

## CONGRESS WORKSHOP PROGRAMME

### Thursday 12 April

08h00-16h30	<b>Skills Building Workshop 1: <i>Spirometry for all</i></b>	Venue: Meeting Room 21DEF
	Chairs: Refiloe Masekela; Diane Gray; Lindsay Zurb	<i>Limited to 50 participants</i>

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)
08h15-09h00	Quality assurance	Lindsay Zurb (Durban, South Africa)
09h00 - 09h30	Preparing for spirometry	Wincey Katagira (Kampala, Uganda)
09h30 - 10h00	The spirometry procedure	Rose Malamba (Blantyre, Malawi)
10h00 - 10h30	<b>TEA/COFFEE</b>	
10h30 - 11h00	Spirometry reference equations: what to pick and why?	Refiloe Masekela (Durban, South Africa)
11h00 - 11h30	Loops & hoops. What does it all mean? Understanding the Spirogram	Dawit Kedebe (Addis Ababa, Ethiopia)
11h30 - 12h00	Spirometry validation - acceptability, repeatability, usability	Uju Ozoh (Lagos, Nigeria)
12h00 - 12h30	Normal vs. Abnormal Results. Interpretation and Grading	Diane Gray (Cape Town, South Africa)
12h30 - 13h00	Spirometry considerations in children	Duncan Tumwa (Nairobi, Kenya)
13h00 - 13h30	<b>LUNCH</b>	
13h30 - 14h00	Practical Workshop 1: Calibration demonstration & practical	All facilitators and participants
14h00 - 14h30	Practical Workshop 2: The procedure demonstration & practical	All facilitators and participants
14h30 - 15h00	Practical Workshop 3: Data validation: 10 steps to checking your	All facilitators and participants
15h00 - 15h30	Practical Workshop 4: Case studies for interpretation	All facilitators and participants
15h30 - 16h00	Regroup, questions and close	Refiloe Masekela (Durban, South Africa)

08h00-16h30	<b>Skills Building Workshop 2: <i>How to approach respiratory disease caus</i></b>	Venue: Meeting Room 11AB
	Chairs: Ben Nemery; Rajen Naidoo	<i>Limited to 30 participants</i>

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	<b>TEA/COFFEE</b>	
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	<b>LUNCH</b>	
13h15-13h45	Medical surveillance of workers exposed to respiratory hazards (spirometry)	Lindsay Zurb (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	Saloshni Naidoo

08h00-16h30	<b>Skills Building Workshop 3: Radiology: Ultrasound of the chest for the pulmonologist</b>	
	Chair: Ali Esmail & Greg Calligar	Venue: Meeting Room 21ABC

This will be a hands-on ultrasound workshop.

08h00-16h30	<b>Skills Building Workshop 4: Paediatric TB workshop</b>	
	Chair: Raziya Bobat	Venue: Meeting Room 11CD

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 Goussard (Cape Town, SA)
10h00-10h30	<b>TEA/COFFEE</b>	
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	<b>LUNCH</b>	
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 Hesselting (Cape Town, SA)
15h35-16h10	Use of steroids in TB	Ashendri Pillay (Durban, SA)

08h00-16h30	<b>Skills Building Workshop 5 VATS workshop: Practical Workshop</b>	Off-site venue - TBC
	- 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.

## Sunday 15 April

08h30-16h00 **Skills Building Workshop 6: Air Pollution Workshop** Venue: Meeting Room 21 ABC

Chairs: Kevin Mortimer; Sean Sempl

*Limited to 50 participants*

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.

08h30-8h45	Introduction: Workshop Overview	Neil Schluger (New York, USA)
08h45-09h35	Major Air Pollutant and Sources	Jonathan Grigg (London, UK) John Balmes (San Francisco, USA)
09h35-10h25	Air Pollution Epidemiology, Health Effects & the Burden of Disease	Neil Schluger (New York, USA)
10h25-10h55	<b>TEA/COFFEE</b>	
10h55-11h45	Measuring Air Pollutants & Exposure Assessment	Sean Semple (Aberdeen, UK) Hervé Lawin (Cotonou, Benin) Gabriel Okello (Aberdeen, UK)
11h45-12h30	Harm Assessment & Clinical Intervention	Kevin Mortimer (Liverpool, UK) John Balmes (San Francisco, USA)
12h30-13h00	Congress Closing Ceremony	
13h00-13h30	<b>LUNCH</b>	
13h30-14h20	Air Quality Management & Climate Change Mitigation	Tom Matte (New York, USA)
14h20-15h10	Introduction to Advocacy & Communications	Elvis Ndikum (Yaoundé, Cameroon) Jonathan Grigg (London, UK) Nandita Murukutla (New Delhi, India)
15h10-16h00	Integrating Information	Neil Schluger (New York, USA)