



WINTER MEETING 2023



**British
Thoracic
Society**

Full Programme and Conference Information

**WEDNESDAY 22 TO FRIDAY 24 NOVEMBER
QEII CENTRE, LONDON**

Early bird discount deadline: 23:59 on 2 October 2023

Please see our website: brit-thoracic.org.uk

Better lung health **for all**

WELCOME

Dear Colleagues

I am delighted to present to you our full programme of lectures, major symposia, spoken and poster sessions for the 2023 BTS Winter Scientific Meeting, which will be held onsite at the QEII Centre in London.

The BTS Winter Scientific Meeting is the highlight of our professional calendar and is a great opportunity to showcase the very best of UK and international respiratory medicine. Our hard-working Science and Research Committee has selected an outstanding line up of national and international expert speakers for this year's Meeting.

Our symposia programme aims to cover the breadth of our speciality, and to highlight the latest advances in clinical, translational and basic science, providing superb science and education for all healthcare professionals and scientists who are working hard to improve how we care for patients with respiratory disease.

In this updated version of the programme, we include details of our outstanding spoken, poster and moderated poster sessions, presenting cutting edge research. You will notice a theme in the titles of this year's abstract sessions, which are all named around our favourite songs – we hope you have as much fun attending these sessions as our "rock star" Science and Research Committee had in scheduling them!

The spoken, poster and moderated poster abstract sessions provide great platforms for sharing the most up-to-date advances and they remain a key part of the Meeting. We have received many excellent abstract submissions that I am sure will generate some very productive interactions.

We should be extremely proud of the strength of UK respiratory medicine and the role we play in caring for our patients and pushing forward international science in this field. It is for this reason I am particularly pleased that this year the British Thoracic Society, Asthma + Lung UK and the British Association for Lung Research have come together to create two new awards to recognise outstanding clinical and translational research: the BTS/A+LUK and the BTS/BALR Lecture Awards. Congratulations to the inaugural winners and let's see this as one of many opportunities to celebrate the accomplishments of our speciality.

Along with the outstanding science, the Winter Meeting provides an invaluable opportunity to network with friends and colleagues from across the country and internationally. We are all really looking forward to this year's event, which always provides great opportunities for one-to-one interactions with clinicians, allied health professionals and scientific colleagues.

I look forward to welcoming you to the Winter Meeting in London in November 2023.

Yours faithfully



Professor James Chalmers
Chair, BTS Science and Research Committee



BTS SCIENCE AND RESEARCH COMMITTEE MEMBERS – THE 2023 WINTER MEETING PLANNING COMMITTEE:

Professor James Chalmers (Chair)	Dr Stephen Holmes	Professor Karl Staples
Professor Mona Bafadhel	Dr Kate Lippiett	Dr Matthew Steward
Dr Rebecca D'Cruz	Dr Anthony Martinelli	Dr Roger Thompson
Dr Louise Fleming	Dr Pujan Patel	Dr Steven Walker
Dr Frances Grudzinska	Dr Aran Singanayagam	Dr Thomas Ward

GENERAL INFORMATION

CONFERENCE ORGANISATION AND GENERAL ENQUIRIES

The Winter Meeting is organised by the British Thoracic Society. Please direct all general conference enquiries via email to: bookings@brit-thoracic.org.uk

FINAL PROGRAMME

The complete Final Programme, including abstracts, is published as a supplement to *Thorax* and will be available to all participants in advance of the Meeting on the BTS website: www.brit-thoracic.org.uk

THE VENUE

QEII Centre, Broad Sanctuary Westminster, London, SW1P 3EE (opposite Westminster Abbey).
For directions, please visit: qeicentre.london/about/location

BTS/A+LUK/BALR LECTURE AWARDS

British Thoracic Society, Asthma + Lung UK and the British Association for Lung Research are delighted to announce the winners of this important new award, which recognises outstanding clinical and translational research and celebrates an excellent track record of achievement and impact in respiratory research.

BTS/A+LUK Lecture Award Winner – Dr Hannah Durrington

BTS/BALR Lecture Award Winner – Dr Marko Nikolic

Both will present their work in the special Lecture Award session on Wednesday 22 November at 1.15pm (please see page 6 for details).

CPD APPROVAL

Application pending for CPD approval from the Federation of the Royal Colleges of Physicians of the UK. When approved, we will automatically register all eligible delegates for CPD when they pre-register for the Meeting.

ATTENDANCE CERTIFICATES

Certificates of attendance will be sent via email to all registered delegates after the event.

AWARD PRESENTATIONS

The presentation of awards will take place in the Churchill Auditorium on the ground floor of the venue, at 4.15pm on Wednesday 22 November. These presentations will include the BTS Medal, BTS President's Award, BTS Award for Meritorious Service, BTS Medical Student Prizes, the BTS/BALR/A+LUK Early Career Investigator of the Year Awards, and the BTS/A+LUK/BALR Lecture Awards.

PRESIDENT'S RECEPTION

The President's Reception will be held on Thursday 23 November from 5.45pm to 7.00pm in the Britten lounge on the 3rd floor of the QEII Centre. All those attending the Winter Meeting are warmly invited to attend this informal social occasion and enjoy light refreshments in convivial surroundings. Although the reception is free to attend, for catering purposes we do need to know the numbers attending, so please indicate this on the registration form.

HOTEL ACCOMMODATION

MICE Concierge have been appointed as the official accommodation and concierge service for the Winter Meeting. MICE Concierge offer a complete solution for travel and accommodation, offering exclusive discounted hotel rates at carefully selected event hotels. Please contact MICE Concierge direct for all accommodation enquiries. Please note that BTS is unable to assist with any accommodation bookings or queries.

Tel: 01483 908 770

Email: hello@miceconciierge.com

Website: www.miceconciierge.com/btswintermeeting2023



#BTSWinter2023

The British Thoracic Society gratefully acknowledges sponsorship from the under listed companies, through the purchase of exhibition space at the Winter Meeting 2023. None of them have had any input into the programme content or the planning of the conference. Furthermore, the Society does not allow any sponsored symposia at this event, within the programme, or associated in any way with it.

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FULL PROGRAMME

WEDNESDAY 22 NOVEMBER

8.00am – 8.30am **JOURNAL CLUB**
COUGH

Dr Arietta Spinou (London)

Learning objectives

To review recent published evidence in the field of acute and chronic cough.

8.30am – 10.30am **JOINT BTS/BALR SYMPOSIUM PART 1**
ANOTHER BRICK IN THE WALL: CELL INTERACTIONS WITH THE LUNG MATRIX

Chaired by: Dr Katy Roach (Leicester) and Dr Owen Tomlinson (Exeter)

- 1) Symphony: insights from multicellular models
Dr Charlotte Dean (London)
- 2) Start me up: fibroblasts at the centre of the matrix
Professor Janette K Burgess (Groningen)
- 3) Squeeze box: influence of smooth muscle
Dr Amanda Tatler (Nottingham)

Learning objectives

- To provide an overview of how multicellular models are informing our understanding of the cellular interactions and pathways involved in airway remodelling with a specific focus on the extracellular matrix.
- To highlight the controlling role of the fibroblast in remodelling the lung extracellular matrix and how it can be therapeutically targeted.
- To understand the smooth muscle cell drivers to lung extracellular matrix remodelling.

8.45am – 10.15am **SYMPOSIUM**
BEAT IT: ASTHMA, HORMONES, MUCUS AND INFECTION

Chaired by: Dr Maisha Jabeen (Oxford) and Professor David Jackson (London)

- 1) Hormones and asthma: what the science tells us
Dr Dawn Newcomb (Nashville)
- 2) Mucus and asthma: causes and management
Professor Parameswaran Nair (Hamilton, Ontario)
- 3) Asthma and the microbiome
Dr Sarah Diver (Leicester)

Learning objectives

- To learn about the role of sex hormones in asthma.
- To learn about the causes and management of mucus production in asthma.
- To review the role of the microbiome in asthma.

8.45am – 10.15am **SYMPOSIUM**
TRANSPORT FUMES, FLAVOURINGS AND FIRES: EMERGING RESPIRATORY RISKS IN OCCUPATIONAL AND ENVIRONMENTAL LUNG DISEASES

Chaired by: Dr Peter Reid (Edinburgh) and Dr Ruth Wiggins (Manchester)

- 1) The respiratory hazards of transport emissions: trains, planes and automobiles: where are we?
Dr Matthew Loxham (Southampton)
- 2) Emerging occupational lung diseases associated with the food flavourings industries: what we can learn
Dr Kristin Cummings (Richmond, California)
- 3) The respiratory risks of fire smoke exposure
Dr Johanna Feary (London)

Learning objectives

- To be aware of the components of transport-related air pollution and the respiratory risks of exposure and how to mitigate against them.
- To appreciate the respiratory diseases caused by exposure to food flavourings.
- To understand the respiratory risks of fire smoke exposure including wildfires.

8.45am – 10.05am **SPOKEN SESSION: S1-S5**
"THE DRUGS DO WORK!" - NEW TREATMENTS IN COUGH

8.45am – 10.05am **SPOKEN SESSION: S6-S10**
"SURVIVOR" - PROGNOSTIC INDICATORS IN ILD

8.45am – 10.05am **SPOKEN SESSION: S11-S15**
"DON'T WANT TO MISS A THING" - NOVEL DIAGNOSTICS IN MALIGNANT EFFUSION AND PLEURAL INFECTION

8.45am – 10.20am **SPOKEN SESSION: S16-S21**
"SHAKE IT OFF" - RECOVERY FROM COVID-19

8.45am – 10.20am **SPOKEN SESSION: S22-S27**
"THE BEAT GOES ON" - NOVEL DATA IN MUCOCILIARY DISORDERS: PCD, CF AND BRONCHIECTASIS

10.45am – 11.50am **SPOKEN SESSION: S28-S31**
"HOW TO SAVE A LIFE" - T2 INFLAMMATORY PROFILES IN COPD

10.45am – 12.05pm **SPOKEN SESSION: S32-S36**
"REVOLUTION" - UPDATES FROM UK CANCER SCREENING

10.45am – 12.05pm **SPOKEN SESSION: S37-S41**
"RIGHT HERE, RIGHT NOW" - BENCH TO BEDSIDE IN PULMONARY VASCULAR DISEASE

10.45am – 12.15pm **SYMPOSIUM**
WHAT MUST BE DONE TO "END TB"?

Chaired by: Dr Martin Dedicoat (Birmingham) and Dr Kerry Millington (Liverpool)

- 1) TB control: a global health perspective
Professor Jeremiah Chakaya Muhwa (Nairobi)
- 2) Science of TB control
Professor JoAnne Flynn (Pittsburgh)
- 3) "Ending TB" as one of many poverty-related threats to lung health: learning from Africa
Professor Uju Ozoh (Nigeria)
- 4) What makes a difference to people in TB clinics?
Dr Jessica Potter (London)

Learning objectives

- To describe the host-pathogen interactions that can limit TB infection and disease, stop transmission and control TB.
- To understand and define the key areas that need to be addressed if we are to eliminate TB by providing better health and care for all.
- To have a better understanding of the challenges on the ground of work to end TB whilst simultaneously tackling other poverty-related threats to lung health.
- To outline the individual psychosocial and broader structural system factors that can be improved to optimise TB control in a UK setting.

10.45am – 12.15pm **SYMPOSIUM**
NOVEL PHYSIOLOGICAL BIOMARKERS IN THE DIAGNOSIS OF RESPIRATORY AND SLEEP DISORDERS

Chaired by: Julie Lloyd (Birmingham) and Dr Joanna Shakespeare (Coventry)

- 1) Hyperpolarised MRI and multiple breath washout: ready for the clinic?
Dr Laurie Smith (Sheffield)
- 2) Breathomics and acute breathlessness
Professor Salman Siddiqui (London)
- 3) Artificial intelligence and wearables in the diagnosis of sleep disorders
Dr Cathy Goldstein (Ann Arbor, Michigan)

Learning objectives

- To discuss the role of novel imaging and physiology techniques in respiratory medicine.
- To identify the diagnostic value of exhaled breath biomarkers in the differential diagnosis of acutely breathless patients.
- To discuss the role of novel diagnostics for sleep disorders utilising artificial intelligence and digital health.

10.45am – 12.20pm **SPOKEN SESSION: S42-S47**
"THE KIDS AREN'T ALRIGHT" - DOES THIS CHILD HAVE ASTHMA, OR SOMETHING ELSE?

11.00am – 1.00pm **JOINT BTS/BALR SYMPOSIUM PART 2**
ANOTHER BRICK IN THE WALL: CELL INTERACTIONS WITH THE LUNG MATRIX

Chaired by: Dr Kylie Belchamber (Birmingham) and Professor Karl Staples (Southampton)

- 1) I don't WNT to miss a thing: epithelial control of airway remodelling
Professor Melanie Königshoff (Pittsburgh)
- 2) Eat, sleep, rave, repeat: macrophages as guardians of the matrix
Professor Clare Lloyd (London)
- 3) B(eat) it: plasma cell depletion protects against fibrosis
Dr Cecilia Prêle (Perth)

Learning objectives

- To highlight the controlling role of the epithelium in remodelling the lung extracellular matrix and the WNT pathway in particular, and how it can be therapeutically targeted.
- To understand the mechanisms by which macrophages drive lung extracellular matrix remodelling.
- To highlight new research demonstrating the role of B cells in lung remodelling.

1.00pm – 1.45pm **AWARD LECTURES**
BTS/A+LUK/BALR LECTURE AWARDS

Judged by: Professor Mona Bafadhel (London), Professor James Chalmers (Dundee) and Professor Karl Staples (Southampton)

- 1) Asthma ... time is of the essence
Dr Hannah Durrington (Manchester)
- 2) Immune and lung epithelial development in health and disease
Dr Marko Nikolic (London)

2.15pm – 3.15pm **POSTER DISCUSSION: P1-P8**
"BLOWING IN THE WIND" - MANAGEMENT OF PNEUMOTHORAX

2.15pm – 3.25pm **POSTER DISCUSSION: P9-P17**
"DRUG-STABBING TIME" - TREATING THORACIC MALIGNANCY

2.15pm – 3.45pm **SYMPOSIUM**
PREVENTING RESPIRATORY INFECTIONS: RISING TO THE CHALLENGE

Chaired by: Dr Catherine Hyams (Bristol) and Professor Wei Shen Lim (Nottingham)

- 1) Respiratory challenge studies in COVID and beyond
Professor Christopher Chiu (London)
- 2) Respiratory syncytial virus vaccination
Professor Peter Openshaw CBE (London)
- 3) Tuberculosis prevention: can we do better than BCG?
Professor Helen McShane (Oxford)

Learning objectives

- To discuss the role of human challenge studies in the understanding of disease pathogenesis and vaccine development.
- To review recent data on vaccination against respiratory syncytial virus and its potential impact on public health.
- To review developments towards a new vaccine against tuberculosis.

2.15pm – 3.45pm **JOINT BTS/BPRS SYMPOSIUM**
CHEST WALL DEFORMITIES: WHO, WHY, WHAT TO DO AND WHEN?

Chaired by: Dr Cara Bossley (London) and Dr Sonal Kansra (Sheffield)

- 1) Overview of chest wall deformities: definitions, causes and associations
Dr Julian Forton (Cardiff)
- 2) Conservative management of chest wall deformity
Ashley Johnstone (Glasgow)
- 3) Pectus and me: patient stories chronicling the challenges of living with pectus
Lynne Evans (Parent and pectus advocate)
- 4) Surgical interventions and pre-op considerations
Mr Joel Dunning (Middlesbrough)

Learning objectives

- To learn about the terminology and causes of chest wall deformity.
- To identify which children require further investigations and apply available evidence to effectively manage children with chest wall deformity.
- To discuss the patient journey including investigation and currently available treatments and the impact of the child and their family.

2.15pm – 3.45pm **SYMPOSIUM**
JOINT BTS/BALR/A+LUK EARLY CAREER INVESTIGATOR AWARDS

Judged by: Professor Mona Bafadhel (London), Professor James Chalmers (Dundee) and Professor Karl Staples (Southampton)

This symposium will showcase the very best original research submitted to the Winter Meeting by UK scientists and clinicians in the early part of their research career, as they compete for prestigious prizes from the British Thoracic Society, British Association for Lung Research and Asthma + Lung UK.

2.15pm – 3.45pm **MODERATED POSTER DISCUSSION: M1-M12**

"THE LONG AND WINDING ROAD" - OPTIMISING PATIENT EXPERIENCE OF RESPIRATORY CARE

2.15pm – 3.50pm **POSTER DISCUSSION: P18-P30**
"WALK THIS WAY" - INNOVATIONS IN PULMONARY REHABILITATION

2.15pm – 4.00pm **POSTER DISCUSSION: P31-P44**
"DANGER! HIGH VOLTAGE" - DIAGNOSIS AND MANAGEMENT OF SLEEP DISORDERED BREATHING AND RESPIRATORY FAILURE

2.15pm – 4.00pm **POSTER DISCUSSION: P45-P58**
"THE HEAT IS ON" - CAN WE GET GREENER IN ASTHMA?

4.15pm – 4.45pm **BTS AWARD PRESENTATIONS**

4.45pm – 5.30pm **BTS PRESIDENT'S ADDRESS**
"#RESPISBEST"

Professor Jonathan Bennett (Leicester)

Introduced by: Professor Onn Min Kon (London)

5.45pm – 6.15pm **BTS ANNUAL GENERAL MEETING**
(BTS members only)

THURSDAY 23 NOVEMBER

8.00am – 8.30am **JOURNAL CLUB**

ASTHMA

Dr Hitasha Rupani (Southampton)

Learning objectives

To review recent publications in the field of asthma and discuss their potential impact on clinical practice.

8.45am – 9.50am **SPOKEN SESSION: S48-S51**

"DON'T STOP BELIEVING" - TUMOUR BIOLOGY: IMPLICATIONS FOR TREATMENT

8.45am – 10.05am **SPOKEN SESSION: S52-S56**

"RUNNING UP THAT HILL" - REHABILITATION INTERVENTIONS IN CHRONIC RESPIRATORY DISEASES

8.45am – 10.05am **SPOKEN SESSION: S57-S61**

"WORKING 9 TO 5" - OCCUPATION RISK TO THE LUNG

8.45am – 10.15am **SYMPOSIUM
SCIENTIFIC YEAR IN REVIEW: RESPIRATORY INFECTIONS**

Chaired by: Professor Alison Condliffe (Sheffield) and Dr Jamilah Meghji (London)

- 1) Acute respiratory infection
Professor Tom Wilkinson (Southampton)
- 2) Non-tuberculous mycobacterial infection and bronchiectasis
Professor Charles Daley (Denver)
- 3) Fungal respiratory infections
Professor Elaine Bignell (Exeter)

Learning objectives

- To review this year's key publications in the field of acute respiratory infections including pneumonia, COVID-19 and acute exacerbations of respiratory disease.
- To review this year's key publications in the field of non-tuberculous mycobacterial infections and bronchiectasis.
- To review this year's key publications in the field of fungal respiratory infections.

8.45am – 10.15am **SYMPOSIUM
CUTTING EDGE DIAGNOSTICS IN MALIGNANT PLEURAL DISEASE**

Chaired by: Dr Duneesha De Fonseka (Sheffield) and Dr Rachel Mercer (Portsmouth)

- 1) The BTS 2023 MPE guidelines: what they tell us and what is still unknown
Professor Nick Maskell (Bristol)
- 2) Biomarkers in the diagnosis of MPE and mesothelioma: are we ready to leave biopsies behind?
Dr Selina Tsim (Glasgow)

- 3) Optimal diagnostic pathway for suspected MPE: where is the evidence?
Dr Dinesh Addala (Oxford)

Learning objectives

- This symposium will open with an oversight of the BTS 2023 Malignant Pleural Effusion Guidelines. The session will outline the current evidence base and highlight areas of uncertainty.
- An insight of use of breath and blood biomarkers in diagnosis of pleural malignancy.
- An exploration of use of earlier biopsy and stratification of patients to a more aggressive diagnostic and treatment journey.

8.45am – 10.15am **SYMPOSIUM
THE CRITICAL CARE JOURNEY OF RESPIRATORY FAILURE: ACUTE MANAGEMENT TO WEANING**

Chaired by: Ms Stephanie Mansell (London) and Dr Dhruv Parekh (Birmingham)

- 1) Personalised management of ARDS in the COVID era
Professor Charlotte Summers (Cambridge)
- 2) The right ventricle: the forgotten ventricle?
Dr Segun Olusanya (London)
- 3) Liberation from mechanical ventilation: the WEANSAFE trial
Professor John Laffey (Galway)

Learning objectives

- Learning about clinical trials in COVID-19 and how the science from these can inform future trials of the management of ARDS.
- Understanding how to assess the function of the right ventricle and appreciation of the importance of RV dysfunction and pulmonary hypertension in outcomes from critical care.
- Understanding the burden of, management and spectrum of approaches to weaning from ventilation in critical care units worldwide.

8.45am – 10.20am **SPOKEN SESSION: S62-S67
"IT'S COMPLICATED" - ANSWERING THE UNANSWERED IN ASTHMA BIOLOGICS**

8.45am – 10.20am **SPOKEN SESSION: S68-S73
"IT'S NOT UNUSUAL" - RARE AND INTERSTITIAL LUNG DISEASE BIOLOGY**

10.45am – 12.05pm **SPOKEN SESSION: S74-S78
"YOU KNOW I'M NO GOOD" - INNOVATIVE APPROACHES TO SMOKING CESSATION**

10.45am – 12.30pm **SYMPOSIUM**
PLENARY SCIENTIFIC SYMPOSIUM

Chaired by: Professor James Chalmers (Dundee) and Professor Elizabeth Sapey (Birmingham)

- 1) Immune mechanisms of chronic airways infection
Professor Timothy Hinks (Oxford)
- 2) Mucociliary clearance in bronchiectasis: upbeat for the future?
Professor Amelia Shoemark (Dundee)
- 3) Asthma in the UK: insights from Big Data
Dr Chloe Bloom (London)
- 4) Translational pleural disease – pleural infection and beyond
Professor Najib Rahman (Oxford)

Learning objectives

- To discuss the speaker's research into mucosal immunity in chronic airways disease.
- To discuss the role of motile cilia in the pathogenesis of bronchiectasis and related disease.
- To discuss how big data can provide insights into asthma.
- To discuss new insights into risk stratification and management of pleural disease.

12.45pm – 2.00pm **OPEN SESSION**
NATIONAL RESPIRATORY AUDIT PROGRAMME

1.00pm – 1.45pm **GUEST LECTURE**
BTS CLINICAL LECTURE

POPULATION HEALTH AND PRECISION MEDICINE IN RESPIRATORY DISEASE - CAN WE ACHIEVE BOTH?

Professor Helen Reddel (Sydney)

2.15pm – 3.40pm **POSTER DISCUSSION: P59-P69**
"SWEET CHILD OF MINE" - INNOVATIONS IN PAEDIATRIC LUNG DISEASE

2.15pm – 3.45pm **SYMPOSIUM**
WHEN WE WERE YOUNG: THE INFLUENCE OF COPD

Chaired by: Dr James Dodd (Bristol) and Professor Wisia Wedzicha (London)

- 1) Inequalities and health policy in COPD
Professor Mike Morgan (Leicester)
- 2) Early origins of COPD lung
Professor Shyamali Dharmage (Melbourne)
- 3) Sub-typing of COPD: The Lancet Commission
Professor Daiana Stolz (Freiburg)

Learning objectives

- To review health inequalities in COPD from the UK and learn about the policy changes we have to impact on this.
- To learn about the effects of the early life course and impact on lung function trajectories in COPD.
- Review the recent Towards an Elimination of COPD Global Lancet Commission, focussing on the sub-type classification and what this may mean for clinical practice.

2.15pm – 3.45pm **SYMPOSIUM**
HOT TOPICS IN SLEEP

Chaired by: Dr Tim Quinnett (Cambridge) and Dr Sophie West (Newcastle upon Tyne)

- 1) The ANDANTE collaboration: worldwide individual data meta-analysis of the effect of sleep apnoea treatment on blood pressure
Dr Martino Pengo (Milan)
- 2) Positional therapy for obstructive sleep apnoea: results of the POSA study
Dr Julia Kelly (London)
- 3) Co-morbid insomnia and obstructive sleep apnoea (COMISA): something to lose sleep over?
Dr Hugh Selsick (London)

Learning objectives

- To be apprised of the findings of the international individual patient data meta-analysis on the effects of OSA treatment on blood pressure.
- To learn about the results of a multicentre UK RCT of an emerging non-CPAP approach for the treatment of positional obstructive sleep apnoea.
- To receive an update on the latest evidence regarding and clinical approach to co-existent insomnia and OSA.

2.15pm – 3.45pm **SYMPOSIUM**
BTS AUDIT AND QUALITY IMPROVEMENT

Chaired by: Dr Andrew Creamer (London) and Dr Mark Juniper (Swindon)

- 1) 2023 overview of BTS QI and Audit Programme
Dr Mark Juniper (Swindon)
- 2) BTS National Respiratory Support Audit 2023
Dr Michael Davies (Cambridge)
- 3) Analysis of National Reporting and Learning System patient safety data – pneumonia and NIV
Dr Andrew Creamer (London) and Dr Andy Molyneux (Nottinghamshire)
- 4) NCEPOD study on the care of patients presenting to hospital with community acquired pneumonia
Dr Mark Juniper (Swindon)
- 5) BTS QI programme for tobacco dependency treatment
Dr Robyn Fletcher (Nottingham)

Learning objectives

In this symposium participants will learn about:

- BTS National Respiratory Support Audit and what the results mean for services.
- Trends identified from patient safety incident data in pneumonia and NIV.
- Improving hospital care for patients with community acquired pneumonia.
- Local quality improvement in tobacco dependency treatment.

2.15pm – 3.45pm **POSTER DISCUSSION: P70-P81**
"I STILL HAVEN'T FOUND WHAT I'M LOOKING FOR" - CANCER DIAGNOSIS: IMAGING AND BRONCHOSCOPY

2.15pm – 3.45pm **POSTER DISCUSSION: P82-P93**
"WHEN THE GOING GETS TOUGH" - DIFFICULT INFECTION AND NON-TUBERCULOUS MYCOBACTERIA

2.15pm – 3.50pm **SPOKEN SESSION: S79-S84**
"BAD BLOOD" - BIOMARKERS AND MECHANISMS IN LONG COVID

2.15pm – 3.50pm **POSTER DISCUSSION: P94-P106**
"TAKE MY BREATH AWAY" - NOVEL DIAGNOSTICS IN RESPIRATORY DISEASE

2.15pm – 4.00pm **MODERATED POSTER DISCUSSION: M13-M26**
"AGAINST ALL ODDS" - FIGHT FOR THE FUTURE OF ASTHMA

4.15pm – 5.30pm **SPOKEN SESSION: S85-S89**
"TOTAL ECLIPSE OF THE HEART" - COPD AND CARDIOVASCULAR DISEASE

4.15pm – 5.45pm **SYMPOSIUM**
INTO THIN AIR: INNOVATIONS IN PNEUMOTHORAX
Chaired by: Professor Stefan Marciniak (Cambridge) and Professor Eleanor Mishra (Norwich)

- 1) The shifting landscape of pneumothorax: developments in epidemiology and aetiology
Dr Robert Hallifax (Oxford)
- 2) Managing persistent air leak: challenging the paradigms
Dr Steven Walker (Bristol)
- 3) Surgical state-of-the-art: which patients, when and what operation?
Mr Edward Caruana (Leicester)

Learning objectives

- An examination of novel concepts in the pathogenesis of spontaneous pneumothorax.
- An exploration of our current understandings of air leak in pneumothorax and how this impacts management.
- To set out the current surgical approaches for patients with pneumothorax.

4.15pm – 5.45pm **JOINT BTS/BPRS SYMPOSIUM**
PULMONARY MANIFESTATIONS OF SYSTEMIC DISEASE

Chaired by: Dr Ross Langley (Glasgow) and Dr Clare Sander (Cambridge)

- 1) Primary ciliary dyskinesia as part of a ciliopathy spectrum
Dr Claire Jackson (Southampton)
- 2) Respiratory disease in primary immunodeficiency
Professor Siobhan Burns (London)
- 3) Systemic vasculitides
Professor David Jayne (Cambridge)

Learning objectives

- To explore the scientific basis of a range of systemic disorders leading to pulmonary complications.
- To provide a state-of-the-art review of our current understanding of the genetic and molecular basis of rare disorders and their importance in diagnosis.
- To raise awareness of the importance of thinking outside the lungs in patients with respiratory symptoms.

4.15pm – 5.45pm **POSTER DISCUSSION: P107-P118**
"IT'S NOT EASY BEING GREEN" - SUPPURATIVE LUNG DISEASE

4.15pm – 5.30pm **POSTER DISCUSSION: P119-P131**
"THE WAY YOU MAKE ME FEEL" - BEYOND THE BASICS IN ASTHMA

4.15pm – 5.50pm **POSTER DISCUSSION: P132-P144**
"JUST LIKE A PILL" - TB TREATMENT CHALLENGES AND OUTCOMES

4.15pm – 5.15pm **POSTER DISCUSSION: P145-P151**
"DROP THE PRESSURE" - INVESTIGATING AND TREATING PULMONARY VASCULAR DISEASE

4.15pm – 5.45pm **OPEN SESSION**
BTS CLINICAL STATEMENT ON CHRONIC COUGH IN ADULTS

5.45pm – 7.00pm **BTS PRESIDENT'S RECEPTION**
All registered participants are warmly invited to attend this social occasion

FRIDAY 24 NOVEMBER

8.00am – 8.30am **JOURNAL CLUB** **TRANSPLANTATION**

Dr Anna Reed (London)

Learning objectives

- To discuss recent publications and clinical research in the field of lung transplantation.

8.30am – 10.00am **SYMPOSIUM** **NEW FRONTIERS IN LUNG CANCER DIAGNOSIS AND MANAGEMENT**

Chaired by: Dr Liz Fuller (Newcastle upon Tyne) and Dr Fraser Millar (Edinburgh)

- 1) The air we breathe: lung cancer due to air pollution
Professor Charles Swanton (London)
- 2) Hunting cancer in the blood: liquid biopsies
Professor Caroline Dive (Manchester)
- 3) Future horizons: radiotherapy for lung cancer
Dr Kevin Franks (Leeds)

Learning objectives

- To understand the associations of increasing 2.5µm PM (PM2.5) concentrations with cancer risk, particularly in never smokers.
- To understand the role of cancer biomarkers in the blood in diagnosis, personalised treatments and predicting recurrence.
- To understand the many advances in radiotherapy technology in patients with lung cancer, including the role of proton beam therapy, which means that more patients can be offered radical treatment.

8.30am – 10.00am **SYMPOSIUM** **"I'M NOT OLD, I'VE JUST BEEN YOUNG FOR A VERY LONG TIME"**

Chaired by: Professor Nick Simmonds (London) and Dr Joanna Whitehouse (Birmingham)

- 1) The future of cystic fibrosis care
Professor Scott Bell (Brisbane)
- 2) Ageing and cystic fibrosis
Dr Peter Barry (Manchester)
- 3) GI symptoms, CFTR and malignancy risk in cystic fibrosis
Professor Daniel Peckham (Leeds)

Learning objectives

- To describe the changing population, life expectancy and models of future care for CF.
- To describe the challenges in caring for an ageing CF population with reference to complex comorbidities.
- To describe ongoing GI challenges and malignancy risk in CF.

8.30am – 10.00am **SYMPOSIUM** **REHABILITATION IN RESPIRATORY DISEASE: WHERE NEXT?**

Chaired by: Professor Samantha Harrison (Middlesbrough) and Professor Ioannis Vogiatzis (Newcastle upon Tyne)

- 1) Pulmonary rehabilitation in diseases other than COPD
Dr Annemarie Lee (Melbourne)
- 2) The role of PR in identifying lung volume reduction candidates
Dr Sara Buttery (London)
- 3) The COVID recovery journey and the rehabilitation boat
Dr Enya Daynes (Leicester)

Learning objectives

- To determine the role of PR in treating people with chronic lung diseases other than COPD.
- To understand the potential role of PR in identifying candidates for lung volume reduction therapy.
- To describe the role of exercise-based rehabilitation in the treatment of individuals with post COVID symptoms.

8.30am – 10.05am **SPOKEN SESSION: S90-S95** **"LIGHT MY FIRE" - A DEEPER DIVE INTO INFLAMED AIRWAYS**

8.30am – 10.05am **SPOKEN SESSION: S96-S101** **"SCAR TISSUE" - PATHOGENESIS OF LUNG FIBROSIS**

8.30am – 10.05am **SPOKEN SESSION: S102-S107** **"INSOMNIA" - SCREENING, MANAGEMENT AND COMPLICATIONS OF SLEEP DISORDERED BREATHING**

8.30am – 10.05am **SPOKEN SESSION: S108-S113** **"MIRRORBALL" - THE MANY REFLECTIONS OF RESPIRATORY VIRAL INFECTION**

10.30am – 12.00pm **SYMPOSIUM**
UNDER PRESSURE: UNDERSTANDING COPD EXACERBATIONS

Chaired by: Professor Mona Bafadhel (London) and Dr Aran Singanayagam (London)

- 1) What are they?
Professor Alvar Agustí (Barcelona)
- 2) What causes them?
Dr Holly Keir (Dundee)
- 3) How do we prevent them?
Professor Dave Singh (Manchester)

Learning objectives

- To learn about the impact of exacerbations and how the exacerbation is defined, covering aspects of the ROME proposal.
- To learn about causes of exacerbations, specifically about the pathogen-host response.
- To review methods of treatment to reduce exacerbation burden.

10.30am – 12.00pm **SYMPOSIUM**
EARLY DETECTION OF INTERSTITIAL LUNG DISEASES: ADDRESSING AN UNMET NEED

Chaired by: Dr Amanda Goodwin (Nottingham) and Professor Bibek Gooptu (Leicester)

- 1) Lung cancer screening and detection of ILDs
Dr Conal Hayton (Manchester)
- 2) Automated computerised tomography predicting mortality in interstitial lung disease
Dr Joseph Jacob (London)
- 3) The incidence of lung cancer in ILD: do we need a screening protocol?
Dr Elisabetta Renzoni (London)

Learning objectives

- To appreciate how lung cancer screening programmes present a unique opportunity for early detection and management of ILDs.
- To recognise the role of novel imaging techniques in the prognostication of ILDs.
- To appreciate how these imaging techniques could be utilised in routine clinical practise. Guidance on lung cancer screening in IPF/ILD as limited data on how best and how frequently to offer cross sectional imaging in ILD as does have implications on management and prognosis.

10.30am – 12.05pm **SPOKEN SESSION: S114-S119**
"THE WINNER TAKES IT ALL" - THERAPY IN ASTHMA

10.30am – 12.05pm **SPOKEN SESSION: S120-S125**
"THE GREAT PRETENDER" - HOT TOPICS IN TB

10.30am – 12.05pm **SPOKEN SESSION: S126-S131**
"EBONY AND IVORY" - WHERE REAL WORLD AND LAB DATA MEET

10.30am – 12.05pm **SPOKEN SESSION: S132-S137**
"EVERY BREATH YOU TAKE" - NEW FINDINGS FROM THE PHYSIOLOGY LAB

10.45am – 11.50am **SPOKEN SESSION: S138-S141**
"BRIDGE OVER TROUBLED WATERS" - MANAGING THE EXUDATIVE EFFUSION

12:30pm – 1.15pm **GUEST LECTURE**
THE MORRISTON DAVIES LECTURE

Sir Martin Landray (Oxford)

1.30pm – 2.55pm **POSTER DISCUSSION: P152-P162**
"FEVER!" - COVID-19 AND PNEUMONIA

1.30pm – 3.00pm **SYMPOSIUM**
PULMONARY EMBOLIC DISEASE: CURRENT CONTROVERSIES AND COMPLICATIONS

Chaired by: Dr Colin Church (Glasgow) and Dr Judith Hurdman (Sheffield)

- 1) Catheter-directed therapy is the future for patients with intermediate-high/high risk PE – Pro
Professor Andrew Sharp (Cardiff)
- 2) Catheter-directed therapy is the future for patients with intermediate-high/high risk PE – Con
Professor Luke Howard (London)
- 3) The evolution of investigation and management in chronic thromboembolic pulmonary hypertension: balloons, drugs and knives
Dr Joanna Pepke-Zaba (Cambridge)

Learning objectives

Pulmonary embolism is increasing in incidence and is one of the commonly faced emergencies for all respiratory physicians.

- To explore the role of catheter directed therapy in the management of pulmonary embolism. What is its role currently? This is a debate to explore if there is a definitive strategy and subgroup of patients who can benefit from this therapy. This will be put in the context of evidence for systemic thrombolysis.
- To outline advances in the investigation of chronic thromboembolic pulmonary hypertension and appraise recent evidence for interventional treatment approaches.

1.30pm – 3.00pm **BTS STAG SYMPOSIUM
IMMUNOMETABOLISM FOR RESPIRATORY PHYSICIANS
AND SCIENTISTS**

Chaired by: Dr Frances Grudzinska (Birmingham) and Dr Anthony Martinelli (Cambridge)

- 1) Hypoxia, neutrophils and inflammation
Professor Sarah Walmsley (Edinburgh)
- 2) Iron metabolism and chronic lung disease
Dr Suzanne Cloonan (Dublin)
- 3) Novel therapeutics in respiratory infection: targeting immunometabolism
Dr Alba Llibre (Birmingham)

Learning objectives

- Provide an overview of what immunometabolism is and its relevance to respiratory medicine.
- Describe how metabolism influences host: pathogen interactions in the context of respiratory disease.
- Review how metabolism could be therapeutically tractable.

1.30pm – 3.00pm **SYMPOSIUM
HOW CAN WE ADDRESS INEQUALITIES IN NURSING CARE?**

Chaired by: Professor Ann-Louise Caress (Huddersfield) and Miss Padmavathi Parthasarathy (Leicester)

- 1) Health inequalities in end-of-life care
Ms Emma Rickards (Liverpool)
- 2) Exploring potential opportunities and challenges of REMOTE CARE for COPD
Dr Ratna Sohanpal (London)
- 3) Optimising breathlessness triggered services for older people
Professor Janelle Yorke (Manchester)

Learning objectives

- To be familiar with the preventable health differences in the population of COPD patients receiving end of life care.
- To explore the advantages and disadvantages of remote consultations for patients with COPD.
- To understand the role and effectiveness of breathlessness services for older people.

1.30pm – 3.00pm **POSTER DISCUSSION: P163-P174
"TWO WAY TRAFFIC" - CHALLENGING THE STATUS QUO IN
ASTHMA**

1.30pm – 3.05pm **POSTER DISCUSSION: P175-P187
"YOU AIN'T SEEN NOTHING YET" - IMAGING ACROSS COPD,
NODULES AND LUNG CANCER SCREENING**

1.30pm – 3.05pm **POSTER DISCUSSION: P188-P200
"GETTING BETTER" - INTERSTITIAL LUNG DISEASE: FROM
GENES TO THERAPY**

3.15pm – 4.25pm **MODERATED POSTER DISCUSSION:
M27-M35**

**"MY WAY" - INNOVATIVE PATHWAYS IN ASTHMA
MANAGEMENT**

3.15pm – 4.35pm **SPOKEN SESSION: S142-S146**

**"WELCOME TO THE JUNGLE" - DIVING INTO THE AIRWAY
MYCOBIOMES**

3.15pm – 4.40pm **POSTER DISCUSSION: P201-P211**

**"SIMPLY THE BEST" - EXACERBATIONS, SENESCENCE AND
QUALITY OF LIFE IN COPD**

3.15pm – 4.45pm **SYMPOSIUM
LUNG CANCER SCREENING: TREATING SMOKERS, FINDING
RESPIRATORY DISEASE**

Chaired by: Dr Zaheer Mangera (London) and Dr Emma O'Dowd (Nottingham)

- 1) Optimising Targeted Lung Health Checks in tackling tobacco dependency in the UK
Dr Samantha Quaife (London)
- 2) The Yorkshire Enhanced Stop Smoking Study (YESS): personalised smoking cessation interventions during lung cancer screening
Professor Rachael Murray (Nottingham)
- 3) Lung health checks: it's not just about lung cancer
Professor Matthew Callister (Leeds)

Learning objectives

- Understand how lung health checks/lung cancer screening programmes can be optimised to treat tobacco dependency.
- Recognise how a personalised approach to tobacco dependency can improve quit rates in the screening setting.
- To learn about the added value of lung cancer screening/lung health check programmes covering the potential for COPD and ILD detection.

3.15pm – 4.45pm **SYMPOSIUM
HIGHLIGHTS AND UPDATES FROM THORAX**

Chaired by: Professor Mark Griffiths (Editor-in-Chief, *Thorax*) and Dr Sheetu Singh (Jaipur)

- 1) Introduction
Dr Sheetu Singh (Jaipur)
- 2) Getting papers published
Professor Wisia Wedzicha (London)
- 3) Research integrity and ethics in publishing
Dr Helen Macdonald (UK Research Editor, BMJ)
- 4) Innovations in education in *Thorax*
Dr Christopher Turnbull (Oxford)
- 5) Opportunities for editorial apprenticeship at *Thorax*
Professor Mark Griffiths (Editor-in-Chief, *Thorax*)

3.15pm – 5.00pm **POSTER DISCUSSION: P212-P225**
"THE SHOW MUST GO ON" - WHAT MORE DO WE KNOW ABOUT COUGH?

3.30pm – 5.00pm **POSTER DISCUSSION: P226-P239**
"CALL ME MAYBE" - VIRTUAL MANAGEMENT OF RESPIRATORY DISEASE

FUTURE BTS MEETINGS

Summer Meeting 2024

20 & 21 June,
Manchester

Winter Meeting 2024

27 to 29 November,
London



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