CONGRESS WORKSHOP PROGRAMME

Thursday 12 April

08h00-16h30   **Skills Building Workshop 1 -** *limited to 50 participants*
Spirometry for all
- Chairs: Refiloe Masekela; Diane Gray; Lindsay Zurba

With NCD's becoming the predominant focus in healthcare, spirometry is essential for the diagnosis, monitoring and treatment of COPD and is useful in the diagnosis and treatment of asthma. The need to make spirometry available and proper interpretation of results in Africa is especially important as approximately 90% of deaths from COPD are among low and middle income countries. The Pan African Thoracic Society is committed to providing African health professionals with first class training and mentorship in spirometry testing. The main purpose of this workshop is to increase knowledge and confidence in performing spirometry and implementing this test in day to day practice. Mentored practical sessions will assist practicing physicians and other health care workers to perform high quality spirometry.

08h00-08h15	**Welcome and introduction / General overview of spirometry** - Refiloe Masekela (Durban, South Africa)
08h15-08h30	**Quality assurance** - Lindsay Zurba (Durban, South Africa)
08h30-09h30	**Preparing for spirometry: indications and contraindications** - Wincey Katagira (Kampala, Uganda)
09h30-10h00	**The spirometry procedure including demonstration** - Duncan Tumwa (Nairobi, Kenya)
10h00-10h30	**TEA/COFFEE**
10h30-11h00	**Spirometry reference equations: what to pick and why?** - Refiloe Masekela (Durban, South Africa)
11h30-12h00	**Loops & hoops. What does it all mean? Understanding the Spirogram** - Dawit Kedebe (Addis Ababa, Ethiopia)
12h00-12h30	**Spirometry validation - acceptability, repeatability, usability** - Uju Ozoh (Lagos, Nigeria)
12h30-13h00	**Normal vs. Abnormal Results. Interpretation and Grading** - Diane Gray (Cape Town, South Africa)
13h00-13h45	**LUNCH**
13h45-14h15	**Practical Workshop 1: Calibration demonstration & practical** - All facilitators and participants
14h15-14h45	**Practical Workshop 2: The procedure demonstration & practical** - All facilitators and participants
14h45-15h15	**Practical Workshop 3: Data validation: 10 steps to checking your spirometry** - All facilitators and participants
15h15-15h45	**Practical Workshop 4: Case studies for interpretation** - All facilitators and participants

08h00-16h30   **Skills Building Workshop 2 -** *limited to 30 participants*
How to approach respiratory disease caused by work. A workshop for clinicians
- Chairs: Ben Nemery; Rajen Naidoo

With the rapidly increasing industrialization that is taking place in Africa, more and more adults are exposed to hazardous exposures in mining, manufacturing industries, agriculture and food production, construction and services. However, although many respiratory diseases may be caused (or made worse) by exposures at work, most clinicians are unfamiliar with occupational respiratory disorders. Hence, the contribution of work to the causation of lung disease is often missed and patients may not receive the most appropriate management. The main purpose of this workshop is to provide practicing physicians (and other health workers) with basic information and skills to assess the possible contribution of occupational exposures in the occurrence of common respiratory diseases. Participants will also learn how to contribute to the prevention of occupational respiratory diseases.

08h00-08h45	**When and how should you ask your patient about work exposures?** - Ben Nemery (Leuven, Belgium)
08h45-09h30	**Asthma may also be caused by work** - Mohamad Jeebhay (Cape Town, SA)
09h30-10h15	**COPD and lung cancer, not only caused by smoking** - John Balmes (San Francisco, USA)
10h15-10h45	**TEA/COFFEE**
10h45-11h30	**Respiratory disease in workers exposed to mineral dusts or fibres in mines, quarries, and construction** - R.N. Naidoo (Durban, SA)
11h30-12h15	**How we dealt with an outbreak of occupational lung disease in denim sandblasters** - Metin Akgun (Erzurum, Turkey)
12h15-13h15	**LUNCH**

13h15-13h45	**Medical surveillance of workers exposed to respiratory hazards (spirometry)** - Lindsay Zurba (Durban, SA)
13h45-14h30	**Medical surveillance of workers exposed to respiratory hazards (radiology)** - David Rees (Johannesburg, SA)
14h30-15h15	**How to prevent work-related disease (respiratory protection, occupational standards)** - Sean Semple (Aberdeen, UK)
15h15-16h00	**Fair compensation of occupational respiratory disease** - TBC

08h00-16h30	**Skills Building Workshop 3** **Radiology: Ultrasound of the chest for the pulmonologist** - Chair: Ali Esmail

This will be a hands-on ultrasound workshop.

08h00-16h30	**Skills Building Workshop 4** **Paediatric TB workshop** - Chair: Raziya Bobat

The aim of this workshop is to provide delegates with up to date information on Tuberculosis, including diagnostics, treatment, resistant TB, TB in the new-born, and imaging.

08h00-08h15	**Welcome** - Raziya Bobat (Durban, SA)
08h15-08h50	**Principles of diagnosis of intrathoracic tuberculosis** - Steve Graham (Melbourne, Australia)
08h50-09h25	**Radiological findings of PTB/The role of advanced imaging in PTB** - TBC
09h25-10h00	**The diagnosis of complicated intrathoracic PTB** - Pierre Gousssard (Cape Town, SA)
10h00-10h30	**TEA/COFFEE**
10h30-11h05	**New diagnostics in TB** - Heather Zar (Cape Town, SA)
11h05-11h40	**TB in the newborn** - Radhika Singh (Durban, SA)
11h40-12h15	**HIV and TB** - Mo Archary (Durban, SA)
12h15-13h15	**LUNCH**
13h15-13h50	**TB and the microbiome** - Raziya Bobat (Durban, SA)
13h50-14h25	**Treatment of complicated and uncomplicated drug susceptible TB** - Prakash Jeena (Durban, SA)
14h25-15h00	**Diagnosis and treatment of MDR-TB in children** - Simon Schaaff (Cape Town, SA)
15h00-15h35	**How to prevent PTB and MDR-TB** - Anneke Hesseling (Cape Town, SA)
15h35-16h10	**Use of steroids in TB** - Ashendri Pillay (Durban, SA)

08h00-16h30	**Skills Building Workshop 5** **VATS workshop: Practical Workshop** - Chair: Alan Sihoe

Professor Alan Sihoe is a world leader in Video-Assisted Thoracoscopic Surgery. He is the Chief of Thoracic Surgery, at the University of Hong Kong, Shenzhen Hospital, Shenzhen, China which is in addition to his numerous other clinical associations. Professor Sihoe will be lecturing and demonstrating various techniques of VATS. This will include VATS equipment, incision sites, techniques of lung resection (lobectomies/segmentectomies) and trouble shooting. This will be undertaken at a practical workshop which will comprise 4 stations with a maximum of 4 surgeons per station. There will be 2 such sessions (morning and afternoon) as per the scientific programme.

08h30-16h00   **Skills Building Workshop 6 -** *limited to 20 participants*
                Household Air Pollution and Outdoor Pollution Workshop
                - Chairs: Kevin Mortimer; Sean Semple

The Union's Air Pollution and Lung Health Working Group has developed this workshop as part of an initiative to mobilize the world's clinicians into action for cleaner air. The curriculum will address competencies to equip clinicians to address air pollution as it exists in households and outdoors alike. Participants in the workshop will be better informed in protecting the lung health of individual patients and prepared to join global conversations as thought leaders and advocates for clean air.

Speakers: Tom Matte (New York, USA); Jonathan Grigg (London, UK); Hervé Lawin (Cotonou, Benin); Sean Semple (Aberdeen, UK);

            Elvis Ndikum (Yaoundé, Cameroon); Neil Schluger (New York, USA); Kevin Mortimer (Liverpool, UK);

            John Balmes (San Francisco, USA)

08h30-08h45   **Introduction: Workshop Overview**
08h45-09h35   **Major Air Pollutant and Sources**
09h35-10h25   **Air Pollution Epidemiology**

10h25-10h55   **TEA/COFFEE**

10h55-11h45   **Measuring Air Pollutants and Exposure**
11h45-12h30   **Air Quality Management**

12h30-13h00   **Congress Closing Ceremony**

13h00-13h30   **LUNCH**

13h30-14h20   **Harm Assessment and Clinical Intervention**
14h20-15h10   **Introduction to Advocacy**
15h10-16h00   **Integrating Information (Post Training)**