** It is well known that industrial regulations and permissible exposure limits are rarely followed by the industries in developing countries. The reason for this is that more than 80% of the polluting industries belong to informal sectors. As a result, very little information is available at the government level regarding the numbers and structural and functional patterns of these industries and the kinds of materials that they use. Therefore, occupational respiratory diseases in developing countries largely remain undiagnosed or misdiagnosed. The evidence to date suggests that industry has an alarming effect on both the health of the workers and the economy of developing countries. The aim of this session is to highlight some of the current issues surrounding occupational respiratory problems in developing countries. Future research directions and treatment policies that will improve diagnosis and prevent occupational respiratory disease will be discussed.

**Track(s):** Epidemiology / Environment, Physiology
**Tag(s):** Healthy Lungs for Life (HLfL)

**Target audience:** Allergologist, Allied health professional, Clinician, Educationalist, Engineer, Epidemiologist, Fellow, Immunologist, Junior member, Microbiologist, Occupational therapist, Oncologist, Pathologist, Patient, Pharmaceutical industry representative, Physiologist, Public health official, Pulmonologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Social worker, Student, Trainee

**Chairs:** Elizabeth Fireman (Tel-Aviv, Israel), Johanna Feary (London, United Kingdom)

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<tr>
<td>10:45</td>
<td>Asbestos in developing countries: a never-ending issue</td>
<td>Arthur L. Frank (Philadelphia, United States of America)</td>
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**Room L**  
Session 705  
10:45 - 12:45

**Symposium: Clinical relevance of COPD phenotyping**

**Aims**: COPD is an important disease worldwide. However, the current treatments for COPD still lack sufficient efficacy, especially in terms of preventing disease progression and treating advanced stage disease. A better knowledge and understanding of the different COPD phenotypes will lead to a better understanding of the treatment choices; it will also help to promote the development of other treatments in the future. The main aims of the session are to describe the different phenotypes of COPD and the importance of these phenotypes for selecting the best treatments. Moreover, leading experts in the field will provide an update on the current and future treatment options for COPD.

**Track(s)**: Physiology

**Tag(s)**: Clinical

**Target audience**: Clinician, Fellow, General practitioner, Intensivist/critical care physician, Junior member, Lung function technician, Nurse, Pathologist, Patient, Physiologist, Physiotherapist, Public health official, Pulmonologist, Radiologist, Researcher, Resident, Respiratory physician, Respiratory therapist, Scientist, Student, Thoracic endoscopist, Thoracic surgeon, Trainee

**Chairs**: Dirk-Jan Slebos (Groningen, Netherlands), Huib A.M. Kerstjens (Groningen, Netherlands)

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<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Location</th>
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<tbody>
<tr>
<td>10:45</td>
<td>The different faces of COPD</td>
<td>James Hogg (Vancouver, Canada)</td>
<td>Room L</td>
<td>4934</td>
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<tr>
<td>11:15</td>
<td>Cell and molecular phenotypes of COPD</td>
<td>Guy Brusselle (Ghent, Belgium)</td>
<td>Room L</td>
<td>4935</td>
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<tr>
<td>11:45</td>
<td>Treatable trades of COPD</td>
<td>Wisia Wedzicha (London, United Kingdom)</td>
<td>Room L</td>
<td>4936</td>
</tr>
<tr>
<td>12:15</td>
<td>Bronchoscopic treatment of COPD</td>
<td>Pallav L. Shah (London, United Kingdom)</td>
<td>Room L</td>
<td>4937</td>
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</tbody>
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**Room A**  
Session 706  
10:45 - 12:45

**Session: London Respiratory Network**

Overcoming the trend to increasing specialisation to benefit patients with complex respiratory needs

**Aims**: Although the competence and scope of primary and community care is increasing, the majority of patients in our hospitals today have complex problems that challenge our current ways of working. This symposium draws on the knowledge and experience of the London Respiratory Network, which represents the professionals who are interested in respiratory health in this city of 8 million people. In London, £685 million is spent every year on respiratory care. Despite this, there is still room to improve respiratory outcomes. This session focuses on children and adults with complex needs and provides some scalable exemplars of good practice.

**Chairs**: Stefano Nardini (Vittorio Veneto, TV, Italy), Noel Baxter (London, United Kingdom)

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<tbody>
<tr>
<td>10:45</td>
<td>Unravelling the problems of obese children with breathing disorders</td>
<td>Andrew Bush (LONDON, United Kingdom)</td>
<td>Room A</td>
<td>4938</td>
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<tr>
<td>11:15</td>
<td>Improving the outcomes of people with severe mental illness by addressing their tobacco dependence</td>
<td>Paul Rowlands (Derbyshire, United Kingdom)</td>
<td>Room A</td>
<td>4939</td>
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<tr>
<td>11:45</td>
<td>The contemporary case conference: the value of inter-disciplinary work for people with COPD and multiple morbidities</td>
<td>Louise Jane Rестrick (London, United Kingdom)</td>
<td>Room A</td>
<td>4940</td>
</tr>
<tr>
<td>12:15</td>
<td>It is the most frightening thing that I have ever experienced</td>
<td>Irene Higginson (London, United Kingdom)</td>
<td>Room A</td>
<td>4941</td>
</tr>
</tbody>
</table>

**Room B**  
Session 707  
10:45 - 12:45

**Symposium: Complex breathing disorders during sleep**
Aims: This session will focus on an exciting and increasingly important area for pulmonologists and sleep specialists, namely, patients with complex breathing disorders during sleep that are related to obesity hypoventilation, opioid-induced sleep apnoea, overlap syndrome, and obstructive sleep apnoea that relates to neuromuscular disorders.

Track(s): Physiology, Sleep

Tag(s): Clinical

Target audience: Allied health professional, Cardiologist, Pulmonologist, Respiratory physician, Respiratory therapist, Sleep specialist/technologist, Trainee

Chairs: Oana Claudia Deleanu (Bucarest, Romania), Stefan Andreas (Immenhausen, Germany)

10:45 The spectrum of complex breathing disorders during sleep
Rami Khayat (Colombus, United States of America)

11:15 Interaction between obesity, pulmonary disease and sleep-disordered breathing (SDB)
Jean-Louis Pépin (Grenoble, France)

11:45 The role of the "central" component in the pathophysiology of complex breathing disorders during sleep
Johan Verbraecken (Edegem (Antwerp), Belgium)

12:15 Therapeutic approach to complex breathing disorders during sleep
Winfried J. Randerath (Solingen, Germany)

Platinum Room 1+2 Session 708 10:45 - 12:45

Symposium: COPD exacerbations: what we knew, what we just learned and what we still need to find out

Aims: There is intense research in new modalities of pharmacologic and non-pharmacologic treatment of exacerbations of COPD. This session will review the current concepts of diagnosis and etiology of exacerbations and will provide an overview of the new clinical trials of treatments for patients with exacerbations of COPD. In addition, the impact of non-pharmacological strategies, such as smoking cessation, non-invasive mechanical ventilation and others on the evolution of exacerbations will be updated.

Tag(s): Clinical

Chairs: John R Hurst (London, United Kingdom)

10:45 Diagnostic, aetiology and assessment of exacerbations
Alberto Papi (FERRARA, Italy)

11:15 Recent pharmacological developments in care
Antonio R. Anzueto (San Antonio, United States of America)

11:45 Non-pharmacological treatment: old lessons, new options
Peter M. A. Calverley (Liverpool, United Kingdom)

12:15 Panel discussion

Platinum Room 3+4 Session 709 10:45 - 12:45

Oral Presentation: Molecular immunology of the lung

Chairs: Marco Idzko (Freiburg, Germany), Clare Lloyd (London, United Kingdom)

OA4950 LATE-BREAKING ABSTRACT: Impact of demographics and comorbidities on periostin and eosinophil levels
Cecile Holweg (South San Francisco, United States of America), Jochen Brumm, Carol Chung, Akiko Chai, Evan Tan, Irene Braithwaite, Richard Beasley, Julie Olsson, John Matthews, Cecile Holweg

OA4951 LATE-BREAKING ABSTRACT: Serum periostin as a valuable biomarker of comorbid chronic rhinosinusitis in patients with asthma
Takamitsu Asano (Nagoya, Japan), Takamitsu Asano, Yoshihiro Kanemitsu, Masaya Takemura, Makoto Yokota, Kensuke Fukumitsu, Norihisa Takeda, Hiroya Ichikawa, Shoichiro Ohta, Yoshihisa Nakamura, Kenji Izuhara, Motohiko Suzuki, Akio Niimi

OA4952 LSC Abstract - Defect in the translational control of cytokines leading to hyperresponsive bronchial epithelial cells in asthmatics
Abilash Ravi (Diemen, Netherlands), Abilash Ravi, Saheli Chowdhury, Annemiek Dijkhuis, Rene Lutter

OA4953 LSC Abstract - A human lung explant model of fibrogenesis for the assessment of anti-fibrotic strategies in idiopathic pulmonary fibrosis
Katy Roach (LEICESTER, United Kingdom), Katy Roach, Chris Newby, Y. Amrani, Peter Bradding
**Room C**

**Session 710**  
**10:45 - 12:45**

**Oral Presentation: IPF treatment II**

**Chairs:** Luca Richeldi (Southampton, United Kingdom), Ulrich Costabel (ESSEN, Germany)

**OA4958**  
**LATE-BREAKING ABSTRACT: Significant improvement in refractory chronic cough with inhaled PA101 in patients with idiopathic pulmonary fibrosis: Results from phase 2 trial**  
Ahmet Tutuncu (San Diego, United States of America), Surinder Birring, Marlies Wijsenbeek, Sanjay Agrawal, Ahmet Tutuncu, Alyon Morice

**OA4959**  
**No effect of baseline diffusing capacity of lung for carbon monoxide on benefit of nintedanib**  
Toby Maher (St. Albans, Hertfordshire, United Kingdom), Toby Maher, Kevin R. Flaherty, Yoshikazu Inoue, Luca Richeldi, Moïses Selman, Wibke Stansen, Susanne Stowasser, Athol Wells

**OA4960**  
**Long-term treatment with nintedanib in patients with IPF: An update from INPULSIS®-ON**  
Bruno Crestani (Paris, France), Bruno Crestani, Manuel Quaresma, Mitchell Kaye, Wibke Stansen, Susanne Stowasser, Michael Kreuter

**OA4961**  
**Clinical experience with nintedanib for IPF in 3 UK tertiary referral centres**  

**OA4962**  
**Effect of baseline statin use on benefit of nintedanib**  
Michael Kreuter (Heidelberg, Germany), Michael Kreuter, Ulrich Costabel, Luca Richeldi, Vincent Cottin, Daniel Wachtlin, Susanne Stowasser, Martin Kolb

**OA4963**  
**Relationship between nintedanib exposure and adverse events in patients with idiopathic pulmonary fibrosis**  
Ulrike Schmid (Biberach an der Riss, Germany), Ulrike Schmid, Benjamin Weber, Claudia Dallinger, Luca Richeldi, Christoph Hallmann, Ganesh Raghu, Matthias Freiwald

**OA4964**  
**Predicting life expectancy for pirfenidone and best supportive care (BSC) in idiopathic pulmonary fibrosis (IPF)**  
Mark Fisher (St Albans, United Kingdom), Mark Fisher, Toby M. Maher, Steven D. Nathan, Christian Hill, Jade Marshall, Fred Dejonkheere, Per-Olof Thuresson, Nitya Mathew

**OA4965**  
**Predictors of response to pirfenidone treatment in patients with idiopathic pulmonary fibrosis (IPF)**  
Elisabetta Balestro (Padova, Italy), Elisabetta Balestro, Graziella Turato, Davide Biondini, Sofia Pavanello, Alessia Fraccaro, Chiara Rigobello, Erica Bazzan, Manuela Campisi, Simonetta Baraldo, Manuel Cosio, Marina Saetta, Paolo Spagnolo

**Room G**

**Session 711**  
**10:45 - 12:45**

**Oral Presentation: Monitoring airway diseases with different tools**

**Chairs:** Renaud Louis (LIEGE, Belgium), Paul Brinkman (Amsterdam, Netherlands)

**OA6005**  
**Introduction talk: Guiding treatment strategies in asthma: Which is best recipe?**  
Renaud Louis (LIEGE, Belgium)

**OA4967**  
**The relationship between presence of small airways disease and baseline characteristics of asthma and COPD patients**  
Marija Kojicic Vukoja (Sremska Kamenica, Republic of Serbia), Marija Kojicic Vukoja, Dragana Milicic, Miroslav Ilic, Ivan Kopitovic

**OA4968**  
**Validation of impulse oscillometry R5-R20 as a small airways dysfunction detection tool in adult asthma**  
Marcia Soares (Leicester, United Kingdom), Marcia Soares, Rafael Bordan, James Thorpe, Brendan Timmerman, Christopher Brightling, David Kay, Kelly Burrowes, Owens-Bradley John, Salman Siddiqui
Influence of written action plans and patient education on future hospital admissions - Results from the disease management program (DMP) asthma in the North Rhine region in Germany

Arne Weber (Köln, Germany), Arne Weber, Bernd Hagen, Sabine Groos, Jens Kretschmann

Calculation of peripheral airspace dimensions from deposition of inhaled nanoparticles

Jakob Löndahl (Lund, Sweden), Jakob Löndahl, Jonas Jakobsson, David M. Broday, Laura H. Aaltonen, Per Wollmer

Optical coherence tomography for human airway wall layer identification and quantification

Julia d’Hooghe (Amsterdam, Netherlands), Julia N.S. d’Hooghe, Daniel M. de Bruin, Joris J.T.H. Roelofs, Jouke T. Annema, Peter I. Bonta

Limitations of nasal nitric oxide as a screening method of primary ciliary dyskinesia in childhood

Maria Teresa Romero Rubio (Valencia, Spain), Maria Teresa Romero Rubio, Prieto Andrés Jesús Luis, Armengot Carceller Miguel, Escrilibano Montaner Amparo

Self-efficacy in patients with COPD using an online selfmanagement program

Geertje de Boer (Rotterdam, Netherlands), Geertje de Boer, Bianka Mennema, Esther van Noort, Erwin Birnie, Johannes In ‘t Veen

Room D

Session 712 10:45 - 12:45

Oral Presentation: Emerging concepts in lung disease pathogenesis

Chairs: Mark Gjomarkaj (Palermo, Italy), Pieter S. Hiemstra (Leiden, Netherlands)

Late-breaking abstract: Airway recruitment and anti-viral function of dendritic cells in asthmatic patients during RV-16 infection

Aoife Cameron (London, United Kingdom), Aoife Cameron, Jaideep Dhariwal, Sebastian Johnston, Ross Walton

The novel myokine irisin interacts with hyaluronic acid in a cell-specific way and in association with COPD progression and severity

Eleni Papakonstantinou (Thessaloniki, Greece), Eleni Papakonstantinou, Michael Roth, Jyotshna Mandal, Michael Tamm, Daiana Stolz

Rhinovirus-induced IL-33 expression in asthmatic airway smooth muscle cells is TLR3-dependent and involves activation of TAK1

Jenny Calvén (Lund, Sweden), Jenny Calvén, Hamid Akbarshahi, Sangeetha Ramu, Charalambos Michaeloudes, Kian Fan Chung, Lena Uller

The key role of microRNA-34a in the reduction of sirtuin-1 in COPD

Jonathan R. Baker (London, United Kingdom), Jonathan Baker, Tom Colley, Kaz Ito, Peter Barnes

Involvement of ferroptosis in COPD pathogenesis

Masahiro Yoshida (Tokyo, Japan), Masahiro Yoshida, Shunsuke Minagawa, Jun Araya, Hiromichi Hara, Nayuta Saito, Nahoko Sato, Kazuya Tsubouchi, Yusuke Kurita, Kenji Kobayashi, Saburo Ito, Takanori Numata, Yumi Kaneko, Katsutoshi Nakayama, Kazuyoshi Kuwano

SH2 domain-containing phosphatase-SHP-2 is a novel anti-fibrotic regulator in pulmonary fibrosis

Argyris Tzouveleikis (ATHENS, Greece), Argyris Tzouveleikis, Guoying Yu, Jose Herazo-Maya, Tony Woolard, Yi Zhang, Hojin Lee, Patty Lee, Erica Herzog, Anton Bennett, Naftali Kaminski

Axl receptor tyrosine kinase drives cell cycle re-entry and promotes symmetric cell division of airway basal cells in response to injury

Naoya Fujino (Molndal, Sweden), Naoya Fujino, Toshifumi Fujimori, Rose Maciewicz, Tracy Russell

Hidden dangers of e-cigarettes: Airway macrophage dysfunction and altered inflammatory response

Miranda Ween (Adelaide, Australia), Miranda Ween, Paul Reynolds, Sandra Hodge

Room M

Session 713 10:45 - 12:45

Oral Presentation: Paediatric respiratory infection and immunology

Chairs: Mark Everard (Perth, Australia), Ricardo Fernandes (Lisbon, Portugal)

Late-breaking abstract: The impact of a persistent bacterial bronchitis on the pulmonary microbiome of children

Vanessa Craven (Sheffield, United Kingdom), Leah Cuthbertson, Heather Elphick, Lynne Bingle, William Cookson, Mark Everard
A randomized controlled trial examining high-flow oxygen in the management of infants with moderate bronchiolitis
Elizabeth Kepreotes (Newcastle, NSW, Australia), Elizabeth Kepreotes, Bruce Whitehead, John Attia, Christopher Oldmeadow, Adam Collison, Bernadette Goddard, Mark Lee, Linda Cheese, Jodi Hilton, Michael Anascoome, Michael Zhang, Mark Kepreotes, Lynelle Jenkinson, Camilla Askie, Leanne Lehrle, Laurence Roddick, Tanya Gulliver, Joerg Mattes

Metabolomic analysis of infectious parapneumonic effusions reveals biomarkers for management of children with streptococcus pneumoniae pneumonia
Chih-Yung Chiu (Keelung, Taiwan), Chih-Yung Chiu, Gigin Lin, Mei-Ling Cheng, Meng-Han Chiang, Shen-Hao Lai, Kin-Sun Wong

Detection of respiratory syncytial virus in cord blood mononucleocytes is most prevalent in samples from winter births
Angela Fonccea (Subiaco, Australia), Angela Fonccea, Abha Chopra, Avram Levy, Matthew Wee-Peng Poh, Paul Noakes, Natasha Bear, Susan Prescott, Mark Everard

Nasal airway epithelial cells cytokine responses in children stratified by asthma and atopy
Stephen Turner (Aberdeen, United Kingdom), Stephen Turner, Danielle Spiteri, David Miller, Alison Scaife, Graham Devereux, Garry Walsh

Detection of respiratory syncytial virus in cord blood mononucleocytes is most prevalent in samples from winter births
Angela Fonccea (Subiaco, Australia), Angela Fonccea, Abha Chopra, Avram Levy, Matthew Wee-Peng Poh, Paul Noakes, Natasha Bear, Susan Prescott, Mark Everard

TSLP and periostin in infants with viral bronchiolitis
Ana Moreira (Madrid, Spain), Ana Moreira, Mª Luz García, Cristina Calvo, Sergio Quevedo, Francisco Pozo, Inmaculada Casas, Victoria del Pozo

Microbiota in children with HIV-associated bronchiectasis
Refiloe Masekela (Pretoria, South Africa), Refiloe Masekela, Solize Volsoo, Robin Green, Fanus Venter

Vasculotide reduced pulmonary hyperpermeability in pneumococcal pneumonia
Birgitt Gutbier (BERLIN, Germany), Birgitt Gutbier, XiaoHui Jiang, Carolin Ehler, Tim J. Mitchell, Norbert Weissmann, Paul Van Slyke, Dan J. Dumont, Norbert Suttorp, Martin Witzenrath

Pneumococcal pneumonia in baboons; a novel translational science model
Luis F Reyes (San Antonio, United States of America), Luis Reyes, Cecilia Hinojosa, Nilam Soni, Carlos Orihuela, Marcos Restrepo

Fluticasone propionate alters the respiratory tract microbiota and has dose-related effects on anti-bacterial host defence
Aran Singanayagam (London, United Kingdom), Aran Singanayagam, Nicholas Glanville, Phillip James, Leah Cuthbertson, Nathan Bartlett, Miriam Moffatt, William Cookson, Sebastian Johnston

An alternative method to the infection detection for differentiation of 3 and 4 MRGN germs by use of GC IMS
Gunther Becher (Bern, Switzerland), Gunther Becher, Roman Purkhart, Tobias Raessler, Werner Schueler, Claus Steppert

Associations between haemophilus influenzae and levels of sputum antimicrobial peptides in COPD
Louise Persson (Bergen, Norway), Louise Persson, Marianne Aanerud, Jon A. Hardie, Per S. Bakke, Tomas M. Eagan, Pieter S. Hiemstra

Cigarette smoke inhibits bacteria-induced FABP5 expression by preventing c-Jun binding to FABP5 promoter
Fabienne Gally (Denver, United States of America), Fabienne Gally, Deviyani Rao, Anne-Laure Perraud, Carsten Schmitz

A comparative study of pulmonary host defense in murine obesity models: Important insights into neutrophil function
Niki D. J. Ubags (Maastricht, Netherlands), Niki Ubags, Elianne Burg, Maryellen Antkowiak, Aaron Wallace, Estee Dilli, Jenna Remée, Matthew Wargo, Matthew Poynter, Emiel Wouters, Benjamin Suratt

LATE-BREAKING ABSTRACT: Effects of a single treatment with PC 786, a novel inhibitor of respiratory syncytial virus replication, on viral load and biomarkers in fully differentiated human bronchial epithelial cells
Kazuhiro Ito (London, United Kingdom), Kazuhiro Ito, Matthew Coates, Heather Allen, John Ayrton, Amanda Davis, Mark Hows, Pete Strong, Garth Rapeport, Kazuhiro Ito

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**LATE-BREAKING ABSTRACT**: The impact of comorbidities on all-cause mortality among subjects with and without airway obstruction

Sami Sawalha (Boden, Sweden), Sami Sawalha, Linnea Hedma, Helena Backman, Eva Rönmark, Bo Lundbäck, Anne Lindberg

Menopause is associated with accelerated lung function decline in the longitudinal European community respiratory health survey

Kai Triebner (Bergen, Norway), Kai Triebner, Bobette Matulonga, Ane Johannessen, Sandra Suske, Luca Puggini, Judith Garcia Aymerich, Eva Lindberg, Vivi Schlünsen, Jesús Martínez Moratalla Rovira, Nerea Muniozguren Agirre, Chantal Raherison, Isabella Pin, Pascal Demoly, Mathias Holm, Rain Jögi, Karl A. Franklin, Bryndis Benediktsdottir, Debbie Jarvis, Cecile Svanes, Joachim Heinrich, Jordi Sunyer, Nicole Probst-Hensch, Shyamali C. Dharmage, Steinar Hustad, Bénédicte Leynaert, Francisco Gómez Real

Prognostic significance of large airway measures on computed tomography (CT) in the general population: The MESA-lung study

Elizabeth Oelsner (New York, United States of America), Elizabeth Oelsner, Eric Hoffman, Benjamin Smith, Erin Michos, David Jacobs, Ravi Kalhan, Daniel Rabinowitz, R. Graham Barr

Abdominal adiposity measured by ultrasound and pulmonary function: A cross-sectional analysis nested in a birth cohort

Ana Maria Menezes (PELOTAS/RS, Brazil), Ana Maria Menezes, Paula D. de Oliveira, Fernando C. Wehrmeister, Rogelio Pérez-Padilla, Helen Gonçalves, Maria Cecília F. Assunção, Bernardo L. Horta, Denise P. Gigante, Fernando C. Barros

Lung function in postmenopausal women from the UK Biobank

Andre Amaral (London, United Kingdom), Andre Amaral, David Strachan, Francisco Gomez Real, Peter Burney, Deborah Jarvis

Long-term physical activity pattern and lung function in European adults

Elaine Fuertes (Munich, Germany), Elaine Fuertes, Josep M. Antó, Roberto Bono, Anne-Elie Carsin, Shyamali Dharmage, Thorarinn Gislason, Deborah Jarvis, Ane Johannessen, Joachim Heinrich, Bénédicte Leynaert, Alessandro Marcon, Wasif Raza, Francisco Gomez Real, Melissa Russell, Cecile Svanes, Judith Garcia Aymerich

Methylated CpGs in early life predict lung function in subsequent periods

Shadia Khan Sunny (Memphis, United States of America), Shahid Khan Sunny, Akhiles Kaushal, Hongmei Zhang, S. Hasan Arshad, John W. Holloway, Wilfried Karmann

Differentially methylated genes related to gestational age are also expressed during fetal lung development

Simon Kebede Merid (Stockholm, Sweden), Simon Kebede Merid, Cheng-Jian Xu, Mariona Bustamante, Nour Baiz, Isabella Annesi-Maesano, Josep M. Antó, Jean Bousquet, Olena Gruzieve, Juha Kere, Ashish Kumar, Göran Pershagen, Dirkje Postma, Jordi Sunyer, Cilla Söderhäll, Kelan Tantisira, Scott T. Weiss, Gerard H. Koppelman, Erik Melén

Room ICC Capital Suite  Session 716  10:45 - 12:45

Poster Discussion: Notable abstracts on clinical problems related to asthma

Chairs: Arnaud Bourdin (Montpellier, France), Chung-Wai Chow (Toronto, ON, Canada)

PA5005 Study the role of eNO-synthasegene polymorphism in patients with asthma and obesity

Tamaara Pasieleshvili (Kharkiv, Ukraine), Tamara Pasieleshvili, Nataliya Zheleznyakova

PA5006 Inhalation technique education in asthma or COPD: The value of a visual instruction card

Anneke H.M. Kemerink (Groningen, Netherlands), Anneke Kemerink, Luc H. Steenhuis, Titia J. Klemmeier, J. Sebastiaan Vroegooij, Siebrig Schwieker

PA5007 Application of impulse oscillometry and bronchial dilation test for analysis in patients with asthma and chronic obstructive pulmonary disease

Ping Wang (Beijing, China), Ping Wang

PA5008 Mapping out asthma in the out-patient clinic - The MAPOUT II study

Asger Sverrild (Copenhagen, Denmark), Asger Sverrild, Vibeke Backer, Celeste Porsbjerg

PA5009 Phenotypic characteristics of asthma with small airways involvement

Benjamine Delcasso (LYON, France), Benjamine Delcasso, Jean-Marc Dot, Jean-Michel Peloni, Gilles Devouassoux

PA5010 A Study of misdiagnosing eosinophilia as bronchial asthma at a tertiary health care centre

Darshan Kumar Bajaj (LUCKNOW (UTTAR PRADESH), India), Darshan Kumar Bajaj, Abhishek Dubey, Surya Kant, Mona Asnani
**Evaluation of fatigue state with virus-related novel biomarkers in obstructive lung diseases**


**Improved characterization of obstructive airways diseases by parameterization of specific resistance loops**

Marko Topalovic (LEUVEN, Belgium), Marko Topalovic, Vasilios Exadaktylos, Geert Celis, Jean-Marie Aerts, Thierry Troosters, Wim Janssens

**Human neutrophil gelatinase-associated lipocalin: A new biomarker in asthma-COPD overlap syndrome**

Serap Duru (ANKARA, Turkey), Serap Duru Akçali, Bahar Kurt, Fatma Uçar, Esra Erdemir, Emine Alay

**A predictive model of failed stepping down of inhaled corticosteroids in adult asthmatics**

Katsuyuki Tomita (Yonago, Japan), Katsuyuki Tomita, Hirokazu Touge, Shizuka Nishii, Hiromitsu Sakai, Akira Yamazaki, Eiji Shimizu

**Optimal cut-off value and clinical usefulness of adherence starts with knowledge-12 (ASK -12) in asthmatic patients taking inhaled corticosteroid**

Masaya Takemura (Nagoya, Japan), Masaya Takemura, Masayuki Nishio, Kensuke Fukumitsu, Norihisa Takeda, Hiroya Ichikawa, Takamitsu Asano, Hsatoshi Hijikata, Yoshihiro Kanemitsu, Takehito Uemura, Osamu Takakuwa, Hirotsugu Okahbo, Ken Maeno, Yutaka Ito, Atsushi Nakamura, Kosho Yoshikawa, Akio Niimi

**Cognitive impairment in patients with eosinophilic granulomatosis with polyangiitis (EGPA): Service evaluation in a regional severe asthma centre in North-west England**

Sarah Diver (Stockport, United Kingdom), Sarah Diver, Binita Kane, Dorothy Ryan, Leanne Jo Holmes, Steve Fowler, Robert Niven

**Adherence to asthma medication and preferences for once-daily treatment: Importance of treatment intrusiveness and patient beliefs**

Sarah Chapman (London, United Kingdom), Sarah Chapman, Peter Dale, Henrik Svedsater, Gillian Stynes, Nicola Vyas, David Price, Rob Horne

**Risk factors of postoperative pulmonary complications in bronchial asthma and COPD patients**


**Adapted from cardiopulmonary interaction to locomotor muscles and dyspnoea in health and disease**

Chairs: Esther Barreiro Portela (Barcelona, Spain), Nick Hopkinson (LONDON, United Kingdom)

**Intrinsic mitochondrial function in COPD is not impaired in lower limb skeletal muscle**

Bhavesh Popat (LEICESTER, United Kingdom), Bhavesh Popat, Tim Constantin, Despina Constantin, Lorna Latimer, Charlotte Bolton, Paul Greenhaff, Michael Steiner

**Usefulness of the forced oscillation technique in diagnosing asthma-COPD overlap syndrome**

Toshiiro Shirai (Shizuoka, Japan), Toshiiro Shirai, Keita Hirai, Taisuke Akamatsu, Takahito Suzuki, Ichiro Hayashi, Akito Yamamoto, Takafumi Akita, Satoru Morita, Kazuhiro Asada

**High burden of A. fumigatus among chronic respiratory diseases**

Yosuke Fukuda (Tokyo, Japan), Yosuke Fukuda, Shintaro Suzuki, Tetsuya Homma, Hironori Sagara

**Room ICC Capital Suite**

**Session 717**

**10:45 - 12:45**

**Poster Discussion: From cardiopulmonary interaction to locomotor muscles and dyspnoea in health and disease**

**Chairs:** Esther Barreiro Portela (Barcelona, Spain), Nick Hopkinson (LONDON, United Kingdom)

**Intrinsic mitochondrial function in COPD is not impaired in lower limb skeletal muscle**

Bhavesh Popat (LEICESTER, United Kingdom), Bhavesh Popat, Tim Constantin, Despina Constantin, Lorna Latimer, Charlotte Bolton, Paul Greenhaff, Michael Steiner

**Usefulness of the forced oscillation technique in diagnosing asthma-COPD overlap syndrome**

Toshiiro Shirai (Shizuoka, Japan), Toshiiro Shirai, Keita Hirai, Taisuke Akamatsu, Takahito Suzuki, Ichiro Hayashi, Akito Yamamoto, Takafumi Akita, Satoru Morita, Kazuhiro Asada

**Influence of bicarbonate on ventilatory drive in healthy subjects**

Eline Oppersma (Enschede, Netherlands), Eline Oppersmà, Jonne Doorduin, Johannes van der Hoeven, Peter Veltink, Leo Heunks
PA5026 Do COPD patients with only mild-to-moderate airflow obstruction present with endothelial dysfunction?
Joel Zelt (Kingston, ON, Canada), Joel Zelt, Trevor King, Daniel Hirai, Joshua Jones, Ingrid Rafferty, Luiza Castanhas, Kyra Pyke, Denis O’Donnell, J. Alberto Neder

PA5027 Combined hypoxia and inactivity: Effect on ventilatory demands during rest and exercise
Antonella LoMauro (Milan, Italy), Antonella Lo Mauro, Igor Mekiac, Andrea Aliverti

PA5028 Relationships between sarcopenia and pulmonary function, exercise capacity, and prognosis in patients with COPD
yukari sugiyama (Osaka, Japan), Yukari Sugiyama, Kuzuhisa Asai, Shinya Yoshida, Yohiko Kyomoto, Tamaki Kawamoto, Kanako Sato, Yoku Kureya, Atsuko Okamoto, Kuzuhiro Yamada, Naoko Yoshii, Tetsuya Watanabe, Masato Uji, Kazuto Hirata

PA5029 COPD influences on left heart wall stress — An analysis of the COSYCONET cohort
Peter Alter (MARBURG, Germany), Peter Alter, Henrik Watz, Tobias Welte, Sven Gläser, Holger Schulz, Robert Bals, Sandra Söhler, Annika Karch, Claus Vogelmeier, Rudolf Jörres

PA5030 Ventilatory adaptation to eccentric cycling in moderate to severe COPD patients
Ophélie Ritter (Besançon, France), Ophélie Ritter, Alicia Guillien, Nicolas Tordi, Laurent Mourot, Malika Bouhaddi, Davy Laroche, Delphine Besson, Jean-Marie Casillas, Bruno Degano

PA5031 Can the lung be obese? Lung tissue volume (VTiss) is elevated in severe obesity and reduced by bariatric surgery
Eva Rivas (Barcelona, Spain), Arnoldo Santos, Eva Rivas, Robert Rodriguez-Roisin, Jesus Ruiz-Cabello, Ebymar Arismendi, Jose G. Venegas

PA5032 Exercise-induced bronchoconstriction: New cellular and molecular mechanisms evaluated in 80 male marathon runners
Rodolfo de Paula Vieira (Sao Jose Dos Campos, Brazil), Rodolfo de Paula Vieira, Ana Paula Sierra, Manoel C. Oliveira-Junior, Francine M. Almeida, Marino Benetti, Rodrigo Oliveira, Soraya Nogueira, Isabella Santos Gennaro, Beatriz Mangueira Saravia-Romanhlo, Milton Arruda Martins, Nabil Ghorayeb, Maria Fernando Cury-Boaventura, João Bosco Pesqueiro, Maria Augusta Peduti Molin Kiss

PA5033 Impaired control of gait in patients with severe obstructive sleep apnea is reversed by continuous positive airway pressure treatment
Sébastien Bailleil (Echirolles, France), Sébastien Bailleil, Bernard Wuyam, Mathieu Marillier, Dominique Perennou, Jean-Louis Pepin, Samuel Verges

PA5034 COPD or not COPD: Answer in FEV1
Alicia Guillien (Besançon, France), Alicia Guillien, Marc Puyraveau, Thibaud Soumagne, Matthieu Veil-Picard, Pauline Roux, Stéphanie Guillou, Fabrice Rannou, Patrick Berger, Frédéric Mauny, Jean-Jacques Laplante, Jean-Charles Dalphin, Bruno Degano

PA5035 Pectoralis muscle area and skeletal muscle strength in patients with ILD
Pietro Merola (Porto Alegre, Brazil), Pietro Merola, Ricardo Gass, Rui Gustavo Paulus Dorneles, Marcelo Gazzana, Fernando Gazzoni, Bruno Hochhegger, Samuel Vergé, Danilo Berton

PA5036 Simple daily step count predicts long-term changes in arterial stiffness in symptomatic COPD patients
Motohiko MIURA (Sendai, Japan), Motohiko Miura, Toshiyasu Yatsu, Katsuya Takita, Musashi Abe, Ayumi Ito, Tatsuya Otsuka, Yuusuke Tashiro, Tomohiro Sakakibara

PA5037 Heliox moderates multidimensional domains of exertional dyspnoea in people with COPD
Toby Hunt (Adelaide, SA, Australia), Toby Hunt, Peter Frith, Gordon Ford, David Schembri, Marie Williams

PA5038 Links between exercise-induced asthma and allergies in children: Should we pay a little more attention to children who are breathless to the effort?
Kalomoira Kefala (Liège, Belgium), Kalomoira Kefala, Celine Hebette, Marie Fonteyn, Julie Harvengt, Marie-Christine Seghaye

PA5039 Inspiratory capacity manoeuvres may underestimate dynamic hyperinflation in patients with COPD; the explanation for apparent non-inflators
Yuanming Luo (Guangzhou, China), Yuanming Luo, Zhihui Qiu, Joerg Steier, Bailing He, Nanshan Zhong, John Moxham, Michael Polkey

PA5040 Noninvasive assessment of respiratory muscle strength and activity in myotonic dystrophy
GUILHERME FREGONEZI (NATAL/RN, Brazil), Guilherme Fregonezi, Morgana Araujo Evangelista, Fernando Dias, Mario Emilio Dourado Jr., Illia Nadine Dantas Florentino Lima, Vanessa Resqueti, Andrea Aliverti

Room ICC Capital Suite 7  Session 718  10:45 - 12:45
Poster Discussion: Pleural diseases
Chairs: Najib M. Rahman (Oxford, United Kingdom), Ales Rozman (Golnik, Slovenia)
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<th>PA5041</th>
<th>Position and size of tube chest drainage, what impact in pneumothorax outcome?</th>
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<td>Haifa Zaibi (Tunis, Tunisia), Lamia Missaoui, Haifa Zaibi, Aymen Ayari, Jihen Ben Amar, M. Ali Baccar, Salwa Azzebi, Besma Dhahri, Hichem Aouina</td>
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<th>PA5042</th>
<th>Contribution of PIPE Score on prognostic evaluation of idiopathic pleural effusions (IPE)</th>
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<td>Maria Alejandra Galarza Jimenez (Madrid, Spain), Maria Alejandra Galarza Jimenez, Esteban Pérez-Rodríguez, Paola Lucía Arrieta-Narváez, Rosa Mariela Mirambeaux-Villalonga, Patricia Castro-Acosta, Beatriz Martín-García, Ana Soledad Jaureguzar-Oriol</td>
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<th>PA5043</th>
<th>Thoracoscopic tetracycline poudrage for pleurodesis in malignant pleural effusion</th>
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<td>amr shoukri (Cairo, Egypt), Amr Shoukri</td>
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<th>PA5044</th>
<th>An review of infection rates of invasive pleural procedures</th>
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<td>Avinash Aujayeb (Newcastle Upon Tyne, United Kingdom), Anna Duffy, Avinash Aujayeb, David Cooper, Sean Parker, Jonathan Miller, Steve Bourke, Mark Weatherhead</td>
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<th>PA5045</th>
<th>Diagnostic yield of the new pleural biopsy needle ((E smat’s needle)) in exudative pleural effusion</th>
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<td>Ahmed Mansour (shibin elkom, Egypt), Ahmed Mansour, Noran Elbazzar</td>
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<th>PA5046</th>
<th>Comparison between bronchoscopy, closed (Abram’s) and medical thoracoscopic pleural biopsies in undiagnosed pleural effusions</th>
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<td>Davis Kizhakkepeedika Rennis (THRISSUR (KERALA), India), Davis Kizhakkepeedika Rennis, Jaboy Bibin</td>
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<th>PA5047</th>
<th>Local anaesthetic thoracoscopy: Evaluation of a thoracoscopy service in east dorset</th>
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<td>Michael Brown (Poole, United Kingdom), Michael Brown, Vijay Joshi, Ravi Punwani, Simon Crowther</td>
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<th>PA5048</th>
<th>What factors influence the duration of pneumothorax drainage?</th>
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<td>Haifa Hassine (Ariana, Tunisia), Lamia Missaoui, Haifa Hassine, Aymen Ayari, Besma Dhahri, M. Ali Baccar, Salwa Azzebi, Jihen Ben Amar, Hichem Aouina</td>
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<th>PA5049</th>
<th>Early consideration of definitive pleural palliation can reduce the number and duration of serial thoracentesis</th>
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<td>Candice Wilshire (Seattle, United States of America), Candice Wilshire, Carson Fuller, Rob Ely, Christopher Gilbert, Brian Louie, Ralph Aye, Alexander Farivar, Eric Vallieres, Jed Gorden</td>
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<th>PA5050</th>
<th>Descriptive analysis of thoracoscopic interventions in resource poor setting, Kandy, Sri Lanka</th>
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<td>Dushantha Madegedara (Peradeniya, Sri Lanka), Dushantha Madegedara, Hasanthi Herath</td>
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<th>PA5051</th>
<th>Level 2 single port local anaesthetic thoracoscopy for empyema - Complications and outcomes</th>
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<td>Parthipan Sivakumar (London, United Kingdom), Parthipan Sivakumar, Farinaz Noorzad, Liju Ahmed</td>
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<th>PA5052</th>
<th>Blunt dissection chest drains and indwelling pleural catheters - The trainee’s perspective</th>
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<td>Kate Millington (Bristol, United Kingdom), Kate Millington, Rachel Jones, Ari Manuel</td>
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Room ICC Capital Suite 8  Session 719  10:45 - 12:45

Poster Discussion: Airway pharmacology: drug targets and mode of action

Chairs: Akira Yamasaki (Yonago, Japan), Irene Heijink (Groningen, Netherlands)

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<th>PA5054</th>
<th>Prostacyclin IP receptor activation blocks hyperosmolar-induced bronchoconstriction in isolated human small airways</th>
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<td>Jesper Säfholm (Stockholm, Sweden), Jesper Säfholm, Johan Bood, Sven-Erik Dahlén, Mikael Adner</td>
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<th>PA5055</th>
<th>Monitoring local pulmonary cAMP levels: Combining precision cut lung slice (PCLS) and fluorescence resonance energy transfer (FRET) technologies in mice</th>
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<td>Martina Schmidt (Groningen, Netherlands), Martina Schmidt, Haoxio Zuo, Wilfred Jel Popinga, Viacheslav Nikolaev</td>
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<th>PA5056</th>
<th>Olodaterol attenuates bleomycin induced lung fibrosis in mice</th>
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<td></td>
<td>Franziska Herrmann (Biberach an der Riss, Germany), Franziska Herrmann, Stefan-Lutz Wollin, Florian Gantner, Eva Wex</td>
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<th>PA5057</th>
<th>Pharmacological characterization of the mechanism of action leading to synergism between glycopyrronium bromide and indacaterol fumarate</th>
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<td>Luigino Calzetta (Rome, Italy), Luigino Calzetta, Paola Rogliani, Ermanno Puxeddus, Josuel Ora, Francesco Facciolo, Maria Gabriella Matera, Mario Cazzola</td>
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<th>PA5058</th>
<th>Slow dissociation kinetics of LAMAs contribute to the functional interactions with LABAs</th>
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<td>Loes Kistemaker (Groningen, Netherlands), Reinoud Gosens, Carolina R.S. Elzinga, I. Sophie T. Bos, Herman Meurs, Loes E.M. Kistemaker</td>
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</table>
Increased expression of ADRB2, CHRM3 and glucocorticoid alpha receptor genes in blood leukocytes of COPD patients
Alexey Chukhlovkin (ST PETERSBURG, Russian Federation), Alexey Chukhlovkin, Olga Titova, Nikita Yolshin, Natalya Kuzanova

Neurokinin-1 receptor antagonism for the treatment of cough in lung cancer
Jaclyn Smith (Manchester, United Kingdom), Amelie Harle, Fiona Blackhall, Alex Molassiotis, Kim Holt, Rachel Dockry, Philip Russell, Katy Burns, Ryan Robinson, Mark Birrell, Maria Belvisi, Jaclyn Smith

Budesonide and fluticasone propionate exert different effects on human bronchial epithelial cells exposed to streptococcus pneumoniae and viral mimetic
Irene Heijink (Groningen, Netherlands), H. Irene Heijink, Marnix Jonker, Dirkje S. Postma, Maarten van den Berge

Pharmacological characterization of the anti-oxidant activity of N-acetylcysteine in an ex vivo model of COPD exacerbation
Paola Rogliani (Rome, Italy), Paola Rogliani, Josuel Ora, Luigino Calzetta, Gabriella Lucà, Maria Gabriella Matera, Mario Cazzola

Anti-inflammatory activity of the bradykinin B2R antagonist in a model of LPS-induced lung inflammation in cynomolgus monkey
Thierry Bouyssou (Warthenau, Germany), Thierry Bouyssou, Birgit Jung, Peter Nickolaus, Jeff Duan, Feihong Dai, Henri Doods

Effect of high, medium, and low molecular weight hyaluronan on inflammation and oxidative stress in an in vitro model of human nasal epithelial cells
Mirella Profita (Palermo, PA, Italy), Giusy D. Albano, Anna Bonanno, Luca Cavalieri, Eleonora Ingrassia, Caterina Di Sano, Liboria Siena, Loredana Riccobono, Rosalia Gagliardo, Mirella Profita

The combination of TNF- neutralization and dexamethasone treatment restored the corticosteroid responsiveness in tobacco smoking mice
Yuki Nishimoto (chiba, Japan), Yuki Nishimoto, Genki Kimura, Keitaro Ueda, Takahiro Nakaoki, Kazuhiro Ito, Yasuo Kizawa

Alpha-7 nicotinic receptor stimulation reduces airway inflammation in a murine model of asthma
Carla Prado (Santos, Brazil), Fernanda Paula Roncon Santana, Cláudia Jeane Claudino de Pontes Miranda, Nathália Montouro Pinheiro, Adenir Perini, Luciana Chagas Caperuto, Iolanda de Fátima Lopes Calvo Tibério, Marco Antônio Maximo Prado, Milton de Arruda Martins, Vânia Ferreira Prado, Carla Máximo Prado

WNT-4 regulates pro-inflammatory responses driven by epithelial-mesenchymal cross-talk
Anita I. R. Spanjer (Groningen, Netherlands), Anita I.R. Spanjer, Eline M. van Dijk, Jacobien A. Noordhoek, Corry-Anke Brandsma, Wim Timens, Dirkje S. Postma, Herman Meurs, Reinoud Gosens, Irene H. Heijink

Maintenance of IRF1 by MAPK inhibition: A mechanism by which DUSP1 reduces glucocorticoid inhibition of CXCL10
Robert Newton (Calgary, AB, Canada), Suharsh Shah, Mahmoud Mostafa, Mohammed Altonsy, Robert Newton

Central role for the TRPV4-ATP-P2X3 axis in sensory nerve activation and the late asthmatic response
Mark Birrell (London, United Kingdom), Mark Birrell, Sara J. Bonvini, Katie E. Baker, Bilel Dekkak, Anthony Ford, Montse Miralpeix, Gema Tarrason, Jaclyn A. Smith, Maria G. Belvisi

TRPM3: A regulator of airway sensory nerves and respiratory reflexes
Sara Bonvini (London, United Kingdom), Sara Bonvini, Maham Arshad, Michael A. Wortley, John J. Adcock, Eric Dubuis, Kassandra Kosmidou, Sarah A. Maher, Fisnik Shala, Joris Vriens, Thomas Voets, Mark A. Birrell, Maria G. Belvisi

Direct activation of sensory afferents by diesel exhaust particles can trigger respiratory symptoms
Ryan Robinson (London, United Kingdom), Ryan Robinson, Mark Birrell, Michael Wortley, Eric Dubuis, Shu Chen, Catriona McGilvery, Sheng Hu, Sara Bonvini, Sara Maher, John Adcock, Ian Mudway, Alexandra Porter, Terry Tetley, Maria Belvisi

The role of amiloride sensitive epithelial sodium channel (ENaC) in cell migration of mesothelioma cells is dependent on the cell type and the extracellular matrix
Sotirios Zarogiannis (Larisa, Greece), Rajesh Jigirdar, Paschalis Adam Molyvdas, Konstantinos Bourghoulis, Chrissi Hatzoglou, Sotirios Zarogiannis
Effect of asbestos on gene expression of tight junctions components in malignant pleural mesothelioma
Sotiris Zarogiannis (Larisa, Greece), Erasmia Rouka, Georgios Vavougios, Evgeniy Solenov, Konstantinos Gourgoulianis, Chriissi Hatzoglou, Sotiris Zarogiannis

Salvage treatment in patients with recurrent or resistant malignant pleura mesothelioma. A retrospective study from tertiary oncology department
Andriani Charpidou (Athens, Greece), Andriani Charpidou, George Tsironis, Sofia Tsagouli, Aris Nikolau, Antonis Bassias, Ilia Kainis, Marios Zontanos, Sotiris Tsimpoukis, Kosts Syrigos

Comparison between mesothelin and fibulin-3 detection in pleural malignant mesothelioma (MPM patients)
Valentina Pinelli (Brescia, Italy), Valentina Pinelli, Donatella Fini, Enrico Battolla, Paola Ferro, Maria Cristina Franceschini, Vincenzo Fontana, Maria Pia Pistillo, Silvio Roncella, Pier Aldo Canessa

A comparative study of conventional cytology and cell block method in the diagnosis of pleural effusion
Theerada Assawasaksakul (Bangkok, Thailand), Theerada Assawasaksakul, Viboon Boonsarngsuk, Pimpin Incharoen

Diagnostic value of pleural fluid angiopoietin-2 (Ang-2) levels, to differentiate malignant pleural effusions from benign pleural effusions
Omer Ayten (VAN, Turkey), Alaattin Koseler, Omer Ayten, Dilaver Tas, Gulhan Ayhan, Oguzhan Okutan, Faruk Ciftci

IL-33 levels in pleural fluids from various etiologies differentially alter mesothelial cell adhesion and migration
Sotiris Zarogiannis (Larisa, Greece), Ourania Kotsiou, Rajesh Jagirdar, Chriissi Hatzoglou, Konstantinos Gourgoulianis, Sotiris Zarogiannis

Intrapleural photodynamic therapy for malignant pleural mesothelioma: A new dosimetry approach
Camille Munck (Lille, France), Camille Munck, Arnaud Scherpereel, Xavier Dhalluin, Henri Porte, Serge Mordon, Nacim Betrouni

VOC analysis in headspace air of mesothelioma and lung cancer cell lines: A comparative literature study
Kevin Lamote (Ghent, Belgium), Sabrina Lagniau, Kevin Lamote, Karim Vermaelen, Jan P. Van Meerbeeck

Incidence of malignancy in patients with pleural effusion referred for workup by pulmonologists: Diagnostic yield of thoracentesis, and use of other investigational procedures
Uffe Bødtger (Holmegaard, Denmark), Dennis V. Lindegaard, Simon Reuter, Christian B. Laarsen, Uffe Bødtger

An elevated neutrophil lymphocyte ratio is a poor prognostic marker in all categories of pleural effusions
Jane Basham (Brisbane, Australia), Jane Basham, Kevin Sampang, Maninder Singh, Pathmanathan Sivakumaran, Bajee Srim

Malignant pleural effusion and incidence of pleural thickening in thorax CT
ANA JAUREGUIZAR ORIOL (Madrid, Spain), Ana Jaureguizar Oriol, Esteban Perez Rodriguez, Paola Arrieta Narvaez, Rosa Mirambeaux Villalona, Patricia Castro Acosta, Beatriz Martin Garcia, Esther Barbero Herranz

Sclerosing hemangioma presented by huge mediastinal lymph nodes metastasis, mimicking lung malignancy
Jung Hyun Chang (Seoul, Republic of Korea), Jung Hyun Chang, Yeji Han

An examination of the factors for successful pleurodesis against malignant pleural effusion (MPE)

Malignant pleural effusion with talc pleurodesis: Is small bore catheter hospital stay shorter than large bore catheter?
Ülkü Aka Aktürk (Istanbul, Turkey), Ülkü Aka Aktürk, Nagihan Durmuş Kocak, Cansel Atıncaya Öztürk, Dilek Ernem, Aysun Sengül, Merve Alan Teşetem, Elçin Ersöz

Comparison analysis of malignant and tuberculous pleural fluid using proteomic method
Chang Youl Lee (Chuncheon, Republic of Korea), Chang Youl Lee, Ji Young Hong, Myung-Goo Lee, Seung Hun Jang, In-Bum Suh

Vascular remodelling is reversed following BMPR2 modified endothelial progenitor cell therapy in a MCT-induced PAH rat model
Paul Reynolds (Belair, SA, Australia), Rebecca Harper, Rebekah Ward, Claudine Bonder, Paul Reynolds
**IL18 induces p38 MAP kinase activation and adhesion capacities in BMPRII knocked down human lung microvascular endothelial cells**
Rozenn Quarck (LEUVEN, Belgium), Leanda Vengethasamy, Rik Gijsbers, Annelies Michiels, Birger Tielemans, Allard Wagenaar, Ricard Farre Marti, Catharina Belge, Marlon Delcroix, Rozenn Quarck

**Immunity in idiopathic pulmonary arterial hypertension (IPAH), a role for activated DCs?**
Thomas Koudstaal (Rotterdam, Netherlands), Thomas Koudstaal, Jennifer van Hulst, Tridib Das, Peter Heukels, Daphne Merkus, Michiel de Raaf, Ingrid Bergen, Harmjan Bogaard, Cantano Reis e Sousa, Geert van Loo, Rudi Hendriks, Karin Boomsar, Mirjam Kool

**Anti-fibrotic effects of pirfenidone on pulmonary arterial vascular smooth muscle cells**
Changwu Lu (Giessen, Germany), Changwu Lu, Tatyana Novoyatleva, Baktybek Kojonazarov, Hossein Ardeschir Ghofrani, Friedrich Grimminger, Norbert Weissmann, Werner Seeger, Ralph Schermuly

**Role and regulation of Jumonji C domain-containing histone demethylases 1A and 2B in pulmonary hypertension**
Christian Muecke (Bad nauheim, Germany), Christian Muecke, Swati Dabral, Werner Seeger, Soni Savai Pullamsetti

**Clinical phenotypes and outcomes of pulmonary veno-occlusive disease in carriers of bi-allelic EIF2AK4 mutations**
David Montani (Le Kremlin-Bicêtre, France), David Montani, Barbara Girerd, David Amar, Xavier Jais, Laurent Savale, Peter Dorfmueller, Andrei Seferian, Edmund Lau, Melanie Eyries, Jerome Lepavec, Florence Parent, Florent Soubrier, Elie Fadel, Olivier Sibton, Gerard Simonneau, Marc Humbert

**The effect of ASK1 inhibition on hypoxia-induced pulmonary artery fibroblast activation and associated paracrine effects on vascular smooth muscle cells**
Kathryn Wilson (Glasgow, United Kingdom), Kathryn Wilson, Kornelia Suveizdyte, John Liles, Grant Budas, Andrew Peacock, David Welsh

**Rho kinase inhibitor Y-27632 is involved in smooth muscle cell proliferation in pulmonary arterial hypertension**
Marceau Quatredeniers (Paris, France), Marceau Quatredeniers, Audrey Courboulin, Sebastien J. Dumas, Nicolas Doisne, Marc Humbert, Sylvie Cohen-Kaminsky

**The effect of ASK1 inhibition on hypoxia-induced pulmonary artery fibroblast activation and associated paracrine effects on vascular smooth muscle cells**
Kathryn Wilson (Glasgow, United Kingdom), Kathryn Wilson, Kornelia Suveizdyte, John Liles, Grant Budas, Andrew Peacock, David Welsh

**Roundabout (Robo) receptors on pulmonary artery endothelial cells: Implications for pulmonary arterial hypertension**
Zacharoula Nikolakopoulou (London, United Kingdom), Zacharoula Nikolakopoulou, Tatiana Svermova, Jasarat Chowdhury, John Wort, Anne Burke-Gaffney

**Antenatal sildenafil-simvastatin combination attenuates pulmonary hypoplasia and hypertension in nitrofen-induced congenital diaphragmatic hernia**
Laurence Dewachter (Brussels, Belgium), Céline Dewachter, Martine Makanga, Hidekazu Maruyama, Emeline Hupkens, Jean-Luc Vachiery, Robert Naeije, Laurence Dewachter

**Uric acid causes excessive pulmonary arterial smooth muscle cell proliferation via URAT1 upregulation in pulmonary arterial hypertension**
Yuichi Tamura (Le Plessis-Robinson, France), Yuichi Tamura, Ly Tu, Tsunehisa Yamamoto, Carole Phan, Raphael Thuillet, Alice Huertas, Morane Le Hiiress, Elie Fadel, Marc Humbert, Christophe Guignabert

**Analysis of the subcellular localization in BMPR2 gene in pulmonary arterial hypertension**
Guillermo Pousada (Vigo, Spain), Guillermo Pousada, Vincenzo Lupo, Adolfo Baloria, Carmen Espinós, Diana Valverde

**Targeting aquaporin 1 reverses hypoxia-induced pulmonary hypertension in mice**
Claudio Schuoler (Zurich, Switzerland), Claudio Schuoler, Thomas Haider, Caroline Leuenberger, Johannes Vogel, Louise Ostergaard, Malcolm Kohler, Max Gassmann, Lars Huber, Matthias Brock
LSC Abstract – Histone deacetylase 7 mediated metabolic remodeling: A new crosslink between pulmonary hypertension and cancer
Elisabetta Gamen (Bad Nauheim, Germany), Elisabetta Gamen, Prakash Chelladurai, Friedrich Grimminger, Rajkumar Savai, Werner Seeger, Soni Savai Pullamsetti
Session World Village: Activities of the Tunisian Society of Respiratory Diseases and Allergology

09:00 Fatma Tritar (Ariana, Tunisia)

Activity of the Tunisian Society of Respiratory Diseases and Allergology

Session World Village: Campaign to improve driving license legislation for chronic diseases - the case of sleep apnoea patients

10:00 Mark De Quidt (Antwerpen Borgerhout, Belgium)

Session World Village: The ATS is an international society

10:30 Speaker to be confirmed

Session World Village: Non-governmental organizations & Activities for patients & Patient organizations

11:15 Aye Arzu Yorgancolu (ZMR, Turkey)

Session World Village: Patient and professional integration - Dutch paediatric conference

12:00 Michael Rutgers (Amersfoort, Netherlands)

Session World Village: "Each Breath" an effective awareness campaign - CF Patients in Power’

13:00 Dimitri Kontopidis (, )

Session World Village: APSR; Respiratory medicine in Asia-Pacific invites global collaboration

13:30 1439

Session World Village: Contribution of the Romanian Society of Pneumology to the new antitobacco law

14:15

Session World Village: Opening Ceremony

15:00

Session World Village: Resurgence of artificial stone induced silicosis in Israeli exposed workers

15:45 Elizabeth Fireman (Tel-Aviv, Israel)
## Session World Village: Presentation of the Indian Chest Society (ICS)

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<td>1. Indian Chest Society: Inception and Growth</td>
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<td>2. The ILD Registry: The first Indian Respiratory Disease Registry</td>
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<td>3. Our future Research Projects</td>
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<td>4. Academics, courses and Collaborations- The past year. What we aspire for.</td>
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<tr>
<td>Time</td>
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</table>
| 09:00  | **Session World Village: Information Session on EUREST PLUS** - an EU-funded project of 13 partners that aims to monitor and evaluate the impact of the Tobacco Products Directive at EU level | **ERS-EU activities related to smoking cessation**  
Constantine Vardavas (Heraklion, Greece)                                                                 |
| 09:45  | **Session World Village: New perspectives for the development of respiratory medicine in Kyrgyzstan and Central Asia** | **New perspectives for the development of respiratory medicine in Kyrgyzstan and Central Asia**  
Talantbek Sooronbaev (Bishkek, Kyrgyzstan), Konrad E. Bloch (Zürich, Switzerland) |
| 10:30  | **Session World Village: New Developments and Supporting Early Career Researchers** | Andrew Thorley (London, United Kingdom), Louise Donnelly (London, United Kingdom)                     |
| 11:15  | **Session World Village: The Russian experience in respiratory education** | Andrey Belevskiy (Moscow, Russian Federation), Natalia L. Shaporova (ST PETERSBURG, Russian Federation) |
| 12:00  | **Session World Village: How to organise a HLfL event in your country**   | Emma Thompson (Sheffield, United Kingdom)                                                             |
| 12:45  | **Session World Village: #StopAsthma: EFA-EARIP Declaration on Asthma Research Investment** | Giuseppe de Carlo (Brussels, Belgium)                                                                 |
| 13:15  | **Session World Village: Federasma e Allergie advocating Italian asthma, allergies, and now also COPD, patients’** | Federasma e Allergie advocating Italian asthma, allergies, and now also COPD, patients’  
Giorgio Salerni (, )                                                                 |
| 13:45  | **Session World Village: Building the voice of people living with COPD**   | Building the voice of people living with COPD  
Damien Peelo (, )                                                                                       |
| 15:30  | **Session World Village: Outline of the work of the Irish Thoracic Society and Irish Lung Health Alliance: research, advocacy and education** | Jackie Rendall (BELFAST, United Kingdom)                                                             |
Session World Village: Egyptian Society of Chest Diseases and Tuberculosis - History of National, Regional & International Achievements

16:15  Mohamed Awad Tageldin (Cairo, Egypt), Maysa Sharaf Eldin (CAIRO, Egypt)
World Village Theatre  Session 541  09:00 - 09:30
Session World Village: The Polish Respiratory Society up to date  
09:00

World Village Theatre  Session 542  09:45 - 10:15
Session World Village: Current activities of the Austrian Society of Pneumology  
09:45  Gabor Kovacs (Graz, Austria)

World Village Theatre  Session 547  10:30 - 11:00
Session World Village: Engaging the Entire Team in Chest Medicine  
10:30  Barbara Phillips (Lexington, United States of America)

World Village Theatre  Session 573  11:15 - 11:45
Session World Village: Ten years' experience of a chronic respiratory diseases programme in Chile  
11:15  Ten years' experience of a chronic respiratory diseases programme in Chile  
Francisco Arancibia Hernandez (Santiago, Chile)

World Village Theatre  Session 131  12:00 - 12:30
Session World Village: From past to future  
12:00  From the Past to the Future  
Revaz Sepiashvili (Moscow, Russian Federation)

World Village Theatre  Session 577  12:45 - 13:00
Session World Village: The tuberculosis patient's condition - from facts to solutions  
12:45  The tuberculosis patient's condition - from facts to solutions  
Marius Dumitru (Bucharest, Romania)

World Village Theatre  Session 630  13:00 - 13:15
Session World Village: Respiratory patient education, the importance of patient organisation support  
13:00  Respiratory patient education, the importance of patient organisation support  
Liliya Belenko Gentet (Drucourt, France)

World Village Theatre  Session 631  13:15 - 13:30
Session World Village: Future-proofing care for IPF Patients: Action for Pulmonary Fibrosis  
13:15  Future-proofing care for IPF Patients: Action for Pulmonary Fibrosis  
Karen Hughes (Solihull, United Kingdom)

World Village Theatre  Session  13:30 - 13:45
Session World Village: Our progress in 2016-2017: Healthy Lungs for Life  
13:30  Shane Fitch (Madrid, Spain)
Session World Village: Priority setting
13:45 Jessica Smith (London, United Kingdom)

Session World Village: Inhalation Aerosols, the Foundation of Respiratory Care
14:15 Sunalene Devadason (Subiaco, Australia)

Session World Village: A European Reference Network (ERN) in rare pulmonary diseases for patients, based in different EU Member States, who require highly specialised healthcare.
15:00

Session World Village: Introduction of the Japanese Respiratory Society (JRS) and the official Journal "Respiratory Investigation"
15:00 Shu Hashimoto (Tokyo, Japan), Yasuhioko Nishioka (Tokushima, Japan), Masaharu Nishimura (Sapporo, Japan)

Session World Village: Educating children and young people - a social commitment from ASSOBRAFIR
15:45 Educating children and young people - a social commitment from ASSOBRAFIR
jocimar MARTINS (PONTE NOVA, Brazil)

Session World Village: Non-governmental organizations & Activities for patients & Patient organizations
16:30 Speaker to be confirmed
INDUSTRY SPONSORED SESSIONS

Disclaimer:
Evening Symposia, Evening Mini Symposia, Early Morning Symposia, Evening Expert Forum and Practical Workshops are organised by industry. You cannot claim CME credits for attending these sessions.
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<td>Effective Dyspnea and Cough Management in the COPD Patient</td>
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<td>FeNO: A valuable biomarker for Asthma Phenotyping</td>
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<td>223 Industry Practical Workshop</td>
<td>Flexible and Rigid Bronchoscopy in Adults</td>
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<td>224 Industry Practical Workshop</td>
<td>Introducing MBW &amp; LCI in a standard clinical environment</td>
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<td>Room E</td>
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<td>271 Industry Evening Symposium</td>
<td>Asthma: This time, it’s personal.</td>
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<td>Prince Regent Room</td>
<td>17:15</td>
<td>272 Industry Evening Symposium</td>
<td>Getting personal: the future for patients with COPD?</td>
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<td>273 Industry Evening Symposium</td>
<td>Shaping the COPD landscape through early, optimal care</td>
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<td>274 Industry Evening Symposium</td>
<td>50 years of IgE: from scientific discovery to real patient benefits</td>
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<td>275 Industry Evening Symposium</td>
<td>Early diagnosis of IPF: a patient journey</td>
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<td>276 Industry Evening Symposium</td>
<td>Navigating the bronchial tube: connecting the routes for successful real-life outcomes in asthma care</td>
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<td>277 Industry Evening Symposium</td>
<td>Device Matters</td>
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<tr>
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<td>278 Industry Evening Symposium</td>
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<td>NTM lung infections: challenging the current treatment approach</td>
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<td>280 Industry Evening Symposium</td>
<td>New Frontiers and Clinical Advances in Immunotherapy for Asthma: Focus on Biologics-Based Management of Moderate-to-Severe Asthma in Patients Failing ICS and LABA</td>
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<td>Sanofi and Regeneron Pharmaceuticals</td>
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<td>Room K</td>
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<td>281 Industry Evening Symposium</td>
<td>Disease management of COPD, AATD and NCFBE: What can we learn from real-life data?</td>
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<td>282 Industry Evening Mini Symposium</td>
<td>“Offering broader protection against influenza to your patients: the example of COPD”</td>
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<td>Room ICC Capital Suite 7</td>
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<td>283 Industry Evening Mini Symposium</td>
<td>Lessons from RENEW Endobronchial Coil RCT: Guidance for Clinical Practice</td>
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<td>434 Industry Practical Workshop</td>
<td>Bronchial Thermoplasty: Established Treatment for Severe Asthma</td>
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<td>435 Industry Practical Workshop</td>
<td>Diagnosis to therapy: Navigating the lung cancer journey</td>
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<td>436 Industry Practical Workshop</td>
<td>Innovation and Sleep</td>
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<td>437 Industry Practical Workshop</td>
<td>Innovations towards personalized sleep therapy</td>
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<td>438 Industry Practical Workshop</td>
<td>iVAPS in Life Support and Telemedicine in Ventilation</td>
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<td>439 Industry Practical Workshop</td>
<td>Endobronchial Coil Implantation Workshop “Severe Emphysema Endoscopic Treatment”</td>
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<td>477 Industry Evening Symposium</td>
<td>Exacerbation risk reduction in COPD patients: new evidence with dual bronchodilation</td>
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<td>478 Industry Evening Symposium</td>
<td>COPD: Innovation, Personalisation and Effectiveness</td>
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<td>479 Industry Evening Symposium</td>
<td>Where do we go from here? Personalised medicine and patient-focused care in IPF</td>
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<td>480 Industry Evening Symposium</td>
<td>Managing the symptomatic asthma patient – Options for the many and the few</td>
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<td>481 Industry Evening Symposium</td>
<td>Asthma management – challenging long-standing assumptions</td>
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<td>483 Industry Evening Symposium</td>
<td>Optimising the management of patients with severe eosinophilic asthma: why, when and how?</td>
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<td>484 Industry Evening Symposium</td>
<td>Allergy immunotherapy in asthma management new evidence and future opportunities</td>
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<td>Room J</td>
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<td>486 Industry Evening Mini Symposium</td>
<td>Contemporary management of Home NIV in COPD and OHS</td>
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<td>487 Industry Evening Mini Symposium</td>
<td>Challenges in the management of bronchiectasis</td>
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<td>488 Industry Evening Mini Symposium</td>
<td>Real world clinical cases in acute PE care</td>
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<td>489 Industry Evening Mini Symposium</td>
<td>The Future is Now: Precision Treatment of Emphysema Patients</td>
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<td>490 Industry Evening Mini Symposium</td>
<td>Optimizing patient care: Challenging clinical cases in CTEPH</td>
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<td>491 Industry Evening Mini Symposium</td>
<td>The Tuberculosis Journey: TB Detection and Management in Refugees and Migrants › A Case-Based, Interactive Program</td>
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<td>634 Industry Practical Workshop</td>
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SEE YOU IN MILAN
INDUSTRY SPONSORED SESSIONS

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### Room G  
**Session 221**  
**13:15 - 14:30**  
**Industry Practical Workshop: Effective Dyspnea and Cough Management in the COPD Patient**  
*Organised by Philips*  
**Chairs:** Patrick B. Murphy (Oxted, United Kingdom)  

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<td>Effective Dyspnea Management in the COPD Patient</td>
<td>Patrick B. Murphy (Oxted, United Kingdom)</td>
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<td>13:30</td>
<td>Hands-On</td>
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### Room D  
**Session 222**  
**13:15 - 14:30**  
**Industry Practical Workshop: FeNO: A valuable biomarker for Asthma Phenotyping**  
*Organised by Aerocrine AB a Circassia company*  
**Chairs:** Ian Douglas Pavord (Oxford, United Kingdom)  

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<td>Introduction to the workshop</td>
<td>Ian Douglas Pavord (Oxford, United Kingdom)</td>
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<td>13:20</td>
<td>Practical Hands-On with NIOX VERO &amp; the value of FeNO in patient care</td>
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<tr>
<td>14:00</td>
<td>Biomarkers in asthma phenotyping: a step towards personalized care</td>
<td>Sally Wenzel (Pittsburgh, United States of America)</td>
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<tr>
<td>14:15</td>
<td>Using FeNO to improve diagnosis and management of asthma in real-life</td>
<td>David Price (Singapore, Singapore)</td>
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<tr>
<td>14:30</td>
<td>Closing remarks</td>
<td>Ian Douglas Pavord (Oxford, United Kingdom)</td>
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### Room ICC Capital Suite 2+3  
**Session 223**  
**13:15 - 14:30**  
**Industry Practical Workshop: Flexible and Rigid Bronchoscopy in Adults**  
*Organised by Karl Storz GmbH & Co.KG*  
**Chairs:** Hermann Tonn (Hannover, Germany)  

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<th>Reference</th>
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<tbody>
<tr>
<td>13:15</td>
<td>Presentation about Flexible and Rigid Bronchoscopy in Adults</td>
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<tr>
<td>13:30</td>
<td>Hands-on-Workshop: practical demonstration and training</td>
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<td>1434</td>
</tr>
</tbody>
</table>

### Room ICC Capital Suite 16  
**Session 224**  
**13:15 - 14:30**  
**Industry Practical Workshop: Introducing MBW & LCI in a standard clinical environment**  
*Organised by ndd Medizinotechnik AG*  
**Chairs:** Monika Gappa (Wesel, Germany)  

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
<th>Reference</th>
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</thead>
<tbody>
<tr>
<td>13:15</td>
<td>Introduction</td>
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<tr>
<td>13:40</td>
<td>Practical Workshop</td>
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<td>1436</td>
</tr>
</tbody>
</table>

### Room E  
**Session 271**  
**17:15 - 19:15**  
**Industry evening symposium: Asthma: This time, it's personal.**  
*Organised by GlaxoSmithKline*  
**Chairs:** Neil C. Barnes (London, United Kingdom)  

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
<th>Reference</th>
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</thead>
<tbody>
<tr>
<td>17:15</td>
<td>Welcome and introduction</td>
<td>Neil C. Barnes (London, United Kingdom)</td>
<td>1630</td>
</tr>
<tr>
<td>17:25</td>
<td>Improving asthma treatment: The patient’s perspective</td>
<td>Ronald Dahl (Copenhagen K, Denmark)</td>
<td>1631</td>
</tr>
</tbody>
</table>
Prince Regent Room  Session 272  17:15 - 19:15

Industry evening symposium: Getting personal: the future for patients with COPD?
This meeting has been organised by AstraZeneca and may contain promotional material Zinc code:GL/XBR/0516/0777 Date of preparation: May 2016 Date of expiry: October 2016
Organised by AstraZeneca and Menarini
Chairs: Bartolome R. Celli (Boston, United States of America)

17:15  Chairman's introduction
Bartolome R. Celli (Boston, United States of America)

17:25  Understanding the impact of COPD on patients
Peter M. A. Calverley (Liverpool, United Kingdom)

17:45  Prioritizing patient well-being - striving to maximise bronchodilation, symptom control and daily activities
Claus Vogelmeier (Marburg, Germany)

18:05  Tailoring treatment to prevent exacerbations in COPD
Christine Jenkins (Mc Mahons Point, Australia)

18:25  The way forward for targeted therapies in COPD
Alvar Agusti Garcia-Navarro (Barcelona, Spain)

18:45  Panel discussion and Q & A - ALL

19:10  Chairman’s summary and closing remarks
Bartolome R. Celli (Boston, United States of America)

Room L  Session 273  17:15 - 19:15

Industry evening symposium: Shaping the COPD landscape through early, optimal care
Organised by Boehringer Ingelheim Pharma GmbH & Co. KG
Chairs: Roland Buhl (Mainz, Germany)

17:15  Welcome and introduction
Roland Buhl (Mainz, Germany)

17:20  The changing face of COPD
Meilan Han (Ann Arbor, United States of America)

17:45  Therapeutic imperatives in COPD management: The new landscape
David M. G. Halpin (Exeter Devon, United Kingdom)

18:10  Foundation therapy and add-ons - Where is COPD treatment heading?
Dave Singh (Manchester, United Kingdom)

18:35  The rational use of ICS and the quest for biomarkers
Roland Buhl (Mainz, Germany)

19:00  Q & A

19:10  Summary and closing
Roland Buhl
Room B  Session 274  17:15 - 19:15

Industry evening symposium: 50 years of IgE: from scientific discovery to real patient benefits
Organised by Novartis Pharma AG

Chairs: Eric D. Bateman (Cape Town, South Africa)

17:15  The discovery of IgE: a significant milestone in severe allergic asthma
Eric D. Bateman (Cape Town, South Africa)  1650

17:35  Omalizumab: targeting IgE and influencing multiple components of the allergic cascade
Kian Fan Chung (London, United Kingdom)  1651

18:00  The role of IgE in asthma exacerbations
William Busse (Madison, United States of America)  1652

18:25  Targeting IgE with omalizumab: the beginning of personalized medicine in severe allergic asthma?
Douglas Robinson (, United Kingdom)  1653

18:50  Ask the faculty: interactive panel discussion
1654

19:05  Summary and close
Eric D. Bateman (Cape Town, South Africa)  1655

Platinum Room 1+2  Session 275  17:15 - 19:15

Industry evening symposium: Early diagnosis of IPF: a patient journey
Organised by F. Hoffmann-La Roche

Chairs: Athol Wells (London, United Kingdom)

17:15  Welcome and opening
Athol Wells (London, United Kingdom)  1656

17:25  Patient cases: a challenging diagnosis
Toby Maher (St. Albans, Hertfordshire, United Kingdom), David Hansell (London, United Kingdom), Andrew Nicholson (London, United Kingdom)  1657

17:50  Treatment decision
Toby Maher (St. Albans, Hertfordshire, United Kingdom), Athol Wells (London, United Kingdom)  1658

18:15  Patient management
Anne-Marie Russell (London, United Kingdom), Toby Maher (St. Albans, Hertfordshire, United Kingdom)  1659

18:35  Disease progression: implications for treatment
Toby Maher (St. Albans, Hertfordshire, United Kingdom)  1660

18:55  Q&A
All  1661

19:10  Closing remarks
Athol Wells (London, United Kingdom)  1662

Platinum Room 3+4  Session 276  17:15 - 19:15

Industry evening symposium: Navigating the bronchial tube: connecting the routes for successful real-life outcomes in asthma care
Organised by Mundipharma International Ltd

Chairs: David Price (Singapore, Singapore), Johann Christian Virchow (Rostock, Germany)

17:15  Opening the map
David Price (Singapore, Singapore), Johann Christian Virchow (Rostock, Germany)  1663

17:25  Planning the route to improved asthma care
Johann Christian Virchow (Rostock, Germany)  1664

17:45  Mind the gap: closing the clinical trial-real life divide
David Price (Singapore, Singapore)  1665
Making connections: a combination of factors
Alberto Papi (FERRARA, Italy)

Navigating the tube: inhaler characteristics in asthma
Omar Usmani (London, United Kingdom)

Reaching our destination: discussion
David Price (Singapore, Singapore), Johann Christian Virchow (Rostock, Germany), Alberto Papi (FERRARA, Italy), Omar Usmani (London, United Kingdom)

Journey’s end?
David Price (Singapore, Singapore), Johann Christian Virchow (Rostock, Germany)

Industry evening symposium: Device Matters | Looking beyond the drug
Organised by Teva Branded Pharmaceutical Products R&D, Inc
Chairs: Helen Reddel (Camperdown, NSW, Australia)

Welcome and introduction
Helen Reddel (Camperdown, NSW, Australia)

Looking beyond the drug in asthma and COPD
Kai Michael Beeh (Wiesbaden, Germany)

Do inhalers and their correct use contribute to good patient management?
John Haughney (Aberdeen, United Kingdom)

Inhaler device mastery: results from handling studies
Sinthia Bosnic-Anticevich (Sydney, Australia)

The patient’s perspective: what’s happening outside the clinic?
Henry Chrystyn (Bingley, United Kingdom)

Bridging the gaps between guidelines and clinical care
Helen Reddel (Camperdown, NSW, Australia)

Summary and close
Helen Reddel (Camperdown, NSW, Australia)

Industry evening symposium: Therapies and Strategies – Stay Ahead in PAH
Organised by Actelion Pharmaceuticals Ltd
Chairs: Paul A. Corris (Newcastle, United Kingdom), Gérald Simonneau (Le Kremlin-Bicêtre, France)

Introduction
Gérald Simonneau (Le Kremlin-Bicêtre, France)

Assessing risk in PAH - Why it is so important
Sean Gaine (Dublin, Ireland)

Dual oral combination - Why it is so relevant
Ioana R Preston (Boston, United States of America)

Triple oral combination - Who can benefit
Olivier Sitbon (Le Kremlin-Bicêtre, France)

i.v. therapy and transplantation - When to start
Marius M. Hoeper (Hannover, Germany)

From theory to practice - Interactive patient cases
Paul A. Corris (Newcastle, United Kingdom)

Panel discussion
Room M  
Session 279  
17:15 - 19:15

Industry evening symposium: NTM lung infections: challenging the current treatment approach  
Organised by Insmed  
Chairs: Michael Loebinger (London, United Kingdom)

17:15  NTM Overview  
Michael Loebinger (London, United Kingdom)  
1684

17:55  Recent Developments in the Treatment of NTM Lung Infections  
Charles Daley (Denver, CO, United States of America)  
1686

18:25  Hide and Seek: Drugs and Bugs in the Macrophage  
Jakko van Ingen (Nijmegen, Netherlands)  
1685

18:45  Question-and-answer

Room P  
Session 280  
17:15 - 19:15

Industry evening symposium: New Frontiers and Clinical Advances in Immunotherapy for Asthma: Focus on Biologics-Based Management of Moderate-to-Severe Asthma in Patients Failing ICS and LABA  
Organised by Sanofi and Regeneron Pharmaceuticals  
Chairs: Sally Wenzel (Pittsburgh, United States of America), Michael Wechsler (Denver, United States of America)

17:15  Welcome: Addressing New Challenges in Asthma Management  
Sally Wenzel (Pittsburgh, United States of America)  
1687

17:20  Overview of Asthma Disease Burden, Epidemiology, and Spectrum of Allergic-Atopic Disorders: Where Have We Succeeded? Where is There Room for Improvement? How Well Are Our Patients with Asthma Really Doing?  
Christopher E. Brightling (Leicester, United Kingdom)  
1688

17:40  The Unmet Need for New Therapies to Address Moderate-to-Severe Asthma in Patients Failing Inhaled Corticosteroids (ICS) and Long-Acting Beta-Agonists (LABA): Where and Why Are Current Therapies Failing? The Rationale for Novel Targets to Improve Clinical Outcomes in Asthma  
Michael Wechsler (Denver, United States of America)  
1689

18:00  The Pathoimmunobiology of Asthma: The Rationale for Cytokine-Targeted Inhibition in Patients with Asthma—Mechanisms of Action and Immunotherapeutic Effects of Systemic, Biologic Agents to Manage Moderate-to-Severe Asthma  
Rohit Katial (Denver, United States of America)  
1690

18:20  Results of Clinical Trials Focused on Cytokine-Targeted Inhibition in Adult Patients with Asthma: Dosing, Outcomes, Safety and Practical Implications—What Did the Trials Teach Us? How Do the Results Guide Us in Biologics-Based Management? What Targets? Why? When? In Which Patient Subgroups?  
Sally Wenzel (Pittsburgh, United States of America)  
1691

18:45  Chairperson’s Summary and Near Future Vision Statement  
Michael Wechsler (Denver, United States of America)  
1692

19:00  Interactive Q & A Session  
1693

Room K  
Session 281  
17:15 - 19:15

Industry evening symposium: Disease management of COPD, AATD and NCFBE: What can we learn from real-life data?  
Organised by GRIFOLS, S.A.  
Chairs: James D. Chalmers (Perth, United Kingdom)

17:15  Introduction  
James D. Chalmers (Perth, United Kingdom)  
1694
### COPD: An epidemiological overview: What can real-life data tell us on disease management?
Joan B. Soriano (Madrid, Spain)

### AATD: Disease management and learning from studies
Timm Greulich (Marburg, Germany)

### "NCFB-phenotyping a complex disease" Data from real-life studies and registries
James D. Chalmers (Perth, United Kingdom)

### ALTA: Introduction of the 2016 winning projects
Karina Serban (Denver, United States of America), Pasquale Piccolo (Naples, Italy)

### ALTA: Presentation of the results of the 2015 winning projects
Mila Ljujic (Galway, Ireland)

### General discussion and closing remarks
Chair and Speakers

### Room ICC Capital Suite 12 Session 282 17:30 - 19:00
Industry evening mini symposium: Offering broader protection against influenza to your patients: the example of COPD
Organised by GlaxoSmithKline Vaccines
**Chairs**: Rafik Bekkat-Berkani (, )

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>17:30</td>
<td>Welcome and introduction</td>
<td>Rafik Bekkat-Berkani (, )</td>
<td>Room ICC Capital Suite 7</td>
<td>1701</td>
</tr>
<tr>
<td>17:35</td>
<td>Value of influenza vaccination in patients suffering from COPD</td>
<td>Norbert Berend (Galston, Australia)</td>
<td>Room ICC Capital Suite 7</td>
<td>1702</td>
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<tr>
<td>17:55</td>
<td>Brief overview of influenza virus evolution and concept of influenza B-mismatch</td>
<td>Philippe Buchy (, )</td>
<td>Room ICC Capital Suite 7</td>
<td>1703</td>
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<tr>
<td>18:10</td>
<td>How GSK vaccine can provide a broad protection and help protect against influenza</td>
<td>Rafik Bekkat-Berkani (, )</td>
<td>Room ICC Capital Suite 7</td>
<td>1704</td>
</tr>
<tr>
<td>18:30</td>
<td>Concluding remarks and Q&amp;A</td>
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<td>Room ICC Capital Suite 7</td>
<td>1705</td>
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</table>

### Room ICC Capital Suite 12 Session 283 17:30 - 19:00
Industry evening mini symposium: Lessons from RENEW Endobronchial Coil RCT: Guidance for Clinical Practice
Organised by PneumRx Ltd, a BTG International group company
**Chairs**: Arschang Valipour (WIEN, Austria)

<table>
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<th>Time</th>
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<tbody>
<tr>
<td>17:30</td>
<td>Welcome</td>
<td>Arschang Valipour (WIEN, Austria)</td>
<td>Room ICC Capital Suite 7</td>
<td>1706</td>
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<td>17:35</td>
<td>Lessons from RENEW: implications on patient selection for endobronchial treatment of severe emphysema.</td>
<td>Frank Sciurba (Pittsburgh, United States of America)</td>
<td>Room ICC Capital Suite 7</td>
<td>1707</td>
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<tr>
<td>18:00</td>
<td>Beyond RCTS: Endobronchial coil treatment integration to the standard of care in France</td>
<td>Charles-Hugo Marquette (Nice, France)</td>
<td>Room ICC Capital Suite 7</td>
<td>1708</td>
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<tr>
<td>18:15</td>
<td>European Coil Registry: Results from 1000 treated patients.</td>
<td>Martin Hetzel (Stuttgart, United Kingdom)</td>
<td>Room ICC Capital Suite 7</td>
<td>1709</td>
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<tr>
<td>18:30</td>
<td>Patient Selection and Management: the role of CT pre- and post-treatment.</td>
<td>Dirk-Jan Slebos (Groningen, Netherlands)</td>
<td>Room ICC Capital Suite 7</td>
<td>1710</td>
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<tr>
<td>18:45</td>
<td>Discussion &amp; wrap up:</td>
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<td>Room ICC Capital Suite 7</td>
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**ERS International Congress 2016**
**INDUSTRY SPONSORED SESSIONS**
**SUNDAY 04 SEPTEMBER, 2016**

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26.08.2016
### Room G  Session 434  13:15 - 14:30

**Industry Practical Workshop: Bronchial Thermoplasty: Established Treatment for Severe Asthma**  
Organised by Boston Scientific International  
**Chairs:** Robert Niven (MANCHESTER, United Kingdom)

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<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>13:15</td>
<td>Welcome/Introductions</td>
<td>Robert Niven (MANCHESTER, United Kingdom)</td>
<td>Room G</td>
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<tr>
<td>13:17</td>
<td>Challenges in severe asthma</td>
<td>Pascal Chanez (MARSEILLE, France)</td>
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<td>13:24</td>
<td>Clinical update and mechanism of action</td>
<td>Michel Aubier (PARIS, France)</td>
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<tr>
<td>13:31</td>
<td>Bronchial Thermoplasty: established procedure for severe asthma</td>
<td>Pascal Chanez (MARSEILLE, France)</td>
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<tr>
<td>13:38</td>
<td>Bronchial Thermoplasty in practice - UK patient experience</td>
<td>Robert Niven (MANCHESTER, United Kingdom)</td>
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<td>13:43</td>
<td>Q &amp; A/Closing</td>
<td>Robert Niven (MANCHESTER, United Kingdom)</td>
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<td>13:45</td>
<td>Hands on</td>
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### Room D  Session 435  13:15 - 14:30

**Industry Practical Workshop: Diagnosis to therapy: Navigating the lung cancer journey**  
Organised by Medtronic  
**Chairs:** William Krimsky (Baltimore, United States of America)

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<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>13:20</td>
<td>Implementation and preliminary results of a Lung Cancer Screening program in Switzerland</td>
<td>Karl Klingler (Zurich, Switzerland)</td>
<td>Room D</td>
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<tr>
<td>13:40</td>
<td>ENB: A multidisciplinary approach for lung cancer</td>
<td>Kelvin Lau (London, United Kingdom)</td>
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<tr>
<td>14:00</td>
<td>Effective utilization of superDimension™ technology</td>
<td>Iker FERNANDEZ-NAVAMUEL BASOZABAL (Madrid, Spain)</td>
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<td>14:20</td>
<td>Discussion and Practical Demonstration</td>
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### Room M  Session 436  13:15 - 14:30

**Industry Practical Workshop: Innovation and Sleep**  
Organised by Philips  
**Chairs:** David White (Boston, United States of America)

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<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>13:15</td>
<td>Innovations in Sleep</td>
<td>David White (Boston, United States of America)</td>
<td>Room M</td>
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<tr>
<td>13:29</td>
<td>Innovations in Slow Wave Sleep</td>
<td>Reidner Brady (Madison, United States of America)</td>
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<td>13:41</td>
<td>Hands on</td>
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### Room P  Session 437  13:15 - 14:30

**Industry Practical Workshop: Innovations towards personalized sleep therapy**  
Organised by ResMed  
**Chairs:** Holger Woehrle (Blaubeuren, Germany), Patrick Levy (Grenoble, France)

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<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>13:15</td>
<td>Introduction to personalized sleep therapy</td>
<td>Holger Woehrle (Blaubeuren, Germany)</td>
<td>Room P</td>
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<tr>
<td>Time</td>
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<tr>
<td>13:20</td>
<td>Gender differences, tailored therapies, and quality of life in female OSA patients</td>
<td>Francisco Campos-Rodriguez (Seville, Spain)</td>
<td>2943</td>
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<tr>
<td>13:35</td>
<td>ASV, what do we know now and where do we go?</td>
<td>Anita Simonds (London, United Kingdom)</td>
<td>2944</td>
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<tr>
<td>13:50</td>
<td>Innovations in Healthcare Informatics in SDB</td>
<td>Joachim Ficker (Herzogenaurach, Germany)</td>
<td>2945</td>
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<td>14:10</td>
<td>Hands-on</td>
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**Room ICC Capital Suite 2+3 Session 438 13:15 - 14:30**

Industry Practical Workshop: iVAPS in Life Support and Telemedicine in Ventilation
Organised by ResMed

**Chairs:** Pierre-Charles Neuzeret (Martinsried, Germany)

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<th>Time</th>
<th>Title</th>
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<tbody>
<tr>
<td>13:30</td>
<td>iVAPS Auto EPAP in Astral</td>
<td>Cesare Gregoretti (TORINO, TO, Italy)</td>
<td>2947</td>
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<tr>
<td>13:30</td>
<td>Healthcare informatics Solution for remote titration with Lumis 150</td>
<td>Brad Templeton (Abingdon, United Kingdom)</td>
<td>2948</td>
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</table>

**Room ICC Capital Suite 16 Session 440 13:15 - 14:30**

Industry Practical Workshop: EBUS — State of the Art Training Interventional Pulmonology
Organised by FUJIFILM Europe

**Chairs:** Joris van der Horst (Glasgow, United Kingdom), Christophe Dooms (Leuven, Belgium)

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<tr>
<td>13:15</td>
<td>Two hands-on training stations:</td>
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<td>• EBUS-TBNA</td>
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<td>13:15</td>
<td>• EBUS Mini-probe biopsy</td>
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<td>14:15</td>
<td>Closure:</td>
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<td>• Clinical outcomes</td>
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<td>• Q &amp; A</td>
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</table>
Room E  
**Session 477**  
17:15 - 19:15

**Industry evening symposium: Exacerbation risk reduction in COPD patients: new evidence with dual bronchodilation**  
Organised by Novartis Pharma AG  
**Chairs:** David Price (Singapore, Singapore)

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>17:15</td>
<td>Chair’s Introduction</td>
<td>David Price (Singapore, Singapore)</td>
</tr>
<tr>
<td>17:30</td>
<td>Putting the evidence together: what are the lessons from recent large trials in COPD?</td>
<td>Fernando J. Martinez (New York, United States of America)</td>
</tr>
<tr>
<td>17:50</td>
<td>The rapidly growing body of evidence for LABA/LAMA combinations in COPD</td>
<td>Kai Michael Beeh (Wiesbaden, Germany)</td>
</tr>
<tr>
<td>18:10</td>
<td>Reducing the risk of exacerbations: new evidence with indacaterol/glycopyrronium (the FLAME Study)</td>
<td>Kenneth R. Chapman (Toronto, Canada)</td>
</tr>
<tr>
<td>18:35</td>
<td>Evidence into practice - managing your COPD patients</td>
<td>David Price (Singapore, Singapore)</td>
</tr>
<tr>
<td>18:50</td>
<td>Panel Q &amp; A - All faculty</td>
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<tr>
<td>19:10</td>
<td>Chair’s concluding remarks</td>
<td>David Price (Singapore, Singapore)</td>
</tr>
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</table>

Prince Regent Room  
**Session 478**  
17:15 - 19:15

**Industry evening symposium: COPD: Innovation, Personalisation and Effectiveness**  
Organised by GlaxoSmithKline  
**Chairs:** Ashley Woodcock (Manchester, United Kingdom), Neil C. Barnes (London, United Kingdom)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>17:15</td>
<td>Co-chair open</td>
<td>Neil C. Barnes (London, United Kingdom), Ashley Woodcock (Manchester, United Kingdom)</td>
</tr>
<tr>
<td>17:20</td>
<td>Personalising Treatment: Improving Symptoms, Reducing Risk</td>
<td>Neil C. Barnes (London, United Kingdom)</td>
</tr>
<tr>
<td>17:40</td>
<td>The importance of avoiding short-term deterioration: A role for dual bronchodilator therapy</td>
<td>Paul Jones (London, United Kingdom)</td>
</tr>
<tr>
<td>18:00</td>
<td>The Salford Lung Study: Pioneering Clinical Trial Design</td>
<td>Ashley Woodcock (Manchester, United Kingdom)</td>
</tr>
<tr>
<td>18:30</td>
<td>Effectiveness and safety of FF/VI in everyday practice: lessons from The Salford Lung Study</td>
<td>David Leather (London, United Kingdom)</td>
</tr>
<tr>
<td>19:00</td>
<td>Q&amp;A and Co-Chair close</td>
<td>Ashley Woodcock (Manchester, United Kingdom), Neil C. Barnes (London, United Kingdom)</td>
</tr>
</tbody>
</table>

Room A  
**Session 479**  
17:15 - 19:15

**Industry evening symposium: Where do we go from here? Personalised medicine and patient-focused care in IPF**  
Organised by Boehringer Ingelheim Pharma GmbH & Co. KG  
**Chairs:** Harold R. Collard (San Francisco, United States of America), Luca Richeldi (Southampton, United Kingdom)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>17:15</td>
<td>Welcome and introduction</td>
<td>Harold R. Collard (San Francisco, United States of America)</td>
</tr>
<tr>
<td>17:20</td>
<td>Challenges in the medical management of IPF</td>
<td>Luca Richeldi (Southampton, United Kingdom)</td>
</tr>
<tr>
<td>17:35</td>
<td>Treating the individual and not the disease: Personalised care for IPF</td>
<td>Toby Maher (St. Albans, Hertfordshire, United Kingdom)</td>
</tr>
<tr>
<td>Time</td>
<td>Session</td>
<td>Speaker Details</td>
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<tr>
<td>17:00</td>
<td><strong>Symptom management: The nurses’ challenge?</strong>&lt;br&gt;Geraldine Burge (Solihull, United Kingdom)</td>
<td>3172</td>
</tr>
<tr>
<td>17:25</td>
<td><strong>The patient voice in IPF clinical care and research</strong>&lt;br&gt;Sonye Danoff (Baltimore, United States of America)</td>
<td>3174</td>
</tr>
<tr>
<td>17:45</td>
<td><strong>The future of clinical care and research in IPF</strong>&lt;br&gt;Harold R. Collard (San Francisco, United States of America)</td>
<td>3175</td>
</tr>
<tr>
<td>18:00</td>
<td><strong>Summary and closing</strong>&lt;br&gt;Luca Richeldi (Southampton, United Kingdom)</td>
<td>3177</td>
</tr>
<tr>
<td>17:15</td>
<td><strong>Welcome and introduction</strong>&lt;br&gt;David M. G. Halpin (Exeter Devon, United Kingdom)</td>
<td>3178</td>
</tr>
<tr>
<td>17:25</td>
<td><strong>Update on asthma management: The GINA perspective</strong>&lt;br&gt;Soren Pedersen (Kolding, Denmark)</td>
<td>3179</td>
</tr>
<tr>
<td>17:45</td>
<td><strong>Treatment options and approaches for symptomatic asthma patients</strong>&lt;br&gt;Christine Jenkins (Mc Mahons Point, Australia)</td>
<td>3180</td>
</tr>
<tr>
<td>18:15</td>
<td><strong>The cholinergic system in the airways and its role in asthma</strong>&lt;br&gt;Reinoud Gosens (Groningen, Netherlands)</td>
<td>3181</td>
</tr>
<tr>
<td>18:35</td>
<td><strong>Anticholinergics in asthma: Place in clinical practice</strong>&lt;br&gt;David M. G. Halpin (Exeter Devon, United Kingdom)</td>
<td>3182</td>
</tr>
<tr>
<td>18:05</td>
<td><strong>Panel discussion</strong></td>
<td>3183</td>
</tr>
<tr>
<td>17:15</td>
<td><strong>Welcome and introduction</strong>&lt;br&gt;Richard Beasley (Wellington, New Zealand)</td>
<td>3184</td>
</tr>
<tr>
<td>17:20</td>
<td><strong>Why does asthma still kill?</strong>&lt;br&gt;Mark L. Levy (London, United Kingdom)</td>
<td>3185</td>
</tr>
<tr>
<td>17:35</td>
<td><strong>Current guidelines about mild asthma - where are the evidence gaps?</strong>&lt;br&gt;Helen Reddel (Camperdown, NSW, Australia)</td>
<td>3186</td>
</tr>
<tr>
<td>17:50</td>
<td><strong>Preventing exacerbations - what are our options?</strong>&lt;br&gt;Tim Harrison (, United Kingdom)</td>
<td>3187</td>
</tr>
<tr>
<td>18:05</td>
<td><strong>Changing the paradigm - balancing risks and benefits</strong>&lt;br&gt;Richard Beasley (Wellington, New Zealand)</td>
<td>3188</td>
</tr>
<tr>
<td>18:20</td>
<td><strong>Personalised and targeted therapies - which target to choose?</strong>&lt;br&gt;Reynold Panettieri Jr. (Philadelphia, United States of America)</td>
<td>3189</td>
</tr>
<tr>
<td>18:35</td>
<td><strong>Panel discussion and open debate</strong>&lt;br&gt;Richard Beasley (Wellington, New Zealand), Mark L. Levy (London, United Kingdom), Helen Reddel (Camperdown, NSW, Australia), Reynold Panettieri Jr. (Philadelphia, United States of America)</td>
<td>3190</td>
</tr>
</tbody>
</table>
### Room G  Session 482  17:15 - 19:15

**Industry evening symposium: Vaccination and chronic respiratory diseases**  
Organised by Pfizer  
**Chairs:** Francesco Blasi (Milano, MI, Italy)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Location</th>
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<tbody>
<tr>
<td>17:15</td>
<td>Welcome and introduction</td>
<td>Francesco Blasi (Milano, MI, Italy)</td>
</tr>
<tr>
<td>17:20</td>
<td>Pneumococcal diseases in patients with chronic respiratory diseases</td>
<td>Filipe Froes (Lisboa, Portugal)</td>
</tr>
<tr>
<td>17:50</td>
<td>PCV13* - clinical evidence and recommendations</td>
<td>Francesco Blasi (Milano, MI, Italy)</td>
</tr>
<tr>
<td>18:20</td>
<td>Role of vaccination in patients with chronic respiratory diseases</td>
<td>Nicolas Roche (Paris, France)</td>
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<tr>
<td>18:50</td>
<td>Q &amp; A</td>
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</table>

### Room D  Session 483  17:15 - 19:15

**Industry evening symposium: Optimising the management of patients with severe eosinophilic asthma: why, when and how?**  
Organised by Teva Branded Pharmaceutical Products R&D, Inc  
**Chairs:** Ian Douglas Pavord (Oxford, United Kingdom)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Location</th>
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<tbody>
<tr>
<td>17:15</td>
<td>Welcome and introduction</td>
<td>Ian Douglas Pavord (Oxford, United Kingdom)</td>
</tr>
<tr>
<td>17:20</td>
<td>A new era for patients with uncontrolled severe asthma</td>
<td>Ian Douglas Pavord (Oxford, United Kingdom)</td>
</tr>
<tr>
<td>17:45</td>
<td>Eosinophilic inflammation under the lens</td>
<td>Roland Buhl (Mainz, Germany)</td>
</tr>
<tr>
<td>18:10</td>
<td>Exploring the diagnostic workup: key clinical assessments</td>
<td>Richard Costello (Dublin 9, Ireland)</td>
</tr>
<tr>
<td>18:40</td>
<td>Applying evidence to clinical practice: options for patients with uncontrolled severe eosinophilic asthma</td>
<td>Mario Castro (St. Louis, United States of America)</td>
</tr>
<tr>
<td>19:10</td>
<td>Summary and close</td>
<td>Ian Douglas Pavord (Oxford, United Kingdom)</td>
</tr>
</tbody>
</table>

### Room P  Session 484  17:15 - 19:15

**Industry evening symposium: Allergy immunotherapy in asthma management - new evidence and future opportunities**  
Organised by ALK  
**Chairs:** Giorgio Walter Canonica (Genova, Italy)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Location</th>
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<tbody>
<tr>
<td>17:20</td>
<td>The concept of allergy immunotherapy (AIT)</td>
<td>Stephen Durham (London, United Kingdom)</td>
</tr>
<tr>
<td>17:40</td>
<td>New evidence in the treatment of allergic asthma</td>
<td>Johann Christian Virchow (Rostock, Germany)</td>
</tr>
<tr>
<td>18:00</td>
<td>New evidence in the prevention of asthma</td>
<td>Henrik Jacobi (, Denmark)</td>
</tr>
<tr>
<td>18:25</td>
<td>New perspectives on the use of allergy immunotherapy in asthma management</td>
<td>Eric D. Bateman (Cape Town, South Africa)</td>
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<tr>
<td>Time</td>
<td>Event</td>
<td>Speaker/Location</td>
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<tr>
<td>18:45</td>
<td>Panel discussion/Q &amp; A</td>
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<td></td>
<td><strong>Room J</strong> Session 486 17:30 - 19:00</td>
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<tr>
<td>17:30</td>
<td>Industry evening mini symposium: Contemporary management of Home NIV in COPD and OHS</td>
<td>Organised by ResMed&lt;br&gt;<strong>Chairs</strong>: Jean-Louis Pépin (Grenoble, France), Peter J. Wijkstra (Groningen, Netherlands)</td>
</tr>
<tr>
<td>17:30</td>
<td><strong>What does the latest evidence tell us?</strong></td>
<td>Nicholas Hart (London, United Kingdom)</td>
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<tr>
<td>17:50</td>
<td><strong>Implications for clinical practice and patient pathways</strong></td>
<td>Michael Dreher (Aachen, Germany)</td>
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<tr>
<td>18:10</td>
<td><strong>The future in follow up care, from remote monitoring of therapy to disease management</strong></td>
<td>Jean Christian Borel (Meylan, France)</td>
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<td>18:30</td>
<td><strong>Moderated round table discussion (speakers &amp; chairs)</strong></td>
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<td></td>
<td><strong>Room ICC Capital Suite 11 Session 487 17:30 - 19:00</strong></td>
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<tr>
<td>17:30</td>
<td>Industry evening mini symposium: Challenges in the management of bronchiectasis</td>
<td>Organised by Bayer Pharma AG&lt;br&gt;<strong>Chairs</strong>: Robert Wilson (London, United Kingdom)</td>
</tr>
<tr>
<td>17:30</td>
<td><strong>Chair’s introduction</strong></td>
<td>Robert Wilson (London, United Kingdom)</td>
</tr>
<tr>
<td>17:35</td>
<td><strong>An orphan disease or not: how common is bronchiectasis?</strong></td>
<td>Felix C. Ringshausen (Hannover, Germany)</td>
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<tr>
<td>17:55</td>
<td><strong>Recent advances in bronchiectasis</strong></td>
<td>Anthony De Soyza (Newcastle-upon-Tyne, United Kingdom)</td>
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<tr>
<td>18:20</td>
<td><strong>Are we any closer to finding answers in bronchiectasis?</strong></td>
<td>Timothy Aksamit (Rochester, United States of America)</td>
</tr>
<tr>
<td>18:40</td>
<td><strong>Panel discussion</strong></td>
<td>Timothy Aksamit (Rochester, United States of America), Anthony De Soyza (Newcastle-upon-Tyne, United Kingdom), Felix C. Ringshausen (Hannover, Germany), Robert Wilson (London, United Kingdom)</td>
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<tr>
<td>18:55</td>
<td><strong>Closing remarks</strong></td>
<td>Robert Wilson (London, United Kingdom)</td>
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<td><strong>Room ICC Capital Suite 12 Session 488 17:30 - 19:00</strong></td>
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<tr>
<td>17:30</td>
<td>Industry evening mini symposium: Real world clinical cases in acute PE care</td>
<td>Organised by Bayer Pharma AG&lt;br&gt;<strong>Chairs</strong>: Stavros Konstantinides (Mainz, Germany)</td>
</tr>
<tr>
<td>17:30</td>
<td><strong>Opening and introduction</strong></td>
<td>Stavros Konstantinides (Mainz, Germany)</td>
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<tr>
<td>17:40</td>
<td><strong>Case 1 - Assessing patient suitability for outpatient care</strong></td>
<td>Luke Howard (London, United Kingdom)</td>
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<td>18:00</td>
<td><strong>Case 2 - Effectively managing higher risk patients with PE</strong></td>
<td>Peter Verhamme (LEUVEN, Belgium)</td>
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<td>18:20</td>
<td><strong>Case 3 - Adapting long-term care for PE patients</strong></td>
<td>Francis Couturaud (Brest, France)</td>
</tr>
<tr>
<td>18:40</td>
<td><strong>Q&amp;A and closing</strong></td>
<td>Stavros Konstantinides (Mainz, Germany)</td>
</tr>
</tbody>
</table>
Room ICC Capital Suite Session 489 17:30 - 19:00
Industry evening mini symposium: The Future is Now: Precision Treatment of Emphysema Patients
Organised by Pulmonx International SARL
Chairs: Dirk-Jan Slebos (Groningen, Netherlands)

17:30 Emerging Science of COPD phenotypes & importance of early diagnosis of emphysema
Arschang Valipour (WIEN, Austria) 3224

17:50 Recent Evidence Review for BLVR
Pallav L. Shah (London, United Kingdom) 3225

18:10 Recommendations for interventional management of patients in the emphysema
Felix J.F. Herth (Heidelberg, Germany) 3226

18:30 Emerging Quantitative Methods for BLVR Patient Selection & Treatment Planning
3227

18:50 Panel discussion: Will devices enable personalized treatment of COPD?
Dirk-Jan Slebos (Groningen, Netherlands) 3228

Room ICC Capital Suite Session 490 17:30 - 19:00
Industry evening mini symposium: Optimizing patient care: Challenging clinical cases in CTEPH
Organised by Merck Sharp & Dohme Corp.
Chairs: Gérald Simonneau (Le Kremlin-Bicêtre, France)

17:30 Welcome and introduction
Gérald Simonneau (Le Kremlin-Bicêtre, France) 3229

17:35 Advancing the care of patients with CTEPH: Leveraging the treatment guidelines
Adam Torbicki (Warsaw, Poland) 3230

17:50 Optimizing patient care in the real-world
David Langleben (Montréal, QC, Canada) 3231

18:05 Improving patient outcomes: Learning from challenging clinical cases in CTEPH
Gérald Simonneau (Le Kremlin-Bicêtre, France), H. Ardeschir Ghofrani (Giessen, Germany), Irene Lang (Vienna, Austria) 3232

18:50 Expert panel with all speakers - Q&A session
Gérald Simonneau (Le Kremlin-Bicêtre, France) 3233

Room ICC Capital Suite Session 491 17:30 - 19:00
Industry evening mini symposium: The Tuberculosis Journey: TB Detection and Management in Refugees and Migrants › A Case-Based, Interactive Program
Organised by Oxford ImmunoTec
Chairs: Juzar Ali (New Orleans, United States of America)

17:30 Welcome & Introductions
3234

17:35 Testing Migrants for LTBI: Lessons to Learn from the UK
Adam Cunningham (Birmingham, United Kingdom) 3235

18:15 The Public Health Experience in the US: Challenging Cases in Managing TB
Juzar Ali (New Orleans, United States of America) 3236

18:45 Question & Answer Session
3237
### Platinum Room 3+4  
**Session 507**  
**07:00 - 08:15**  
**Industry early morning symposium: Managing comorbidities in patients with COPD – SUMMIT and beyond**

*Organised by GlaxoSmithKline*

**Chairs:** Fernando J. Martinez (New York, United States of America)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</table>
| 07:00 | **Introduction from the Chair**  
Fernando J. Martinez (New York, United States of America) |
| 07:02 | **COPD and its comorbidities - cause or consequence?**  
Peter M. A. Calverley (Liverpool, United Kingdom) |
| 07:12 | **COPD and CVD/CV risk**  
Bartolome R. Celli (Boston, United States of America), David Newby (Edinburgh, United Kingdom) |
| 07:32 | **The benefit-risk of ICS/LABAs; emerging and existing evidence**  
Fernando J. Martinez (New York, United States of America), Courtney Crim (GSK, Research Triangle Park, United States of America) |
| 07:52 | **Panel discussion and Q&A** |
| 08:12 | **Close from the Chair**  
Fernando J. Martinez (New York, United States of America) |

### Room ICC Capital Suite 2+3  
**Session 632**  
**13:15 - 14:30**  
**Industry Practical Workshop: Medical Thoracoscopy**

*Organised by Karl Storz GmbH & Co.KG*

**Chairs:** Ralf Heine (Halle, Germany)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</table>
| 13:15 | **Presentation about Medical Thoracoscopy**  
|     |     | 4481 |
| 13:30 | **Hands-on workshop: practical demonstration and training** |
| 13:50 |     |

### Room ICC Capital Suite 1  
**Session 633**  
**13:15 - 14:30**  
**Industry Practical Workshop: The Orkney Islands to IntraOral Scanning – the latest topics in Dental Sleep medicine**

*Organised by ResMed*

**Chairs:** Holger Woehrle (Blaubeuren, Germany)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</table>
| 13:15 | **Orcades' presentation**  
Marie-Pia D'Ortho (PARIS, France) |
| 13:40 | **Intraoral Scanner mini study**  
Bruno Navailles (Valence, France) |
| 14:05 | **Hands on of a scanner** |
| 14:50 |     |

### Room ICC Capital Suite 16  
**Session 634**  
**13:15 - 14:30**  
**Industry Practical Workshop: iVAPS in life support and telemedicine in ventilation**

*Organised by ResMed*

**Chairs:** Pierre-Charles Neuzeret (Martinsried, Germany)

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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</table>
| 13:15 | **iVAPS Auto EPAP in Astral**  
Cesare Gregoretti (TORINO, TO, Italy) |
| 14:00 | **Healthcare informatics Solution for remote titration with Lumis 150**  
Brad Templeton (Abingdon, United Kingdom) |
Prince Regent Room  
Session 668  
17:15 - 19:15

Industry evening symposium: Targeting Eosinophils: Advancements in the Treatment of Severe Asthma

ATLAS ID: 991,301.011  Date of Prep: June 2016  Date of Expiry: October 2016
This meeting is organized by AstraZeneca.

Organised by AstraZeneca

Chairs: Andrew Menzies-Gow (London, United Kingdom)

<table>
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<tbody>
<tr>
<td>17:15</td>
<td>Welcome and Introductions</td>
<td>Andrew Menzies-Gow (London, United Kingdom)</td>
</tr>
<tr>
<td>17:20</td>
<td>Severe Eosinophilic Asthma: Unmet Need, Therapeutic Targets and Biomarkers</td>
<td>Mario Castro (St. Louis, United States of America)</td>
</tr>
<tr>
<td>17:45</td>
<td>Panel Discussion and Audience Q&amp;A</td>
<td>ALL</td>
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<tr>
<td>17:55</td>
<td>Eosinophils: Implications of their Biology for Targeted Therapeutics</td>
<td>Andrew Menzies-Gow (London, United Kingdom)</td>
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<tr>
<td>18:20</td>
<td>Panel Discussion and Audience Q&amp;A</td>
<td>ALL</td>
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<tr>
<td>18:30</td>
<td>Clinical Evidence for Therapeutic Strategies in Eosinophilic Asthma</td>
<td>J. Mark Fitzgerald (Vancouver, Canada)</td>
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<tr>
<td>18:55</td>
<td>Panel Discussion and Audience Q&amp;A</td>
<td>ALL</td>
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Room B  
Session 669  
17:15 - 19:15

Industry evening symposium: The essentials of COPD maintenance therapy

Organised by Boehringer Ingelheim Pharma GmbH & Co. KG

Chairs: Peter M. A. Calverley (Liverpool, United Kingdom)

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<tbody>
<tr>
<td>17:15</td>
<td>Welcome and introduction</td>
<td>Peter M. A. Calverley (Liverpool, United Kingdom)</td>
</tr>
<tr>
<td>17:20</td>
<td>Review of pharmacological aspects of COPD maintenance therapies</td>
<td>Kai Michael Beeh (Wiesbaden, Germany)</td>
</tr>
<tr>
<td>17:45</td>
<td>Why exacerbations are such an important outcome and how to prevent them</td>
<td>Bartolome R. Celli (Boston, United States of America)</td>
</tr>
<tr>
<td>18:10</td>
<td>A patient-centred critical appraisal of the role of the inhalation device</td>
<td>Richard Russell (Lymington, United Kingdom)</td>
</tr>
<tr>
<td>18:35</td>
<td>COPD maintenance therapy: A future perspective</td>
<td>Peter M. A. Calverley (Liverpool, United Kingdom)</td>
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<tr>
<td>19:00</td>
<td>Q&amp;A</td>
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<tr>
<td>19:10</td>
<td>Summary and closing</td>
<td>Peter M. A. Calverley (Liverpool, United Kingdom)</td>
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</table>

Platinum Room 1+2  
Session 670  
17:15 - 19:15

Industry evening symposium: Modern management of airways disease

Organised by Chiesi Farmaceutici S.p.A.

Chairs: Karl-Christian Bergmann (Berlin, Germany), Alberto Papi (FERRARA, Italy)

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>17:15</td>
<td>Introduction</td>
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<tr>
<td>17:30</td>
<td>History of asthma management</td>
<td>Karl-Christian Bergmann (Berlin, Germany)</td>
</tr>
</tbody>
</table>
**Session K**  
**Room K**  
**Session 671**  
**17:30 - 19:00**  
**Industry evening mini symposium: How technology can redefine support for PAH patients**  
*Organised by GlaxoSmithKline*  
**Chairs:** Luke Howard (London, United Kingdom), Robert Huxford (London, United Kingdom)  

- **17:30**  
  **Opening - GSK**  
  Robert Huxford (London, United Kingdom)  

- **17:35**  
  **The role of technology in disease management of PAH patients.**  
  Luke Howard (London, United Kingdom)  

- **18:00**  
  **EMPHASIS 10: Quality of life and digital assessment in PAH**  
  Janelle Yorke (Manchester, United Kingdom)  

- **18:25**  
  **MyPAH App - Patient impact and support.**  
  Iain Armstrong (Sheffield, United Kingdom)  

- **18:45**  
  **Question and Answer - All**  

- **18:55**  
  **Close**

**Session 672**  
**Room J**  
**17:30 - 19:00**  
**Industry evening expert forum: Modifying Alpha-1 Antitrypsin Deficiency Related Emphysema: From Evidence to Practice**  
*Organised by CSL Behring GmbH*  
**Chairs:** Noel Gerard McElvaney (Dublin, Ireland), Ilaria Ferrarotti (PAVIA, Italy)

- **17:30**  
  **Welcome and introduction**  
  Noel Gerard McElvaney (Dublin, Ireland)  

- **17:35**  
  **Determining disease modification in AATD: Lessons learned**  
  Joanna Chorostowska-Wynimko (Warszawa, Poland)  

- **17:55**  
  **Disease modification in AATD: Changing the course of disease progression**  
  Kenneth R. Chapman (Toronto, Canada)  

- **18:20**  
  **Caring for patients with AATD: What guidelines don't tell you**  
  Andreas Rembert Koczulla (MARBURG, Germany)  

- **18:40**  
  **Roundtable discussion**

**Session 673**  
**Room ICC Capital Suite 11**  
**17:30 - 19:00**  
**Industry evening mini symposium: Thinking beyond CPAP - Emerging alternative treatments for OSA**  
*Organised by Nightbalance, BLUESOM and Inspire Medical Systems*  
**Chairs:** Winfried J. Randerath (Solingen, Germany)

- **17:30**  
  **Introduction**  
  Winfried J. Randerath (Solingen, Germany)
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>17:35</td>
<td>Individualized treatments for Obstructive Sleep Apnea - the psychiatrists perspective</td>
<td>Pierre Philip (Bordeaux, France)</td>
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<td>17:50</td>
<td>Positional Therapy for Obstructive Sleep Apnea</td>
<td>Madeline Ravesloot (Amsterdam, Netherlands)</td>
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<td>18:10</td>
<td>Oral Appliances for Obstructive Sleep Apnea</td>
<td>Bernard Fleury (Paris, France)</td>
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<td>18:30</td>
<td>Upper Airway Stimulation for Obstructive Sleep Apnea</td>
<td>Patrick Strollo (Pittsburgh, United States of America)</td>
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<td>18:50</td>
<td>Closing remarks</td>
<td>Winfried J. Randerath (Solingen, Germany)</td>
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<tr>
<td>17:30</td>
<td>Industry evening mini symposium: New challenges in respiratory diseases management</td>
<td>Chairs: Helgo Magnussen (Großhansdorf, Germany), NanShan Zhong (Guangzhou, China)</td>
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<td>17:30</td>
<td>PATIENTS PROFILES: FROM BEDSIDE TO GUIDELINES</td>
<td>Nicola Hanania (Houston, United States of America)</td>
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<td>18:10</td>
<td>OXIDATION PATHWAY AND EXACERBATIONS: THE ROLE OF N-ACETYL-CYSTEINE</td>
<td>Mario Cazzola (ROMA, RM, Italy)</td>
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<td>18:50</td>
<td>QUESTION AND ANSWER AND CONCLUDING REMARKS</td>
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<td>17:30</td>
<td>Industry evening mini symposium: Smoking cessation &amp; pulmonary disorders: new horizons for smoking cessation</td>
<td>Chairs: Philip Tønnesen (Glostrup, Denmark)</td>
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<td>17:30</td>
<td>Welcome &amp; introduction by the chair</td>
<td>Philip Tønnesen (Glostrup, Denmark)</td>
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<td>17:35</td>
<td>Lung disease, mental illness and smoking - what's the story</td>
<td>Carlos Andres Jimenez Ruiz (Madrid, Spain)</td>
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<td>18:00</td>
<td>What's new for smoking cessation treatments?</td>
<td>Keir E Lewis (Dyfed, Wales, United Kingdom)</td>
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<td>18:50</td>
<td>Panel discussion\Question and Answer session</td>
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<td>17:30</td>
<td>Industry evening mini symposium: Metered Cryospray – An Innovative Approach for Chronic Bronchitis Patients</td>
<td>Chairs: James F. Donohue (Chapel Hill, United States of America)</td>
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<td>Introduction</td>
<td>James F. Donohue (Chapel Hill, United States of America)</td>
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<td>17:35</td>
<td>Inflammation and Goblet Cells in the Lungs of Chronic Bronchitis Patients - A Need to Break the Cycle</td>
<td>Gerard J. Criner (Philadelphia, United States of America)</td>
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17:45  Revolutionizing Chronic bronchitis treatment with the use of Liquid Nitrogen Spray Cryotherapy - Introducing The RejuvenAir® Metered Cryospray System
Ellen Sheets (Boston, United States of America)

17:55  Theory and Evidence Behind RejuvenAir Metered Cryospray - Cryobiology and Treated Airway Pathology
James Coad (, United States of America)

18:10  Results of the Safety and Histological Effects of RejuvenAir Metered Cryospray in the Lung - Safety and Feasibility Studies
Dirk-Jan Slebos (Groningen, Netherlands)

18:25  Effects of Right Lower Lobe Treatment of Symptomatic Chronic Bronchitis Patients with Airflow Restrictions - Safety and Feasibility Study
Pallav L. Shah (London, United Kingdom)

18:40  The RejuvenAir clinical path and the future potential for clinical practice
Ellen Sheets (Boston, United States of America)

Room ICC Capital Suite 4  Session 677  17:30 - 19:00

Industry evening mini symposium: Targeted Lung Denervation in Obstructive Lung Disease: Concept to Clinic
Organised by Holaira

Chairs: Felix J.F. Herth (Heidelberg, Germany), Alvar Agusti Garcia-Navarro (Barcelona, Spain)

17:30  Welcome
Felix J.F. Herth (Heidelberg, Germany), Alvar Agusti Garcia-Navarro (Barcelona, Spain)

17:35  Cholinergic Pathways and the limitations of inhaled therapeutics
Reinoud Gosens (Groningen, Netherlands)

17:43  Mechanism of Action and the Holaira™ Lung Denervation System
Martin Mayse (Minneapolis, United States of America)

18:00  Targeted Lung Denervation (TLD) in COPD Patients: IPS I/II, AIRFLOW-1, and AIRFLOW-2 Trials
Arschang Valipour (WIEN, Austria)

18:30  New TLD Indication: Asthma RELIEF-1 Study
Felix J.F. Herth (Heidelberg, Germany)

18:38  Panel Discussion and Q & A
Felix J.F. Herth (Heidelberg, Germany), Alvar Agusti Garcia-Navarro (Barcelona, Spain), Reinoud Gosens (Groningen, Netherlands), Martin Mayse (Minneapolis, United States of America), Arschang Valipour (WIEN, Austria)

Room ICC Capital Suite 2+3  Session 678  17:30 - 19:00

Industry evening expert forum: Optimizing patient care in PAH
Organised by Merck & Co, Inc.

Chairs:  H. Ardeschir Ghofrani (Giessen, Germany)

17:30  Welcome and introduction
H. Ardeschir Ghofrani (Giessen, Germany)

17:35  Improving patient care: How different mechanistic approaches impact treatment outcomes
Sean Gaine (Dublin, Ireland)

17:50  Optimizing patient care with various treatment agents
Marius M. Hoeper (Hannover, Germany)

18:05  Assessing real world patient outcomes
Gérald Simonneau (Le Kremlin-Bicêtre, France)

18:20  A challenging clinical case to improve patient care
Horst Olschewski (GRAZ, Austria)
Advancing treatment for patients with PAH: guidelines in practice
H. Ardeschir Ghofrani (Giessen, Germany)

Panel discussion and meeting close
H. Ardeschir Ghofrani (Giessen, Germany)

Room ICC Capital Suite Session 679 17:30 - 19:00
Industry evening expert forum: NTM Patient Case Studies – Treatment Considerations
Organised by Insmed

17:30 Patient Case studies, including presentation, diagnosis, treatment decision
Patrick Flume (Charleston, United States of America)

18:15 Patient Case studies, including presentation, diagnosis, treatment decision
Tobias Welte (Hannover, Germany)

Room ICC Capital Suite Session 724 17:30 - 19:00
Industry evening mini symposium: Home Non-Invasive Ventilation for COPD patients: New perspectives from the HOT-HMV Trial
Organised by ResMed and Philips
Chairs: David White (Boston, United States of America), Holger Woehrle (Blaubeuren, Germany)

17:30 Introduction
David White (Boston, United States of America), Holger Woehrle (Blaubeuren, Germany)

17:35 HOT-HMV: study objectives, methodology and results
Patrick B. Murphy (Oxted, United Kingdom)

18:00 Lessons learned from HOT-HMV: techniques and monitoring
Nicholas Hart (London, United Kingdom)

18:25 Home-NIV for COPD - where are we now with the evidence
Michael Dreher (Aachen, Germany)

18:40 Panel discussion and Q&A
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AUTHOR INDEX

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