

Applying Respiratory Physiology in clinical practice – What you need to know

11th June 2026, Birmingham Conference & Events Centre

Programme

08.45am – 09.00am	REGISTRATION & REFRESHMENTS
09.00am – 09.15am	Welcome & Introduction Neil Greening, Consultant Respiratory Physician, Glenfield Hospital, Leicester
09.15am – 10.00am	Spirometry Claire Francis, ARTP Spirometry Chair, Wye Valley NHS Trust
10.00am – 10.45am	Gas Transfer - I know it's important but what does it really mean? Richard Glover, Consultant Clinical Scientist, University Hospitals Birmingham
10.45am – 11.15am	Static Lung Volumes - why does it matter? Neil Greening, Consultant Respiratory Physician, Glenfield Hospital, Leicester
11.15am – 11.30am	COFFEE/TEA BREAK
11.30am – 1.00pm	ALTERNATING WORKSHOPS x 3 A. Spirometry & FENO Adam Coulson, Advanced Respiratory Physiologist, Royal Derby Hospital B. Single Breath Gas Transfer Isobel Briggs C. Whole Body Plethysmography Jess Hartley, Advanced Physiologist, Royal Victoria Infirmary Newcastle upon Tyne
1.00pm – 1.45pm	LUNCH
1.45pm – 2.15pm	Blood Gases Absari Maisha Choudhury, Clinical Scientist University Hospitals Coventry and Warwickshire NHS Trust
2.15pm – 3.00pm	Interpreting pulmonary function - Latest Guidance & Artificial Intelligence Max Thomas, Clinical Scientist, Royal Sussex County Hospital & Princess Royal Hospital Claire Francis, ARTP Spirometry Chair, Wye Valley NHS Trust
3.00pm – 3.15pm	COFFEE/TEA BREAK
3.15pm – 4.15pm	Interactive Interpretation Session All Faculty, discussion led by Neil Greening
4.15pm – 4.30pm	Feedback & CLOSE

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08.45am – 09.00am	REGISTRATION & REFRESHMENTS
09.00am – 11.15am	Cardiopulmonary Exercise Testing, to include: Live demonstration, Data presentation and analysis, normal versus abnormal, pattern recognition Karl Sylvester, Consultant Healthcare Scientist, Addenbrooke's Hospital, Cambridge Joanna Shakespeare, Consultant Clinical Scientist, Coventry & Warwickshire NHSFT
11.15am – 11.30am	COFFEE/TEA BREAK
11.30am – 1.00pm	Challenge Tests: from methacholine to workplace exposures, to include: Background theory to delivery of the test, direct versus indirect challenge tests & interpretation of the results Vicky Moore, Deputy Head of Service, Coventry & Warwickshire NHSFT Matthew Rutter, Lead Physiologist, Cambridge University Hospitals NHSFT
1.00pm – 1.45pm	LUNCH
1.45pm – 2.15pm	Hypoxic Challenge Testing Ian Cliff, Consultant Clinical Scientist, University Hospitals of North Midlands NHS Trust
2.15pm – 3.00pm	Respiratory Muscle Function Gerrard Rafferty
3.00pm – 3.15pm	COFFEE/TEA BREAK
3.15pm – 4.00pm	Oscillometry Rory Chan, Consultant Respiratory Physician, NHS Tayside/University of Dundee
4:00pm – 4:30pm	Delivering a quality assured physiology service Matthew Rutter, Lead Physiologist, Cambridge University Hospitals NHSFT
4:30pm – 4:45pm	Putting it all together – how can I use physiology to help clinical management Neil Greening, Consultant Respiratory Physician, Glenfield Hospital, Leicester Karl Sylvester, Head of Joint Respiratory Physiology, Addenbrooke's Hospital, Cambridge Joanna Shakespeare, Consultant Clinical Scientist, Coventry & Warwickshire NHSFT
4.45pm – 5.00pm	Feedback & CLOSE