

**Annual Conference**  
**31<sup>st</sup> January – 1<sup>st</sup> February 2019, Doubletree by Hilton, Glasgow**

Thursday, 31 <sup>st</sup> January 2019			
Hours			
0800	Registration opens ( <b>Foyer</b> )		
0800	Exhibition open with refreshments ( <b>Cambridge</b> )		
0830-0930	<p align="center"><b>Masterclass</b> (<b>Lord Provost Suite</b>) <b>Chair: Sara McArthur</b></p> <p align="center"><i>Inhaler designs and technique - changes that make a difference</i> <b>Jon Bell</b></p>	<p align="center"><b>Early Careers (Burns)</b> <b>Chair: Darren Ramsey</b></p> <p align="center"><i>Lung volume measurement techniques</i> <b>Andy Robson</b></p>	<p align="center"><b>Industry Workshop Sessions</b></p> <p align="center"><b>Vyaire</b> (<b>Scott - 8<sup>th</sup> floor</b>)</p> <p align="center"><i>Vyntus ONE launch</i> <i>The power of ONE – pulmonary function testing and cardiopulmonary exercise testing</i> <b>Maurice Ouwerling</b> International Marketing Director, Vyaire Medical</p>
	<p align="center">(Lord Provost Suite) <i>Welcome and introduction - Dr Karl Sylvester, ARTP Chair</i></p>		
0935-0945	<p align="center"><i>PK Morgan Memorial Lecture - Life and Times of Dr John Cotes</i> <b>David Chinn</b></p>		
0945-1030	<p align="center"><i>PK Morgan Memorial Lecture - Life and Times of Dr John Cotes</i> <b>David Chinn</b></p>		

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1030-1100	Refreshments and exhibition (Cambridge)
1100-1200	<p style="text-align: center;">(Foyer/ Lord Provost Suite) Poster discussion session Chairs: Joanna Shakespeare, Vicky Moore</p> <p style="text-align: center;"><b>1100-1130</b> Poster display of all posters (delegates view the posters in the poster hall) <b>1130-1200</b> Delegates then go to the plenary hall to be presented posters 2,9,11,13,18,19,21,24 (One powerpoint slide - two minutes plus one minute question each)</p> <p>2. <i>A comparison of three different algorithms for estimating peak oxygen uptake with that measured during CPET in a surgical population - David Clough</i></p> <p>9. <i>Temporal Trends in Cardiopulmonary Exercise Testing (CPET) Service Utilisation - Max Thomas</i></p> <p>11. <i>The effect of respiratory training using Powerbreathe on aspects of resting lung function and predicted V02 max - Raveena Chahal</i></p> <p>13. <i>A comparative assessment of the relationship between measurements made in an incremental shuttle walk test and an incremental cycle ergometry test in patients with idiopathic pulmonary fibrosis - Elizabeth Dobson</i></p> <p>18. <i>Case study: Cardiopulmonary Exercise Testing (CPET): relation to surgical pathway and patient outcomes – Rachel Heath</i></p> <p>19. <i>Curvilinearity (Curv) in healthy children and those with cystic fibrosis - Samantha Irving</i></p> <p>24. <i>Evaluation of lung function testing in children with sickle cell disease – Philip Lawrence</i></p>
1200-1230	<p style="text-align: center;">(Foyer) Thematic Poster Session Chairs: Joanna Purvis, Karl Sylvester Posters: 12,14,15,16,17,20,23,25,26,27,28</p> <p style="text-align: center;"><b>Authors to be at their posters and give two minutes presentation, one minute questions each</b></p> <p>12. <i>Comparing baseline characteristics using fixed FEV1/FVC ratio and lower limit of normal: early results from a prospective COPD case-finding study - David Culliford</i></p> <p>15. <i>Pulmonary Function and Health Status in Chronic Obstructive Pulmonary Disease - Lewis Gidden</i></p> <p>16. <i>Can Peak Circulatory Power be prognostically useful in patients undergoing abdominal aortic aneurysm repair surgery? A pilot study - Brett Gregory</i></p> <p>17. <i>Dysfunctional breathing: making a diagnosis and effective symptom management in a district general hospital - Scott Hawkes</i></p> <p>20. <i>An Evaluation of Referral Sources and Patient Outcomes Following Pharmacological Bronchial Challenge Testing in NHS Lothian - Laura Jess</i></p> <p>21. <i>Predicting HRmax in patients on B-blockers. Choosing the right equation during Cardiopulmonary Exercise Testing – Adrian Kendrick</i></p> <p>23. <i>Evaluation of hypoxic challenge testing and its uses in children and young people – Philip Lawrence</i></p> <p>25. <i>Predictors of patterns of response following specific inhalation challenge testing with low molecular weight agents - Vicky Moore</i></p>

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	<p>26. <i>Identification of significant late reactions from smaller exposures in specific inhalation challenge testing</i> - <b>Vicky Moore</b></p> <p>27. <i>Prevalence of restrictive spirometry in patients with adult congenital heart disease (ACHD)</i> - <b>Edward Parkes</b></p> <p>28. <i>Health related quality of life in patients with dysfunctional breathing referred to a cardiopulmonary exercise testing service</i> - <b>Julia Rogers</b></p>		
	<b>Industry Workshop sessions (with lunch)</b>		
1230-1330	<p><b>(Bearsden - 8<sup>th</sup> floor)</b> <b>Medevolve</b></p> <p><i>PneaVox – The Benefits and Simplicity Explained</i> <b>Romain Paumard</b> Manager Cidelec</p>	<p><b>(Scott - 8<sup>th</sup> floor)</b> <b>MedChip Solutions Ltd</b></p> <p><i>Can machine learning improve GP spirometry interpretation?</i> <b>Prof Brendan Cooper</b> LF&amp;S, QEHB, University Hospitals Birmingham</p>	<p><b>(Clyde - 8th floor)</b> <b>Fisher &amp; Paykel</b></p> <p><i>Nasal high flow therapy from hospital to home</i> <b>Charlotte Heppell,</b> Product Manager, Fisher &amp; Paykel Healthcare UK</p>
1230-1330	Lunch and exhibition ( <b>Cambridge</b> )		
1330-1500	<p><b>(Lord Provost Suite)</b> <i>Respiratory Session – Oxygen</i> <b>Chairs: Rhea Fielding, Trefor Watts</b></p>	1330-1450	<p><b>(Burns)</b> <i>Paediatric Sessions - Cutting edge treatments and new challenges</i> <b>Chairs: Emma Fettes, Paul Burns</b></p>
1330	<p><i>History of oxygen therapy</i> <b>Professor Mike Morgan</b></p>	1330	<p><i>New medicines for cystic fibrosis</i> <b>Professor Gordon Macgregor</b></p>
1400	<p><i>Standardising long-term oxygen therapy</i> <b>Dr Jay Suntharalingam</b></p>	1410	<p><i>Cutting edge treatments and new challenges in paediatric asthma</i> <b>Dr James Paton</b></p>
1430	TBC	1450	Questions
1500-1530	ARTP Annual General Meeting (AGM) ( <b>Lord Provost Suite</b> )		
1530-1600	Refreshments and exhibition ( <b>Cambridge</b> )		

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1600- 1700	<p>(Lord Provost Suite)  <b>Chair: James Hull</b>  <i>Extreme Physiology Session: The fit to fly Royal Air Force Pilot</i>  <b>Dr Gary Davies</b></p>
1700- 1800	<p>(Lord Provost Suite)  <b>Oral Poster Presentations</b>  <b>Chairs: Edward Parkes and James Stockley</b>  <b>1,22,29,41 (10 minutes each, plus 5 minutes questions)</b></p> <p>1. <i>Optimizing Respiratory Physiology services: Direct access physiologist led clinic – a service evaluation</i> - <b>Melanie Bryce</b>  22. <i>A prospective audit of exhaled nitric oxide use in paediatric asthma management</i> - <b>Philip Lawrence</b>  29. <i>CPET: When peak values can be misleading and why graphical presentation is crucial</i> - <b>Max Thomas</b>  41. <i>The variance in respiratory disturbance index in pacemaker patients</i> - <b>Alexander Thomas</b></p>
1800	Conference day 1 close

**Informal social event (Foyer)**

Commencing at 1900 hours, a Civic Reception attended by The Lord Provost.

Followed by an evening with Scottish acoustic music, street food and disco.

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Friday, 1 <sup>st</sup> February 2019			
0800	Registration opens (Foyer)		
0800	Exhibition open with refreshments (Cambridge)		
0830-0925	<p style="text-align: center;"><b>Masterclass (Burns)</b> <b>Chair: Cara Roberts</b></p> <p style="text-align: center;"><i>Respiratory Muscle Assessment</i> <b>Dr Gerrard Rafferty</b></p>	<p style="text-align: center;"><b>Early Careers (Lord Provost Suite)</b></p> <p style="text-align: center;"><b>Chair: Darren Ramsey</b> <i>Overnight Oximetry vs Limited PSG: When to use</i> <b>Professor Brendan Cooper</b></p>	<p style="text-align: center;"><b>Industry workshop sessions</b></p> <p style="text-align: center;"><b>Vitalograph</b> (Bearsden - 8th floor)</p> <p style="text-align: center;"><i>A glimpse into the future of pulmonary function testing software and equipment</i> <b>Adrian Fineberg, Vitalograph</b></p>
0930-1100	<p style="text-align: center;"><b>(Lord Provost Suite)</b> <i>Respiratory session - Rare genetic diseases that impact the respiratory system</i> <b>Chairs: Julie Lloyd, Max Thomas</b></p>	0930-1100	<p style="text-align: center;"><b>(Burns)</b> <i>Sleep Track</i> <b>Chairs: Mike Lang, Trish Matharu</b></p>
0930	<p style="text-align: center;"><i>Lysosomal disorders</i> <b>Professor Patrick Deegan</b></p>	0930	<p style="text-align: center;"><i>OSA and Endocrinology</i> <b>Dr Abd Tahrani</b></p>
1000	<p style="text-align: center;"><i>A disease of respiratory muscle</i> <b>Dr Tarekegn Hiwot</b></p>	1000	<p style="text-align: center;"><i>Rett Syndrome</i> <b>Dr Ana Abdala Sheikh</b></p>
1030-1100	<p style="text-align: center;"><i>Alpha 1 antitrypsin deficiency</i> <b>Dr Alice Turner</b></p>	1030-1100	<p style="text-align: center;"><i>sleep disordered breathing and pregnancy</i> <b>Mr Alex Perkins</b></p>
1100-1130	Refreshments and exhibition (Cambridge)		
1130-1230	<p style="text-align: center;"><b>(Foyer)</b> <b>Poster discussion session</b> <b>Chairs: Vicky Cooper, Richard Glover</b></p> <p style="text-align: center;"><b>1130-1200</b> Poster display of all posters (delegates view the posters in the poster hall) <b>1200-1230</b> Delegates then go to the plenary hall to be presented posters <b>4,30,33,35,36,38,39,40</b> (One powerpoint slide - two minutes plus one minute question each)</p> <p>4. <i>Impact of Remote Monitoring Feature for CPAP Therapy – a Service Audit</i> - <b>Ana Gaspar</b></p> <p>30. <i>The utility of NIV in MND patients with bulbar symptoms –</i> <b>Holly Van Ristell</b></p> <p>33. <i>Determining therapeutic continuous positive airway pressure using auto CPAP devices or estimates based upon severity -</i> <b>Richard Glover</b></p>		

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	<p>35. <i>Close encounter of the Morphine Kind? When telemedicine would have been really useful - a Case Report - <b>Adrian Kendrick</b></i></p> <hr/> <p>36. <i>Is 4 hours enough? Comparing recorded sleep parameters from the first 4 hours of sleep with the total sleep study - <b>Aidan Laverty</b></i></p> <p>38. <i>Are subjective outcomes influenced by the use of humidification? - <b>Sara Parsons</b></i></p> <p>40. <i>Screening and Diagnosis of Obstructive Sleep Apnoea in Pregnancy - <b>Alex Perkins</b></i></p>
<p>1230-1300</p>	<p style="text-align: center;">(Foyer) <b>Thematic poster presentations</b> <b>Chairs: Andrew Morley, David Clough</b> <b>Authors to be at their posters and give two minute presentation, one minute questions</b></p> <p>3. <i>An Evaluation of Spirometry Training – <b>Charlie Earle</b></i></p> <p>5. <i>A Comparative study of Cough Peak Expiratory Flow (CPEF) using Full Face Mask vs Mouthpiece interfaces in Healthy Subjects – <b>Aaron James</b></i></p> <p>6. <i>Hypoxaemia from using an adult oxygen face mask in a paediatric patient - <b>Kylie Russo</b></i></p> <p>7. <i>Earlier use of Fractional exhaled Nitric Oxide (FeNO) and challenge testing improves speed and accuracy of asthma diagnosis - <b>Jill Macleod</b></i></p> <p>8. <i>A Retrospective Audit Comparing Automatic and Manual Home Respiratory Sleep Polygraph Scoring: The Impact of Manually Editing Events in Moderate and Severe Sleep Apnoea – <b>Pete Moxon</b></i></p> <p>10. <i>A Service Audit on the Utilisation of Pulmonary Function Equipment within the Respiratory Physiology Laboratory – <b>Liz Walton</b></i></p> <p>31. <i>Evaluation of Physiologist Led Sleep Apnoea Clinic - <b>Sandra Davies</b></i></p> <p>32. <i>A COMPLEX SLEEP APNOEA CASE: Role of enhanced technology and remote monitoring – <b>Heather Engleman</b></i></p> <p>34. <i>Are two SOREMS diagnostic of narcolepsy? – <b>Devra Hepple</b></i></p> <p>37. <i>Comparing diagnostic accuracy of automated scoring for NOX T3 limited multichannel sleep study with physiologist hand scoring - <b>Dilpreet Mattu</b></i></p>



# ARTP

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Respiratory Technology  
& Physiology

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Industry Workshop Sessions (with lunch)			
1300-1400	<b>Philips</b> (Clyde - 8 <sup>th</sup> floor)  <i>Smartphones, Apps and CPAP Compliance</i> <b>Heather Engleman,</b> Clinical Specialist, Philips	<b>Vitalograph</b> (Bearsden - 8 <sup>th</sup> floor)  <i>What are the implications of the 2017 ERS/ATS standards for DLCO measurement and rapid gas analysers?</i> <b>Andy Roebuck,</b> Clinical Respiratory Physiologist Application Specialist, Vitalograph	
	Lunch and exhibition (Cambridge)		
1400-1445	(Lord Provost Suite)  <i>Recipient of Medics Award - Topic of their choice</i>		
1445-1530	<i>Back to the future – Pathophysiology of sleep-disordered breathing</i> <b>Dr Joerg Steier</b>		
1530-1545	Refreshments and exhibition (Cambridge)		
1545-1715	(Lord Provost Suite) <i>Respiratory session - E-Cigs: Where are we now?</i> <b>Chairs: Ian Cliff, Laura Jess</b>	1545-1715	(Burns) <i>Sleep session</i> <b>Chairs: Kylie Russo, Brendan Cooper</b>
1545	<i>E-cigarettes and their value in smoking cessation</i> <b>Professor John Britton</b>	1545	<i>Narcolepsy causes and aetiology</i> <b>Dr Tim Quinnell</b>
1615	<i>Should we be concerned about vaping?</i> <b>Dr Omar Usmani</b>	1615	<i>Narcolepsy case study – diagnostics to treatment</i> <b>Professor Geert Mayer</b>
1645-1715	Facilitated debate and discussion	1645-1715	<i>Narcolepsy patient perspective</i> <b>Matt O'Neill</b>
1715	Close of conference		

### ARTP Gala Dinner and Awards

Lord Provost Suite  
Dress code: Black tie  
1900 hours (prompt)