



ARTP

Association for
Respiratory Technology
& Physiology

Annual Conference

31st January – 1st February 2019, Doubletree by Hilton, Glasgow

Thursday, 31 st January 2019			
Hours			
0800	Registration opens (Foyer)		
0800	Exhibition open with refreshments (Cambridge)		
0830-0930	Masterclass (Lord Provost Suite) Chair: Sara McArthur <i>Inhaler designs and technique - changes that make a difference</i> Jon Bell	Early Careers (Burns) Chair: Darren Ramsay <i>Lung volume measurement techniques</i> Dr Andy Robson	Industry Workshop Sessions Vyaire (Scott - 8 th floor) <i>Vyntus ONE launch</i> <i>The power of ONE – pulmonary function testing and cardiopulmonary exercise testing</i> Maurice Ouwerling International Marketing Director, Vyaire Medical
0935-0945	(Lord Provost Suite) <i>Welcome and introduction - Dr Karl Sylvester, ARTP Chair</i>		
0945-1030	<i>PK Morgan Memorial Lecture - Life and Times of Dr John Cotes</i> Dr David Chinn		
1030-1100	Refreshments and exhibition (Cambridge)		
1100-1200	(Foyer/ Lord Provost Suite) Poster discussion session Chairs: Joanna Shakespeare, Dr Vicky Moore 1100-1130 Poster display of all posters (delegates view the posters in the poster hall) 1130-1200 Delegates then go to the plenary hall to be presented posters (One powerpoint slide - two minutes plus one minute question each)		
	9. <i>Temporal Trends in Cardiopulmonary Exercise Testing (CPET) Service Utilisation - Max Thomas</i> 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> 27. <i>Prevalence of restrictive spirometry in patients with adult congenital heart disease (ACHD)</i> Edward Parkes 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>		

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	<div>11. <i>The effect of respiratory training using Powerbreathe on aspects of resting lung function and predicted VO2 max</i> - Raveena Chahal</div> <div>18. <i>Case study: Cardiopulmonary Exercise Testing (CPET): relation to surgical pathway and patient outcomes – Rachel Heath</i></div> <div>21. <i>Predicting HRmax in patients on B-blockers. Choosing the right equation during Cardiopulmonary Exercise Testing – Dr Adrian Kendrick</i></div> <div>19. <i>Curvilinearity (Curv) in healthy children and those with cystic fibrosis</i> - Samantha Irving</div> <div>24. <i>Evaluation of lung function testing in children with sickle cell disease – Philip Lawrence</i></div>								
1200-1230	<div>(Foyer)</div> <div>Thematic Poster Session</div> <div>Chairs: Joanna Purvis, Edward Parkes</div> <div>Authors to be at their posters and give two minute presentation, one minute questions each</div> <div>15. <i>Pulmonary Function and Health Status in Chronic Obstructive Pulmonary Disease</i> - Lewis Gidden</div> <div>16. <i>Can Peak Circulatory Power be prognostically useful in patients undergoing abdominal aortic aneurysm repair surgery? A pilot study</i> - Brett Gregory</div> <div>17. <i>Dysfunctional breathing: making a diagnosis and effective symptom management in a district general hospital</i> - Scott Hawkes</div> <div>20. <i>An Evaluation of Referral Sources and Patient Outcomes Following Pharmacological Bronchial Challenge Testing in NHS Lothian</i> - Laura Jess</div> <div>23. <i>Evaluation of hypoxic challenge testing and its uses in children and young people – Philip Lawrence</i></div> <div>25. <i>Predictors of patterns of response following specific inhalation challenge testing with low molecular weight agents – Dr Vicky Moore</i></div> <div>26. <i>Identification of significant late reactions from smaller exposures in specific inhalation challenge testing</i> - Vicky Moore</div> <div>28. <i>Health related quality of life in patients with dysfunctional breathing referred to a cardiopulmonary exercise testing service</i> - Julia Rogers</div>								
1230-1330	<div>Industry Workshop sessions (with lunch)</div> <table><tr><td>(Bearsden - 8th floor) Medeolve</td><td>(Scott - 8th floor) MedChip Solutions Ltd</td><td>(Clyde - 8th floor) Fisher & Paykel</td></tr><tr><td><i>“Tracheal Sound – The benefits for your diagnostic service”</i> Romain Paumard Manager Cidelec</td><td><i>Can machine learning improve GP spirometry interpretation?</i> Professor Brendan Cooper LF&S, QEHB, University Hospitals Birmingham</td><td><i>Nasal high flow therapy from hospital to home</i> Charlotte Heppell, Product Manager, Fisher & Paykel Healthcare UK</td></tr></table>			(Bearsden - 8 th floor) Medeolve	(Scott - 8 th floor) MedChip Solutions Ltd	(Clyde - 8th floor) Fisher & Paykel	<i>“Tracheal Sound – The benefits for your diagnostic service”</i> Romain Paumard Manager Cidelec	<i>Can machine learning improve GP spirometry interpretation?</i> Professor Brendan Cooper LF&S, QEHB, University Hospitals Birmingham	<i>Nasal high flow therapy from hospital to home</i> Charlotte Heppell, Product Manager, Fisher & Paykel Healthcare UK
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1230-1330	Lunch and exhibition (Cambridge)								
1330-1500	(Lord Provost Suite) <i>Respiratory Session – Oxygen</i> Chairs: Rhea Fielding, Trefor Watts	1330-1500	(Burns) <i>Paediatric Sessions - Cutting edge treatments and new challenges</i>						

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			Chairs: Emma Fettes, Paul Burns
1330	<i>History of oxygen therapy</i> Professor Mike Morgan	1330	<i>New medicines for cystic fibrosis</i> Professor Gordon Macgregor
1400	<i>Standardising long-term oxygen therapy</i> Dr Jay Suntharalingam	1410	<i>Cutting edge treatments and new challenges in paediatric asthma</i> Dr James Paton
1430	<i>Role of the HoSaR and Regional Clinical Lead in Supporting Quality Oxygen Therapy</i> Trefor Watts	1450	Questions
1500- 1530	ARTP Annual General Meeting (AGM) (Lord Provost Suite)		
1530- 1600	Refreshments and exhibition (Cambridge)		
1600- 1700	(Lord Provost Suite) Chair: Dr James Hull <i>Extreme Physiology Session: The fit to fly Royal Air Force Pilot</i> Dr Gary Davies		
1700- 1800	(Lord Provost Suite) Oral Presentations Chairs: Edward Parkes and Dr James Stockley (10 minutes each, plus 5 minutes questions) <ol style="list-style-type: none"> 1. <i>Optimizing Respiratory Physiology services: Direct access physiologist led clinic – a service evaluation</i> - Melanie Bryce 22. <i>A prospective audit of exhaled nitric oxide use in paediatric asthma management</i> - Philip Lawrence 29. <i>CPET: When peak values can be misleading and why graphical presentation is crucial</i> - Max Thomas 41. <i>The variance in respiratory disturbance index in pacemaker patients</i> - Alexander Thomas 		
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 st February 2019				
0800	Registration opens (Foyer)			
0800	Exhibition open with refreshments (Cambridge)			
0830-0925	Masterclass (Burns) Chair: Cara Roberts <i>Respiratory Muscle Assessment</i> Dr Gerrard Rafferty	Early Careers (Lord Provost Suite) Chair: Darren Ramsay <i>Overnight Oximetry vs Limited PSG: When to use</i> Professor Brendan Cooper	Industry workshop sessions	
			Medevolve (Scott - 8 th floor) <i>PneaVox - Advanced use of tracheal sound in your daily routine</i> Romain Paumard Manager Cidelec	Vitalograph (Bearsden - 8 th floor) <i>A glimpse into the future of pulmonary function testing software and equipment</i> Adrian Fineberg, <i>Vitalograph</i>
0930-1100	(Lord Provost Suite) <i>Respiratory session - Rare genetic diseases that impact the respiratory system</i> Chairs: Julie Lloyd, Max Thomas	0930-1100	(Burns) <i>Sleep Track</i> Chairs: Mike Lang, Trish Matharu	
0930	<i>Lysosomal disorders</i> Professor Patrick Deegan	0930	<i>OSA and Endocrinology</i> Dr Abd Tahrani	
1000	<i>A disease of respiratory muscle</i> Dr Tarekegn Hiwot	1000	<i>Rett Syndrome</i> Dr Ana Abdala Sheikh	
1030	<i>Alpha 1 antitrypsin deficiency</i> Dr Alice Turner	1030	<i>Sleep disordered breathing and pregnancy</i> Alex Perkins	
1100-1130	Refreshments and exhibition (Cambridge)			

1130-1230	(Foyer) Poster discussion session Chairs: Dr Vicky Cooper, Richard Glover
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	<p>1130-1200 Poster display of all posters (delegates view the posters in the poster hall) 1200-1230 Delegates then go to the plenary hall to be presented (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> - Ana Gaspar</p> <p>35. <i>Close encounter of the Morphine Kind? When telemedicine would have been really useful - a Case Report – Dr Adrian Kendrick</i></p> <p>33. <i>Determining therapeutic continuous positive airway pressure using auto CPAP devices or estimates based upon severity - Richard Glover</i></p> <p>36. <i>Is 4 hours enough? Comparing recorded sleep parameters from the first 4 hours of sleep with the total sleep study - Aidan Laverty</i></p> <p>30. <i>The utility of NIV in MND patients with bulbar symptoms – Holly Van Ristell</i></p> <p>38. <i>Are subjective outcomes influenced by the use of humidification? – Dr Sara Parsons</i></p> <p>40. <i>Screening and Diagnosis of Obstructive Sleep Apnoea in Pregnancy</i> - James Pearson</p>
1230-1300	<p style="text-align: center;">(Foyer) Thematic poster presentations Chairs: Andrew Morley, David Clough Authors to be at their posters and give two minute presentation, one minute questions</p> <p>3. <i>An Evaluation of Spirometry Training – Charlie Earle</i></p> <p>5. <i>A Comparative study of Cough Peak Expiratory Flow (CPEF) using Full Face Mask vs Mouthpiece interfaces in Healthy Subjects – Aaron James</i></p> <p>6. <i>Hypoxaemia from using an adult oxygen face mask in a paediatric patient</i> - Kylie Russo</p> <p>7. <i>Earlier use of Fractional exhaled Nitric Oxide (FeNO) and challenge testing improves speed and accuracy of asthma diagnosis - Jill Macleod</i></p> <p>10. <i>A Service Audit on the Utilisation of Pulmonary Function Equipment within the Respiratory Physiology Laboratory – Liz Walton</i></p> <p>31. <i>Evaluation of Physiologist Led Sleep Apnoea Clinic - Sandra Davies</i></p> <p>32. <i>A COMPLEX SLEEP APNOEA CASE: Role of enhanced technology and remote monitoring – Heather Engleman</i></p> <p>37. <i>Comparing diagnostic accuracy of automated scoring for NOX T3 limited multichannel sleep study with physiologist hand scoring - Dilpreet Mattu</i></p>

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

ARTP Gala Dinner and Awards

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