

2025

FUTURE
READINESSRespiratory
Diagnostics
Summitbrought to you by
Vitalograph

AGENDA

DAY
1

Monday 10th November

Time	Topic	Speaker
08:00 – 08:30	Registration and coffee	
08:30 – 08:45	Welcome and Introductions	Claire Cherry Adrian Fineberg
08:45 – 09:30	Keynote: The Importance of Pulmonary Function Tests in the Respiratory Patient Pathway Discussion on the role of pulmonary function tests the patient pathway - particularly for asthma and COPD patients.	Dr. Rory Chan
09:30 – 10:00	Session 1: What is Normal? What is Abnormal? Understanding methods of PFT interpretation, including z-scores and reference equations	Dr. Julie Lloyd
10:00 – 10:30	Session 2: Spirometry Review of spirometry, focusing on refining technique and obtaining accurate results in accordance with the latest guidelines Practical applications of spirometry for different conditions and settings Coaching techniques for optimal patient efforts and results	Joanna Purvis
10:30 – 11:00	Workshop 1: Spirometry Participants will refine their spirometry and coaching technique through this practical session, focusing on error recognition and correcting patient technique Case discussions on identifying spirometry technique errors vs. physiological impairment in difficult cases, e.g. poor effort vs. muscle weakness, variable efforts vs. spirometry induced bronchoconstriction	<i>Vitalograph Product Specialists:</i> Lauren Ball Tasmin Johnson Adrian Fineberg
11:00 – 11:15	Break	
11:15 – 12:15	Session 3: Lung Volumes Techniques Overview of lung volumes measurements and its clinical utility. Overview of the techniques available and discussion on the pros and cons of the different techniques	Dr. Adrian Kendrick
12:15 – 13:00	Workshop 2: Lung Volumes Participants will refine their lung volumes and coaching technique through this practical session, focusing on error recognition and correcting patient technique Troubleshooting difficult cases, such as patients with poor coordination, cough, claustrophobia	<i>Vitalograph Product Specialists:</i> Lauren Ball Tasmin Johnson Adrian Fineberg
13:00 – 13:45	Lunch	

13:45 - 14:30	Panel Discussion: The Evolution of Pulmonary Function Testing in Respiratory Medicine Latest developments and controversies in respiratory diagnostics. Chaired by Claire Cherry and Adrian Fineberg	Dr. Rory Chan Joanna Purvis Dr. Julie Lloyd Dr. Adrian Kendrick
14:30 - 15:00	Session 4: Quality Control in Lung Function Testing Why quality control is important, best practices for ensuring high-quality, accurate and reliable lung function testing including calibration, biological QC and equipment maintenance	Joanna Purvis
15:00 - 15:15	Break	
15:15 - 16:00	Session 5: FeNO and Nasal NO Understanding the role of FeNO in detecting airway inflammation and its use in asthma diagnosis and management. Understanding the role of Nasal NO in PCD screening	Dr. Julie Lloyd
16:00 - 16:45	Session 6: Gas Transfer (DLCO/TLCO) Review of gas transfer testing and its importance in assessing efficiency of gas exchange in different conditions and settings	Dr. Adrian Kendrick
16:45 - 17:25	Workshop 3: Gas Transfer Participants will refine their gas transfer and coaching technique through this practical session, focusing on error recognition and correcting patient technique Troubleshooting difficult cases, such as patients with reduced lung volumes, cough, poor coordination.	<i>Vitalograph Product Specialists:</i> Lauren Ball Tasmin Johnson Adrian Fineberg
17:25 - 17:30	Close	
17:30 - 19:00	Networking and drinks reception	

DAY 2 Tuesday 11th November

Time	Topic	Speaker
08:25 - 08:30	Welcome back	
08:30 - 09:15	Pro/Con Debate: Should we follow the ATS/ERS lung function standards?	Dr. Julie Lloyd - Pro, Dr. Rory Chan - Con
09:15 - 10:00	Session 7: Oscillometry Introduction to oscillometry and its role in detecting small airway dysfunction in asthma and COPD Understanding the parameters, graphs and displaying results in a comprehensible manner	Dr. Adrian Kendrick Dr. Rory Chan
10:00 - 10:15	Workshop 4: Oscillometry Participants will practice their oscillometry and coaching technique through this practical session, focusing on error recognition and correcting patient technique	<i>Vitalograph Product Specialists:</i> Lauren Ball Tasmin Johnson
10:15 - 10:30	Break	
10:30 - 11:15	Session 8: Respiratory Muscle Function Overview of respiratory muscle strength testing (MIP, MEP, SNIP) and its role in monitoring diseases like neuromuscular disease and diaphragmatic weakness and paralysis. The use of other tests, such as spirometry, seated and supine VCs, PCF and MVV for patients with respiratory muscle weakness	Dr. Julie Lloyd
11:15 - 11:45	Workshop 5: Respiratory Muscle Function Participants will practice respiratory muscle strength tests and refine their coaching technique through this practical session, focusing on error recognition and focusing on improving patient technique and error recognition, e.g poor effort vs. respiratory muscle weakness	<i>Vitalograph Product Specialists:</i> Lauren Ball Tasmin Johnson Adrian Fineberg
11:45 - 12:45	Breakout Stream 1 Paediatric lung function testing Tasmin Johnson	Breakout Stream 2 Occupational asthma and specific inhalation challenge testing Joanna Purvis
		Breakout Stream 3 Blood gases Dr. Julie Lloyd
12:45 - 13:45	Lunch	

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13:45 - 14:15	Session 9: Lung Clearance Index Introduction to the Lung Clearance Indicator (LCI) parameter and its use for detecting small airway disease in CF and COPD. Understand the role of LCI in research and clinical practice. Learn how to engage patients and ensure consistency throughout testing	Joanna Purvis
14:15 - 15:00	Session 10: Bronchial Challenge Testing Overview of bronchial challenge tests (direct vs. indirect, methacholine, histamine, mannitol, exercise) and their role in helping to diagnose asthma. This session will also cover how to coach patients through the tests safely and effectively	Dr. Julie Lloyd
15:00 - 15:15	Break	
15:15 - 15:45	Session 11: Field Exercise Testing Introduction to field exercise tests and ambulatory oxygen assessments. Understanding the use of field exercise tests in evaluating COPD, interstitial lung disease, and pulmonary hypertension	Joanna Purvis
15:45 - 16:30	Session 12: Negotiation and Coaching Techniques for Maximising Patient Results Understanding the barriers patients may face during testing (e.g. anxiety, fatigue, comprehension) Facilitated by Tasmin Johnson and Lauren Ball Negotiation techniques to encourage patient cooperation without causing distress, including empathy, clear communication, and setting expectations. <i>Coaching strategies:</i> How to guide patients through complex and demanding tests in a comprehensible manner depending on their needs Case studies/Group discussion on overcoming difficult testing situations, sharing good practice and tips on optimising the patient experience.	Joanna Purvis Dr. Julie Lloyd
16:30 - 16:45	Closing session: Q&A and final remarks	

SPEAKERS

**Dr. Rory Chan**

Consultant Respiratory Physician and Senior Clinical Lecturer at NHS Tayside and University of Dundee.

**Joanna Purvis**

Physiological Sciences Service Manager, George Eliot Hospital NHS Trust.

**Dr. Adrian Kendrick**

Senior Lecturer, Health Science (Respiratory & Sleep) University of the West of England.

**Dr. Julie Lloyd**

Consultant Clinical Scientist, BSol ICS Physiological Science Lead.

Questions?

Contact our team by emailing education@vitalograph.com

We look forward to seeing you there!

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