

ARTP 2017 Conference

Europa Hotel, Belfast
19-20th January



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Gill Taberner
Principal Cardiac Physiologist
Salford Royal NHS Foundation Trust

Welcome from ARTP Chair

It is my absolute pleasure to welcome you to Belfast and the 2017 ARTP annual conference. The ARTP represents all UK respiratory and sleep physiologists and scientists and as such, a visit to Northern Ireland has been long overdue.

Belfast is a beautiful city populated by some of the friendliest and welcoming people on the planet. Although we have a full on programme I hope you get an opportunity to get out and savour what this wonderful city has to offer.

Belfast is steeped in history and I am delighted that we have an opportunity to immerse ourselves in that history with a visit to the Titanic Museum. It promises to be an amazing evening with wonderful food and drink and an opportunity to catch up with old friends and network with new ones. This follows on from a wonderful evening in the company of top dignitaries at Belfast City Hall, which I hope those of you that made it all enjoyed.

As well as the historic environs, having our conference at The Europa Hotel means we are smack bang in the middle of history. The hotel almost seems to pride itself on having the reputation as the most bombed hotel in Europe during its time. Thankfully for us those days are over and a fully refurbished, beautiful hotel is what we now find ourselves lavishing in.

Hopefully you will agree that we have some amazing speakers again this year to present at our annual conference. Professor Sandy Andersen will be presenting on developing the Mannitol Challenge test and we are so grateful to her for making the long trip from Australia to present our PK Morgan Lecture. There should be something for everyone at this conference, with Masterclasses and our Young Career sessions for those up and coming physiologists/scientists to cutting edge research from those who submitted their abstracts. Please do take the time to

visit the posters and ask questions. Then enjoy the best of the best with our 4 highest ranked abstract submissions presenting in our oral presentation session. Research is the means by which we can continually improve our approach to the work we undertake everyday for the benefit of our patients. Attend the sessions, discuss ideas and hopefully if you have not submitted this year you will go away with the research ideas to ensure you do next time.

As always our manufacturer colleagues offer their wonderful support to our annual conference and I urge you to visit the exhibition. All refreshments will be held in the exhibition, so grab your tea or coffee, your snack or your lunch and go say hello. All the manufacturers go to great effort to display what they have to offer. They are there to offer their advice and support so please do make the most of their generous time. Also wish them luck for the annual manufacturer awards, which this year have been organised slightly differently to previous years, so it will be interesting to see the results at this years gala dinner.

We finish the conference with our gala dinner and our awards ceremony. This is a wonderful time to recognise those who have passed their exams and those who have contributed so much to our profession and the wider respiratory and sleep healthcare community.

Please do enjoy your time at the conference, in The Europa Hotel and Belfast. The time always seems to fly so make the most of it!

Karl Sylvester
Honorary Chair, ARTP

Conference Info

Social timetable

Registration Desk Opening Times

Wednesday 18th January	17:00 – 18:30
Thursday 19th January	08:15 – 17:30
Friday 20th January	08:15 – 17:30

The registration desk is located immediately outside the exhibition area and is the first point of call for all conference enquiries.

Exhibition Opening Times

Thursday 19th January	08:30 – 17:30
Friday 20th January	08:30 – 14:30

Lunch

Lunch will be served as 'bowl food' which will be brought around the exhibition on trays. There are a couple of stations within the exhibition where you can collect food if you wish where there will also be a full menu of what is available each day.

Those attending the lunchtime workshops will have lunch served in the workshop rooms.

ARTP Meet and Greet

The ARTP Meet and Greet stand will be situated in the exhibition area and will be manned during refreshment and lunch breaks by members of the ARTP Council, Board and sub-committees such as education and workforce. You will be able to find out more about upcoming courses and events, membership benefits and everything ARTP. Please do come along and feedback to the team your views on any aspect of ARTP or areas that you believe ARTP could be working better for you. This is a good opportunity to shape the future of your ARTP so please come along and get involved.

Directed Poster Viewings

There are 23 posters on display next to the exhibition area and directed poster viewing will take place during the lunchtime breaks. If you would like to participate, please go to the Grand Ballroom (plenary room) during these times.

Thursday 19th January – 13:00-14:00 (Posters 1-12)

Friday 20th January – 13:45-14:30 (Poster 13-23)

Authors should make sure that they attend their posters during these viewing times.

Wednesday 18th January - 19:00-20:30

Civic Reception

Belfast City Council have invited all attendees of the ARTP Conference to Belfast City Hall for a Civic Reception with the Lord Mayor of Belfast. Drinks will be provided along with traditional Irish piper music. City Hall is just a short walk from the Europa Hotel.

Thursday 19th January -19:00-22:00

Informal Social at Titanic Museum

Visit the place where the Titanic was built and dine in the replica of the most famous Titanic dining room. Transport will be provided to and from the venue and the evening of entertainment will continue with a disco back at the Europa Hotel. The free coaches will leave from the front of the Europa Hotel at 18:45 prompt. You will need your delegate badge in order to board the coach

Friday 20th January - 19:30-02:00

Gala Dinner

Black Tie Conference Dinner with 1920s Gatsby theme taking place in the ballroom at the Europa Hotel. The evening will include the education, industry and ARTP special awards ceremony accompanied by entertainment because "a little party never killed nobody, so we gon' dance until we drop" The evening will continue until 02:00am with a pop-up nightclub in the exhibition room. If there is a group of you who wish to sit together during the gala dinner, it is possible to pre-book a table at the registration desk up until 2:00pm on Friday 20th January.

Exhibition Teaser Quiz

We have three prizes for this year's Teaser Quiz: £250, £150, £75 in Amazon vouchers. To enter simply visit the participating exhibition stands and get a sticker on your entry form then drop it the box on the registration desk before 4:30pm on Friday 20th January. The winners will be announced during the Gala Dinner.

Conference App

For the ARTP 2017 conference, we have, for the first time, developed a conference app which gives you information and networking abilities right in the palm of your hand. To download, please search and download the 'Guidebook' app (available in Play or App store) then search for 'ARTP' in 'Find a Guide'. This will then load it onto your device. Downloads are limited to 200 devices. If you need any help, please visit the Registration Desk.

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Sue Hazard (1962-2001)

"Sue Hazard was a Senior Clinical Physiologist (Band 6) who successfully trained on the West Midlands MPPM Training Scheme and became deputy head of service at Nottingham City Hospital (1990-2001). Apart from being an excellent all round physiologist, she specialised in all advanced services such as CPET, sleep apnoea and non-invasive ventilation. At the age of 38 over a matter of months she developed Motor Neurone Disease and sadly even trialled NIV herself. Staff in lung function at Nottingham City Hospital started an appeal in 2000 to raise funds, which was then generously helped along by the ARTP Conference in 2001, for her family (her two young boys Ben and Daniel were both under age seven) to have a special "last holiday" at Disneyland Paris. This was the last holiday she shared with her family before her untimely death in May 2001. Sue was a wonderful, caring, kind and hard working physiologist who contributed greatly to our profession in the short time she was alive. These events captured the spirit of ARTP membership, their generosity, caring and solidarity in the face of adversity. It exemplifies why we are more than just a professional body. The award recognises the skills, hard work and endurance that our best physiologists achieve in their practical exams."

John Cotes Award (1924-)

"Dr John Cotes is very much the "father/grand-father" of lung function measurement in the UK and across the world. He graduated in medicine from Oxford and became a respiratory research fellow for the MRC Pneumoconiosis unit in Cardiff and later continued this respiratory occupational medicine work in Newcastle upon Tyne. He pioneered the development of the single breath transfer tests into a standard piece of equipment together with PK Morgan the founder of the Morgan dynasty. He advised and worked on the altitude physiology for the first ever successful Everest Expedition in 1953 and developed the early lung function reference values used by ARTP staff in the UK. John Cotes published the first edition of "Lung Function" in 1965 (known affectionately as "Cotes") and this book became the "bible" for nearly all lung function laboratories in the UK prior to the foundation of ARTP, and continues to be used. Indeed it's 7th Edition is currently in preparation. John has always insisted on the best scientific evidence and highly detailed research to standardise the quality of lung function measurement. In 2002 he won an ARTP Special Achievement Award to recognise the enormous contribution he has made to respiratory physiology by his pioneering work."

Dr Lyn Davies (1951-2013)

Lyn Davies, founder of Stowood Scientific Instruments was the drive, science and physics behind SSI VisiLab, Oximetry Download software, Greyflash, SteerClear, and many more systems involved with sleep apnoea. He had a close friendship and working relationship with Professor John Stradling at Oxford, with whom he worked brilliantly together on many of the SSI projects. He was probably most famous to ARTP for his fabulous Welsh singing voice which took the ARTP Conference by storm a few years ago when he performed "Delilah" to a standing ovation on a fun karaoke night. He was in fact a very accomplished male voice chorister and was part of a singing group that has entertained many people in the Oxford area over the years. His support of ARTP over the years has been fantastic and he made a huge impact on the diagnosis of sleep disorders and education to (sometimes clueless) clinical staff on how to offer a good sleep apnoea service! We always enjoyed his smartness, his sense of humour, and the little wink when he was winding someone up! After a short illness, he died at home but was able to confirm that he would be proud that there was a to be a Lyn Davies Award for the best Sleep Poster at ARTP/BSS conferences.

Suzanne Davis (1944-2002)

A unique role model at the Leeds General Infirmary, Suzanne made her mark within her field by being a methodical precise worker. Her preparation of patients and the diligence she showed when testing left nothing to chance. This attention to detail was a hallmark throughout her career. Suzanne was the backbone of the Respiratory Function Unit. From early in the morning to last thing at night she could be found beaver away. Always busy, always lots to do, but never too busy for a kind word of encouragement for a colleague. Her working life began in the late sixties at the LGI, a place she stayed throughout her long career. In the early days she trained in cardiology working under Graham Tate, establishing life long friends along the way. She then moved on to Respiratory Physiology, an irony due to her being a life long asthmatic. This enabled her to genuinely empathise with the suffering of her patients but this debilitating illness eventually led to her untimely death.

Suzanne dedicated her life to Respiratory Physiology and to the LGI, a place she continued to love despite the many changes she saw during her long association with the hospital. She was well known throughout our profession, never afraid of voicing her opinion, questioning a point in her clear precise manner even though she insisted she was shy.

ARTP Special Awards for Services to Respiratory Medicine

2016	Dr Ian Smith and Dr Cath Billings
2015	Professor Anita Simmonds and Mr Nigel Clayton
2014	Dr Rob Primhak, Professor Mary Morrell, Dr Adrian Kendrick
2013	Dr Philip Qunjer, Prof Denis O'Donnell, Dr Sue Revill, Tina Perkins
2012	Dr Mark Levy, Prof Kim Prisk, Keith Butterfield
2011	Dr Martin Miller, Dr Martyn Allen & Jane Caldwell
2010	Professor John Stradling and Andy Robson
2009	Professor John Moxham and Trefor Watts
2008	Prof Mike Morgan and Janet Stocks
2007	Prof Peter Calverley and Dr Roger Carter & Dr Maureen Swanney
2006	Mr Derek Cramer and Dr Paul Enright
2005	Mrs Angela Evans & Professor Mike Hughes
2004	Joseph Milic-Emili MD, Professor John Gibson & Dr Neil Pride
2003	Dr Sue Hill & Professor Peter Macklem
2002	Dr John Cotes & Mr Kevin Hogben
2001	Dr Josef Roca & Dr Gabriel Laszlo
2000	Mrs Sue Bradbury & Dr Duncan Hutchinson

Sue Hazard Award

2016	Harry Griffin (Practitioner) Rhea Fielding (STP)
2015	Stephanie Gunn (Pt2) Amy Hall (Practitioner)
2014	Harriet Hearn (Pt 2)
2013	Stephanie Gunn (Pt 1) Claire Stacey (Pt 2)
2012	Melanie Mackenzie (Pt 1) Joseph Perks (Pt 2)
2011	Louise Harlow
2010	Rachel Benham (Pt 1) Catherine Dixon (Pt 2)
2009	Sara Neale
2008	Geljit Johal
2007	James Oliver

John Cotes Award

2015	Natalie Dean
2014	James Dean
2013	Lucy Clarke
2012	Karen Allport
2011	Eleanor Herring
2010	Samantha Briscoe
2009	Rheannan Shelley
2008	Tracey Cross
2007	Simon Clough

Suzanne Davis Award

2016	Keeley Wilkinson
2015	Emma Harrison
2013	Natalie Dean
2012	Richard Glover
2011	Charlotte Hurst
2010	Kerryanne Dennis
2009	Louise Harlow
2008	Samantha Briscoe
2007	Steven Corkhill

CSO Award for Innovation

2011	Yasmin Khan
2010	Samantha Briscoe
2009	Alison Proctor
2008	Emma Scrase
2007	Vicky Lote

Lyn Davies Award

2015	James Stockley
2014	Professor John Stradling

Speaker Biographies



Professor Sandra Anderson

Sandra received a BSc (Sydney) in Physiology and Microbiology in 1962. Inspired by some work with polio patients in 1962-3 she spent 1964-1965 at the Cardiovascular Research Institute, (Chief Dr Julius Comroe) University of California, in San Francisco training to be a respiratory physiologist. From 1966-1968 she set up a Respiratory Laboratory at Royal Prince Alfred Hospital (RPAH) in Sydney. After travelling through India and overland to London in 1969 she worked at the Royal Brompton Hospital with Dr Simon Godfrey 1970-1972. She received her PhD (Lond) for studies in exercise-induced bronchoconstriction (EIB). She returned to Sydney and RPAH in 1973. In 1979 she reported that severe EIB could be prevented by inhaling warm humid air, a finding consistent with the stimulus to EIB being at the airway surface. In 1982 she proposed that it was an increase in osmolarity of the airway surface liquid, arising from evaporative water loss, that was the primary stimulus for EIB. She developed the hypertonic saline wet aerosol challenge and compared the responses to exercise. In 1990 she was awarded a DSc (Lond) for her publications. From 1994 she developed, for inhalation, a dry powder of mannitol for identifying bronchial hyperresponsiveness consistent with airway inflammation, asthma and EIB. She demonstrated that mannitol causes release of mast cell mediators and the release is inhibited by premedication with sodium cromoglycate (Intal) or a beta2 agonist, drugs given prophylactically to prevent EIB. She demonstrated that mannitol could be used clinically to monitor both the resolution of bronchial hyperresponsiveness with inhaled corticosteroids and its return following withdrawal of treatment. The mannitol test was commercialised by Pharmaxis Ltd in 2006. Her research was funded by NHMRC for >20 years. In 2012 she was awarded an honorary MD from the University of Uppsala, Sweden for her work in EIB.



Mark Elliott

Mark Elliott is a Consultant Physician at St James's University Hospital, Leeds. He has been responsible for developing the home sleep and assisted ventilation service, for acute in hospital NIV and weaning of patients with prolonged ventilator dependence. Research interests are in acute and chronic non invasive ventilation and sleep related abnormalities of breathing. He was the Treasurer of the European Respiratory Society, 2013 to 2016.



Professor David Fishwick

David is a Consultant Respiratory Physician in Sheffield, with a major clinical and research interest in workplace health and particularly in respiratory health. He also works as the Chief Medical Adviser for HSE, and for HSE Northern Ireland, and is an Honorary Professor of Occupational and Environmental Respiratory Medicine at the University of Sheffield. He also works within the new Science Division of HSE. He is also a qualified diving physician level 2d.

His research interests are focussed around the broad interface between the work environment and respiratory health. This work has led previously to the development of professional standards in this area, including standards of care for asthma and COPD at work. He also retains strong links with his research collaborators in New Zealand, as he lived and worked in Wellington for 2 years. One of his current main clinical and research interests is exposure to respirable crystalline silica.

He currently chairs the British Lung Foundation Northern regional group, chairs the British Thoracic Society Occupational Lung Disease Specialist Advisory Group and sat on the ERS taskforce for occupational specific challenge testing, in addition to being a member of the GORDS group. He is currently part of the new ATS/ERS COPD burden of occupational disease taskforce and he also chairs the BTS SIGN ERG for occupational asthma.



Dr Harry Griffin

Harry Griffin is a Clinical Scientist in Respiratory and Sleep Physiology working at Hampshire Hospitals NHS Foundation Trust.

He completed a PhD at the University of Birmingham investigating the cardiovascular and respiratory effects of sleep apnoea-related intermittent hypoxia. Having developed an interest in sleep apnoea and other respiratory diseases during his doctorate he chose to train at the Queen Elizabeth Hospital Birmingham as a clinical scientist through the scientific training programme (STP). He has also completed his ARTP practitioner qualification.

His current research focuses on the negative pressure reflex of the upper airway, how it may affect respiratory drive and how enhancing it may help maintain airway patency in patients with OSA.



Professor Gringras

Professor Gringras is director of one of the few UK paediatric specialist sleep clinics with a holistic approach that addresses behavioural, genetic and neurological causes of sleep disorder, in addition to commoner sleep related breathing problems. The Children's Sleep Medicine Department integrates fully with the adult sleep service already established at St Thomas' hospital, as part of the 'lifespan sleep disorders' group. Over three thousand children pass through the department each year.

He has published widely in peer reviewed journals, and books. He lectures internationally and has served on the British Sleep Society executive committee and cochaired the International Paediatric Sleep Association conference in the UK. His research is clinically orientated and focuses on the causes and treatment of sleep disorders in children with autism, ADHD, cerebral palsy, epilepsy, Downs syndrome and other neurodevelopmental problems.

He has codeveloped novel tools to assess sleep-related learning in children (Sleepsuite), is one of the founders of HealthTracker – an online child health monitoring system, wrote KidsleepDr a free iOS app to help parents whose children have sleep problems, and authored the MindEd tutorial on sleep difficulties.

Evelina London Children's Sleep Medicine Department www.evelinalondon.nhs.uk/sleep

KidsleepDr (www.kidssleepdr.com)

Speaker Biographies



Professor John Holloway

Professor John Holloway is Professor of Allergy and Respiratory Genetics within Medicine at the University of Southampton.

John Holloway graduated with a B.Sc. in Biochemistry from Otago University, New Zealand in 1992. He undertook research based at both the University of Southampton and the Malaghan Institute (Wellington, New Zealand) into the genetic basis of asthma graduating with a Ph.D. from Otago University in 1997. In 1997 Professor Holloway returned to Southampton and together with Professor Stephen Holgate continued his research into the genetic basis of allergies and asthma. He now heads the Respiratory Genetics Group, based in the Human Development and Health and Clinical and Experimental Sciences Academic Units. The Respiratory Genetics Group undertakes a number of research projects into the genetic basis of allergy, asthma and other respiratory diseases. Research highlights include the identification of the gene ADAM33 as an asthma susceptibility gene (Nature 2002; 418:426) as a result of a collaborative project with Genome Therapeutics Corporation (Waltham, MA, USA) and Schering-Plough. More recently his work has focused on the genetic and epigenetic basis for the role of early life in determining susceptibility to these conditions.



Dr Martin Johnson

Dr Johnson graduated in Natural Sciences (Physics) from Cambridge University in 1985 and worked at the Philips Research Laboratories from 1985 to 1988 on the mathematical modelling of semiconductor devices. After studying medicine at Leeds University between 1988 and 1993, he now works at the Scottish Pulmonary Vascular Unit. His interests include pulmonary hypertension, pulmonary physiology especially cardiopulmonary exercise testing and thoracic ultrasound.

He is clinical lead for the pulmonary function laboratories in North West Glasgow including the West of Scotland Heart and Lung Centre. In addition to diagnostic exercise tests in respiratory patients, he has wide experience of testing patients with asthma, COPD, pulmonary fibrosis, advanced heart failure, pulmonary hypertension, adult congenital heart disease and cystic fibrosis.



Dr Adrian H Kendrick

Dr Adrian H Kendrick is Consultant Clinical Scientist at University Hospitals, and Senior Lecturer at the University of West of England in Physiological Sciences, Bristol. He is involved in the diagnosis and management of patients with suspected sleep disorders and has extensive experience in sleep assessments from 1988 onwards. He has presented at many meetings on aspects of sleep disordered breathing and its management, and is currently involved with the Association for Respiratory Technology and Physiology courses in Sleep and in NIV. He currently has an interest in sleep and breathing problems in Retts Syndrome patients.



Dr Jane Kirkby

Jane Kirkby is a Highly Specialist Clinical (Respiratory) Physiologist who began her training at Kings College Hospital NHS Trust, where she was responsible for performing a wide range of lung function tests on both adult and paediatric patients. In 2005 she commenced work at the UCL Institute of Child Health, to focus her interest in paediatric respiratory research. Alongside her clinical work performing lung function tests in infants and children, she was involved in a number of international research studies, collaborative initiatives including the Global Lung Function Initiative (GLI) and the specific airways resistance task force. She completed her PhD thesis entitled "Application and Interpretation of Paediatric Lung Function Tests in Health and Disease" in 2012. Much of her research has involved investigating standardisation of lung function assessments, the long term impact of lung disease in childhood and the early origins of adult lung disease.

Recently she moved to Sheffield Childrens Hospital where she manages the Action Laboratory and

establishing new research links. She regularly lectures on lung function and interpretation courses, and runs several teaching sessions within her Trust.



Dr Matthew Maddocks

Matthew is a specialist physiotherapist committed to developing rehabilitation strategies for people with advanced disease. He is a Lecturer in Health Services Research at the Cicely Saunders Institute, King's College London, and a National Institute of Health Research Clinical Trials Fellow. His interests span frailty, sarcopenia, cachexia, and the clinical management of skeletal muscle dysfunction. He has lead studies across thoracic cancer, respiratory disease and in the hospice outpatient setting, and chairs the Rehabilitation Subgroup of the Supportive and Palliative Care National Clinical Studies Group.



Professor Alyn Morice

Professor Morice attended Cambridge University and St George's Medical School before House jobs and SHO training in London. He then undertook research into asthma therapy at St Mary's Hospital followed by Lectureship at Cambridge. He then moved to Yorkshire, firstly in Sheffield and now is Professor of Respiratory Medicine and Head of the Centre for Cardiovascular and Metabolic Research, at the Hull York Medical School, University of Hull.

He specialises in the diagnosis and treatment of cough and runs the Hull Cough Clinic. He also runs the Hull Respiratory Clinical Trials Unit specialising in the treatment of asthma and COPD.



Andrew Morley

Andrew Morley is the lead Sleep Physiologist at the Royal Hospital for Children (Glasgow). Having worked in the field of sleep medicine for the past 18 years he has experience in both Clinical & Research settings, including a spell in Starship Children's Hospital (Auckland). He became a Registered Polysomnographic Technologist (RPSGT) in 2005 after taking the first UK sitting of Board of Registered Polysomnographic Technologists (BRPT) exam. He is currently the Paediatric REP to the British Sleep Society Executive Committee.



Professor Thomas Netzel

Professor Thomas Netzel studied Airspace-Aircraft Engineering at the University of the German Armed Forces in Munich between 1993 and 1997.

After finishing his PhD-thesis he worked from 2003 to 2010 in several line management positions within Airbus Germany. Aside this he developed and realized the Active Lung and Obstruction Simulator ALOSI that makes it possible to physically simulate the time varying obstruction of the upper airways during a free defined human respiration within physiological ranges.

Since 2010 he is Professor for Control Engineering at the University of Applied Sciences Hamburg.

He has research activities in the fields of medical engineering and aircraft construction. In the area of respiration techniques he improved the Lung Simulator, did a wide range of investigations in the quality of positive airway pressure devices, developed new test methods for the certification of those devices, gives advice for the development of new devices and develops technologies for application in respirators.



Dr John O'Reilly

John O'Reilly is a Consultant in Sleep and Respiratory Medicine at the Liverpool Sleep and Ventilation Centre, University Hospital Aintree, Liverpool, UK. He is certified as an Expert Somnologist by the European Sleep Research Society.

He has promoted education and training in Sleep and Respiratory Medicine as a member of the executive committee of the British Sleep Society. He has been co-organiser of the International Sleep Medicine Course and a member of the British Lung Foundation OSA working group

Speaker Biographies

on OSA health economics and commissioning. He has acted as a medico-legal expert witness in sleep disorders including Parasomnias (Sleep-walking, Sleep Behavioural Disorders, Sexsomnia, Sleep Automatism), Narcolepsy and Sleep Breathing Disorders.



Dr Wyn Parry

Dr Parry is Senior Medical Advisor (SMA) to the Driver and Vehicle Licensing Agency (DVLA). Prior to joining DVLA, Dr Parry worked in the NHS for thirty years with half of that as a Consultant Surgeon.

As SMA, Dr Parry is involved in the development and implementation of the medical standards for driving within the UK. This involves liaison with the Department for Transport's Honorary Advisory Medical Panels as well as linking with representatives from the EU and more widely. Although much of the SMA's work revolves around this Dr Parry's other DVLA roles involve overseeing the 22 medical advisors at DVLA, working in developing policy around driving regulations, interpreting and implementing relevant legislation, working with external stakeholders including the BMA and GMC and currently initiating a large project on connecting with doctors and nurses to widen their essential involvement in driving and medicine.

Outside of this-and time permitting-Dr Parry is a keen musician and Norwich City football fan.



Dr Rob Primhak

Dr Robert Primhak MD, FRCPCH, MRCP, MB BS was a Consultant Paediatric Respiratory Physician at Sheffield Children's Hospital and a Senior Lecturer in Sheffield University for over 20 years. He trained in paediatrics in Auckland (New Zealand), Newcastle (UK), Toronto (Canada) and Sheffield (UK), and worked for two years as a specialist paediatrician in Papua New Guinea. He was also a Consultant Neonatologist in Sheffield for eight years. He established the regional paediatric respiratory and sleep services at Sheffield Children's Hospital but also had short spells working as Medical Director of Indira Gandhi Memorial Hospital (Maldives) in 2011, and as a General Paediatrician in New Plymouth, New Zealand in 2012. Dr Primhak retired from clinical practice in 2013, but continues as a facilitator and Vice Chair of the MRCPCH exam boards and as Chair of the paediatric HERMES examination for the European Respiratory Society. His main clinical interests have been in the fields of asthma, chronic lung disease of prematurity, congenital lung problems, and sleep disordered breathing. He has received Lifetime Achievement Award from the British Paediatric Society and the Association of Respiratory Technology and Physiology.



Dr Susan Revill

Sue has worked in respiratory science within the NHS for over 40 years. Sue's long career has spanned both diagnostic and therapeutic tracks giving a broad insight into the patient pathway and management of chronic lung disease. Early career - senior MTO and then head of respiratory physiology at the City Hospital Nottingham. Moved to the Glenfield Hospital in Leicester to undertake research and completed a PhD in 1997 (Loughborough University, Dept of Sports Science). Developed the Endurance Shuttle Walk Test (ESWT) - a functional field test to assess endurance walking capacity in chronic lung disease. The test was found to have good repeatability and is sensitive to pulmonary rehabilitation (PR) and

other interventions. It is used widely in the assessment for PR. In 2000 won a Winston Churchill Travel Fellowship that enabled her to work with Professor Denis O'Donnell in Kingston, Ontario. Whilst in Canada she undertook detailed physiological studies of the exercise response in COPD and introduced the ESWT into the PR assessment at Kingston General Hospital.

In 2001 Sue moved to North Nottinghamshire PCT and the Kings Mill Hospitals Trust to develop and manage the community based pulmonary rehabilitation and domiciliary oxygen assessment services. She has collaborated with Professor Sally Singh on the development of professional training courses for PR practitioners. Areas of publication: pulmonary rehabilitation and tests of functional capacity, CPET protocols and QC, domiciliary oxygen assessment.



Dr Marshall Riley

Marshall Riley is consultant Respiratory Physician at Belfast City Hospital, and Honorary Senior Lecturer, Queen's University of Belfast, Belfast, N. Ireland.

Twenty years experience in cardiopulmonary exercise testing, including two years spent at Harbor-UCLA with Dr K. Wasserman.



Joanna Shakespeare

Joanna is a Clinical Scientist and the Service Manager for the Respiratory Physiology and Sleep Department at University Hospitals Coventry and Warwickshire. She is currently the Chair of ARTP Education and has been a member of the Education Committee for many years. Joanna represents ARTP on the National School of Healthcare Science themed board and is responsible for coordinating the STP OSFA examinations for Respiratory. Clinically her interests are in Cardiopulmonary Exercise Testing and Non-Invasive ventilation however her true passion is education and training.



Professor Mick Steiner

Michael Steiner is a consultant respiratory physician at Glenfield Hospital, Leicester and Honorary Professor at Loughborough and Leicester Universities. His sub-speciality clinical interests include management of advanced COPD, lung volume reduction therapies and home non-invasive ventilation. His research interests focus on chronic disease management in COPD with particular expertise in exercise performance, physical training, pulmonary rehabilitation, nutrition and skeletal muscle dysfunction. He is the clinical lead for the Pulmonary Rehabilitation component of the National COPD audit Programme.



Dr James Stockley

James began his career as a trainee physiologist at the Queen Elizabeth Hospital Birmingham in 2000. At the end of his training, he achieved a first class honours degree in Clinical Science and the Sue Hazard award for the most outstanding candidate in the ARTP Part 1 assessment. After deciding to pursue a career in respiratory research, he began a part time PhD at the University of Birmingham entitled "Neutrophil Migration and Inflammation in COPD", which was awarded in July 2015. Following completion of his PhD, he was appointed as the first Respiratory Research Physiologist at the Queen Elizabeth Hospital Birmingham. Recently, he has registered as a Clinical Scientist following a successful application to the Association of Clinical Scientists. In addition, he teaches at the University of Birmingham (with whom he is an Honorary Research Fellow) and has supervised a number of Medical Science undergraduates during their final year projects.

Throughout his career, he has been first author and contributed to numerous presentations at national and international respiratory conferences as well as several publications. Currently, his main interests include sleep physiology and the physiology of early COPD and Alpha-1 Antitrypsin Deficiency.



Dr Richard Turner

Dr Richard Turner is a Consultant Respiratory Physician at King's College Hospital, London. He helps run the tertiary referral Cough Clinic for patients with persistent chronic cough. The Clinic is multidisciplinary in approach and is an internationally-regarded centre for cough research. The service has developed ambulatory cough monitoring and cough-related quality of life measurement which are incorporated into routine care, and is active in clinical trials of new treatments for cough.

Workshops at ARTP Conference 2017

Workshop 1

Thursday Morning 08:30 – 09:30

Vyntus BODY – Designed to be Different

Presented by: **Dr. Herman Groepenhoff**,
Sponsored by: **Carefusion**
Room: Rotunda Suite.

This workshop will introduce the new Vyntus BODY by CareFusion and discuss a new era in Body Plethysmography with a focus on Performance, Hygiene and Design.

Workshop 2

Thursday Lunchtime – 13:00 – 14:00

Pulmonary Function beyond the laboratory

Presented by: **Melisa Biggs**
Sponsored by **Vitalograph**
Room: Dublin Suite.

This workshop will discuss the role and benefits of portable pulmonary function testing and highlight the changing locations of where pulmonary function can and is being provided.

Workshop 3

Thursday Lunchtime - 13:00 - 14:00

Principles behind measuring absolute lung volumes using the helium rebreathing method and body plethysmography

Presented by: **Dr. Herman Groepenhoff**
Sponsored by **Carefusion**
Room: Rotunda suite.

This workshop will introduce the delegate to the Resistance-Volume Chart, which shows the relationship between airway resistance and lung volume during the complete tidal breathing cycle. Increase awareness of the clinical importance of tidal breathing analysis measured with bodyplethysmography and how interpretation of the Body results can be simplified by using the Resistance-Volume chart. The objective of the session is to understand the concept of shift volume versus flow and how this is sensitive to changes in airways resistance and lung volumes.

Workshop 4

Thursday Lunchtime - 13:00 - 14:00

From Asthma to Altitude - Respiratory limitations to human performance

Presented by: **Martyn Matthews**
Sponsored by **ARTP Education**
Room: Library suite.

Martyn has 30 years experience providing sports science consultancy support to a range of clients, including professional sports teams, adventure athletes, Olympic and professional athletes, military and emergency services.

He is currently working as a Senior Lecturer at the University of Salford where he is principal investigator on a project involving the remote monitoring of a firefighter's physiology while wearing breathing

apparatus under operational conditions.

He has a particular interest in the physiology of exercise, and in particular on factors that may limit human performance.

This talk explores the circumstances under which ventilation becomes a limiting factor in human performance.

Workshop 5

Friday Lunchtime – 13:30 – 14:30

How best to manage your patients – Start by getting 'Engaged'?

Presented by: **Amy Dickinson and Meg Gibbons**
Sponsored by **ResMed**
Room: Dublin Suite.

This session aims to present case study and real-life examples of allowing patients to engage in their own treatment, by enabling them to track and improve their CPAP device usage, and how it can contribute towards long term compliance and better patient outcomes. The session will include interactive workshop reviewing compliance rates, practical and demonstrable uses of technology in a University Hospital setting.

Workshop 6

Friday Lunchtime - 13:30 - 14:30

Resistance-Volume chart: simplified summary of the body measurement results in one graph

Presented by: **Dr. Herman Groepenhoff**
Sponsored by: **Carefusion**
Room: Rotunda Suite.

This session aims to introduce the delegate to the Resistance-Volume Chart, which shows the relationship between airway resistance and lung volume during the complete tidal breathing cycle. Increase awareness of the clinical importance of tidal breathing analysis measured with bodyplethysmography and how interpretation of the Body results can be simplified by using the Resistance-Volume chart. The objective is to understand the concept of shift volume versus flow and how this is sensitive to changes in airways resistance and lung volumes.

Workshop 7

Friday Lunchtime - 13:30 - 14:30

Overview of the STP training experience – Student and WBS perspective

Presented by: **Edward Parkes and Trish Matharu**
Sponsored by: **ARTP Education**
Room: Library suite.

This workshop aims to provide an understanding of the training and assessment requirements of the STP. It will also provide clarity to the STP terminology e.g. CBD/OSFA/OCE, provide explanation with regards to the different phases of training and explain the process of workplace accreditation. It will include presentations from an STP graduate/student and a work placed supervisor.

ARTP 2017 41st Annual Conference

Wednesday 18th January

19:00 - 20:30

Civic Reception at Belfast City Hall (Free for all attendees)

All sessions take place in the Grand Ballroom with the exception of those highlighted in green which will be in the Penthouse suite

Thursday 19th January

08:15	Registration Opens		
08:30	Exhibition Open with refreshments		
08.30-09.30	Masterclass – Comparing Paediatric and Adult Sleep Andrew Morley	Early Careers – Role of Research Physiologist in a Clinical Team Dr Jane Kirby and James Stockley	
09.30-09:45	Refreshments		
09:45-10.00	Welcome & Introduction - Dr Karl Sylvester, ARTP Chair		
10:00-11.00	Extreme Physiology Session - Industrial Diving (Chair - Julie Lloyd) Professor David Fishwick		
11:00-11:30	Refreshments in exhibition		
11:30-12:45	Cough Session (Chairs - Adrian Kendrick and Mike Lang)	Paediatric Sessions (Chairs - Paul Burns and Laurie Smith)	
11.30	Cough Diagnosis and Management Professor Alyn H Morice	11:30	Normal lung development throughout childhood Dr Jane Kirkby
12.00	The Measurement of Cough Dr Richard Turner	11:45	Broncho-Pulmonary Dysplasia (BPD) and the implications throughout childhood Dr Rob Primhak
12:30	Questions	12:15	Early origins of COPD Profesor John Holloway
12:45-14:00	Lunch in exhibition		
13:00-14:00	Respiratory Directed Poster Viewing (Chairs - Dr Jane Kirkby and Matt Rutter)		
13:00-14:00	Lunchtime workshops		
14.15-15.15	PK Morgan Memorial Lecture (Chair - Karl Sylvester) Professor Sandy Anderson (Australia) The Development and Clinical Diagnostic Use of the Mannitol Challenge Test		
15.15 - 16.00	ARTP ANNUAL GENERAL MEETING		
16.00-16.30	Refreshments in exhibition		
16:30-17:30	Oral Poster Presentations (Chairs - Dr Jane Kirkby and Edward Parkes)		
16:30	Longitudinal Monitoring of Disease Progression in Children with Mild Cystic Fibrosis Using Hyperpolarised Gas MRI and Lung Clearance Index - Laurie Smith, University of Sheffield		
16:45	Real Flight SPO2 Compares with Hypoxic Challenge Testing in Adults with Cystic Fibrosis - Rob Peat, Liverpool Heart and Chest Hospital		
17:00	What Causes Occupational Asthma In Cleaners? - Vicky Moore, Heart of England		
17:15	The Prevalence Of Undiagnosed COPD In Patients With An Abdominal Aortic Aneurysm And Its Impact On Cardiopulmonary Exercise Tests - Lynsey Archer, Coventry and Warwickshire		
18:45	Buses leave from Europa to Titanic Museum for evening reception (<i>Free for all full conference delegates</i>)		
19:00-22:00	<i>Evening entertainment and buffet at Titanic Museum Belfast (Free for all full conference delegates)</i>		
22:00-1:00	<i>Return travel to Europa followed by disco at hotel</i>		

ARTP 2017 41st Annual Conference

Friday 20th January

08:15	Registration Opens		
08:30	Exhibition Open with refreshments		
08:30-9:30	Masterclass IQIPS Joanna Shakespeare		Early Careers CPAP Downloads: to compliance and beyond Adrian Kendrick
09:30-10:00	Refreshments in exhibition		
10:00-11:30	CPET (Chairs - Joanna Shakespeare and Karl Sylvester)		Sleep Track - Morning Session (Chairs - Sara Parsons and Alison Butler)
10:00	Metabolic Myopathies Dr Marshall Riley		OSA and DVLA Update: what should we be advising our patients in light of new DVLA guidance Dr Wyn Parry
10:30	Pulmonary Hypertension Dr Mark Toshner		Trains, Planes and Automobiles: sleep disorders and the patient's perspective Graham Hill
11:00	Asthma and Exercise, from sick note to podium Dr Martin Johnson		Medico-legal Aspects of Sleep Dr John O'Reilly
11:30-12:15	Refreshments in exhibition		
12:15-13:15	Sleep Keynote Lecture (Chair - Victoria Cooper) Domiciliary NIV during sleep for COPD - who and when? Dr Mark Elliott		
13:15-14:30	Lunch in exhibition		
13:45-14:30	Sleep Directed Poster Viewing (Chair - David Clough and Brendan Cooper)		
13:30-14:30	Lunchtime Workshops		
14:30-16:00	Pulmonary Rehabilitation (Chair - Chris Jones)		Sleep Track - Afternoon Session (Chairs - David Clough and Alan Moore)
14:30	COPD Audit on Pulmonary Rehab Professor Michael Steiner	14:30	So you think you know what your CPAP machine actually does? Professor Thomas Netzel
15:00	Frailty and Sarcopenia in Pulmonary rehab Dr Matthew Maddocks	15:00	Upper Airway Muscle Function in OSA Dr Harry Griffin
15:30	Physiologists Perspective on Pulmonary Rehab Dr Sue Revill	15:30	I Dreamed a Dream: innovation in sleep disorders Professor Paul Gringas
16:00-16:15	Refreshments		
16:15-17:00	Work, Exercise and the Pulmonary Function Lab. Dr Martin Johnson		
19:00 -02:00	Gala dinner and entertainment at Europa Hotel		

Exhibitors' Profiles



ARNS

The Association of Respiratory Nurse Specialists (ARNS), established in 1997 is the primary nursing forum for respiratory nurse specialists lead by respiratory nurses, to promote a higher level of respiratory nursing practice through leadership, education and professional development. ARNS works to influence the direction of respiratory nursing care, engaging with national and international stakeholders and government agencies, to deliver evidence based practice within the rapidly changing healthcare environment. ARNS has in excess of 1500 members from across the primary, secondary and tertiary care sectors. ARNS will be celebrating its 20th Anniversary in 2017 and we look forward to welcoming you to the 20th Anniversary Conference, to be held on 5th and 6th May 2017 at Holywell Park, Loughborough. Full details can be found on the ARNS website.

Email: info@arns.co.uk Twitter: @arns_uk
Web: www.arns.co.uk



Baywater

Baywater Healthcare is a specialist provider of healthcare services to patients with long term conditions, delivering high-quality, cost-effective solutions with a focus on outstanding patient care.

We successfully provide at-home healthcare to more than 30,000 patients throughout the UK with our ultimate aim being to support those who need us.

Our range of healthcare services includes:

- home oxygen therapy,
- sleep diagnostics
- CPAP treatment
- nebuliser therapy
- long term condition management through remote monitoring
- ventilation therapy
- emergency oxygen

Our services contribute to a modern healthcare system by improving patients' quality of life and helping reduce hospital

admissions, co-morbidities and other secondary effects.

Our objective is to support patients in their therapy and encourage long-term compliance. Therefore, as well as equipment and consumables designed for patient comfort, 24/7 support, and equipment servicing and maintenance at home, we also offer advice and support from specialist nurse advisers. Alongside this focus on providing the best possible support and equipment for patients, our aim is also to relieve the administration burden on clinicians, allowing them more time to focus on patient care.



CareFusion

Carefusion

At CareFusion, we have always been united in our vision to improve the safety and lower the cost of healthcare for generations to come. We are passionate about healthcare and helping those that deliver it.

With that in mind CareFusion/BD and Apax Partners are pleased to announce the launch of our joint venture as a stand-alone, global respiratory company, Vyaire Medical. Vyaire Medical will continue with our vision by becoming the world's largest pure-play "breathing company". This pure respiratory "startup" company comes with a 65-year proven track record of pioneering, innovating, and advancing respiratory diagnostics, ventilation, and anesthesia delivery & patient monitoring.

Vyaire Medical

Vyaire Medical, comprises all of CareFusion's Respiratory Solutions business lines, including Ventilation, Respiratory Diagnostics, Vital Signs and AirLife. From industry-pioneering brands like Jaeger, Micro Medical and Sensormedics to respected industry leaders like AirLife, Vital Signs, Viasys, and many others.

Vyaire Medical has more than 5,000 employees globally, all focused on a shared purpose of closely collaborating with healthcare providers and institutions to deliver world-class products, support, and

services that contribute to the overall health and wellness of society.

As a singular, highly focused Respiratory company, Vyaire Medical is fully dedicated to bringing new respiratory and anaesthesia innovations and unparalleled customer service to you and the patients you serve. We will continue to focus on the needs of healthcare providers, investing in product innovation to bring new ideas and concepts to market that improve patient outcomes and address unmet clinical needs.

We are excited by the future of Vyaire Medical and the possibilities this new company creates. We remain committed to delivering the high quality products and service that you have come to expect from CareFusion and we look forward to continuing to serve you.

You will continue to be supported by our UK team of 14 individuals, including a dedicated clinical application and IT/Connectivity specialist and a team of clinical physiologist account managers, all committed to the UK Respiratory Diagnostics division and focused on providing best in class service for our customers.

For more information please visit us at 17 and 18 where we will be more than willing to answer any questions or queries, that you may have.

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Website: www.carefusion.co.uk/our-products/respiratory-care/cardio-pulmonary-diagnostics/metabolic-carts-cpet-and-nutrition

Exhibitors' Profiles



Dolby Vivisol

Dolby Vivisol is a unique UK provider of Home Healthcare services specialising in respiratory care. They offer a range of services including home oxygen therapy; of which they currently hold three of the NHS regional contracts for providing this service to over 20,000 patients.

Dolby Vivisol also offers a range of other service including ventilation, diagnostics and treatment of sleep disordered breathing and nebulizer therapy of which they provide to over 300,000 patients across Europe.

Through their extensive experience throughout the UK and Europe supporting research and innovation, they successfully provide patients with an exceptional level of care which ultimately improves their quality of life.

This year Dolby Vivisol will be launching their E-Learning service supported and accredited by the University of Brighton. Their educational services will include an online platform with a range of modules based around respiratory healthcare offering healthcare professionals easy access to CPD accredited content. Come visit the Dolby Vivisol stand at the ARTP conference and see how they could make a difference to your healthcare service.



Drive DeVilbiss Healthcare

Drive DeVilbiss Healthcare are one the world's leading manufacturers and distributors of durable medical products.

DeVilbiss Healthcare and a number of other healthcare companies were acquired by Drive Medical in 2015. At the start of 2017 the integration was completed and in the UK we are now operating as one single entity – Drive DeVilbiss Healthcare.

You know us as providers of oxygen, sleep and respiratory therapy but we are also specialists in a number of other segments, homecare, daily-living aids, mobility and pressure prevention to name just a few. Our ultimate aim is to support our customers

and users now and for the road ahead.

Whilst you are in Belfast visit us on stand 1 to view the new additions to our DeVilbiss Blue CPAP series, the S and the ST Bilevel devices. These new, advanced devices join the standard DeVilbiss Blue CPAP device launched in 2015 to join a series that is designed to detect more, to treat more. Our ever popular SleepCube series is also being shown during the conference.

Our expert staff will be hand to answer any questions that you may have, as well as providing advice and product demonstrations.



Fisher and Paykel

Fisher & Paykel Healthcare is a leading designer, manufacturer and marketer of products and systems for use in respiratory care, acute care, surgery and the treatment of obstructive sleep apnoea.

As an innovator, we relentlessly search for new ideas that change outcomes, improve experiences and give healthcare professionals new possibilities to enhance their daily work. As an enabler, we bring compassion, care and empathy to our work. We are always curious and leading edge, thinking differently about the problems that stand between patients and the lives they want. In the interests of patient care, we go where others wouldn't or haven't. We bring the answers to life in products that redefine expectations.

Some patients are nose breathers, others breathe through their mouth and some are a combination. Patient adherence is better supported by choosing a mask based on how a patient breathes. Only Fisher & Paykel Healthcare offers a mask in all four delivery categories.

Our high-performance family of masks simplifies the daily challenges of therapy. They are designed and renowned for:

Comfort: Facial comfort is achieved through unique cushioning technologies which contour the face. Together with innovative headgear designs, greater comfort is being achieved by lighter masks, softer seals and small frame profiles.

Seal: An optimal mask seal is offered and achieved in each delivery category. All are designed to minimize leakage and maximize therapy adherence.

Easy Use: With a focus on simplicity, our family of masks are designed to be easy in every respect: set-up, cleaning, adjusting and sleeping. Just fit and forget.



GVS Filter Technology

The GVS Group is one of the world's leading manufacturers of microfiltration devices. GVS Filter Technology produces a wide range of filters and components, including GVS innovative in-house filtration media development, covering many applications in medical air and liquid filtration, as well as for analytical, chemistry and life-science laboratory applications.

GVS Medical Air Filtration division provides a custom design and manufacture capability in addition to an already extensive proprietary range, offering HMEs, HMEFs, filters with efficiencies up to 99.99999%, designed for the removal of surgical smoke, and specific filters for use in oxygen concentrators, ventilators, CPAP machines, spirometry. We also manufacture Suction Filters, Insufflation Filters, Spirometry Filters, Vent Filters, and Homecare products. Products are available bulk packed, individually packed clinically clean, and or individually sterile upon request.

For additional information, please visit www.gvs.com
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Exhibitors' Profiles



Intermedical

Intermedical Cardio-Respiratory is the specialist division of Intermedical set up to focus specifically on the respiratory sector of healthcare. We are specialists in spirometry, advanced lung function testing systems, portable devices for measuring FeNO, smoking cessation, 24hr ambulatory blood pressure monitors & sleep diagnostics as well as a unique solution for 6 minute walk tests. We are also a manufacturer and distributor of spirometry consumables for major brand diagnostic equipment.

After its unveiling at last year's ARTP, we will be displaying the MIR Intermedical Spirolab desktop Spirometer. Especially developed for UK respiratory healthcare professionals with a large 7 inch touchscreen and built in printer. Now comes with Spirometry software.

We will also be showcasing the Resmon™ Pro FOT system as well as the ndd range, including the EasyOne Pro LAB portable TLCO system and Easyon-PC Spirometer. The world's smallest 12-channel sleep recorder called the Medibyte, will be on show together with our range of CPAP masks.

Intermedical (UK) Ltd
Unit 6 Mill Hall Business Estate
Aylesford Kent ME20 7JZ
Tel: 01732 522444 www.intermedical.co.uk



Itamar Medical

Itamar Medical introduces Total Sleep Solution™. The solution is designed to expand the reach of sleep apnea diagnosis and therapy amongst populations of OSA comorbidity patients, predominantly cardiovascular diseases. The solution is based on Itamar Medical innovative WatchPAT™ home sleep testing device, enabling simple, accurate and fast sleep testing.



IQIPS

Improving Quality in Physiological Services (IQIPS) is a professionally led programme with the aim of improving services, care and safety for patients undergoing physiological tests, examinations and procedures. The programme is owned and hosted by the Royal College of Physicians, with accreditation delivered by the UK Accreditation Service (UKAS). IQIPS offers the benefits of sharing best practice and the opportunity to enhance efficiency with evidence for local leverage. Accreditation also brings national recognition to the service with a badge of quality. IQIPS is a CQC approved scheme, which means that publically available information will be taken into account in the CQC inspection methodology.



Medical Graphics

Medical Graphics UK Ltd have built an exceptional reputation for providing the best quality Cardio Respiratory products and providing the highest levels of customer support.

Our attention to customer need has led to us being awarded the prestigious title of 'Respiratory Company of the Year' by the ARTP for the last two years.

Building on this reputation, we are proud to have been awarded the Distribution agreement for the Medisoft range of products to add to our portfolio. With the ability to offer such a wide range of devices from two highly respected manufacturers we are confident that we will be able to provide the most comprehensive solutions for any Respiratory Lab.

If you are an existing Medisoft Customer, please feel free to visit our stand to discuss how we will work together to ensure continuity of support.

On our stand, we are displaying a mixture of Medgraphics and Medisoft equipment along with a sneak preview of our latest, soon to be released Software so please pop by and discover why more and more labs are switching to Medical Graphics UK Ltd.

For all enquiries please use the contact details below.

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nSpire

nSpire Health™ is a global respiratory information systems software developer and medical device manufacturing company. We are the exclusive provider and developer of Iris™, the world's first Integrated Respiratory Information System; and KoKo® pulmonary function systems, diagnostic spirometry, and respiratory home monitoring devices. Together, our expert, scalable software solutions, sophisticated data collection products and gold standard after sales support empower healthcare providers to advance respiratory diagnostic processes, improve patient care and run a world class service.



Radiometer is the world's leading provider of technologically advanced acute care solutions that simplify and automate all phases of acute care testing. Radiometer offers:

- Transcutaneous monitoring (TCM5)
 - non-invasive, continuous and real-time information on oxygenation and ventilation status
- Blood gas analysis (ABL90 FLEX PLUS) – results in only 35 seconds from as little as 45µl blood sample
- HemoCue WBC 5-part DIFF – portable analyser providing lab quality results within minutes

Exhibitors' Profiles

• IT systems (AQUIRE) – 100% data capture and results where you need them
By providing fast and accurate acute diagnostic results, healthcare professionals can make immediate and well-informed decisions enabling them to improve patient care and optimise patient flow.

Radiometer Limited
Manor Court
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West Sussex
RH10 9FY

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Website: www.radiometer.co.uk
www.acutecaretesting.org



RCCP

The Registration Council for Clinical Physiologists (RCCP) was established in 2001 and maintains a voluntary register for clinical physiologists in the UK practicing in the six disciplines of clinical physiology: respiratory physiology, audiology (including hearing therapists), cardiology, gastrointestinal physiology, neurophysiology, and sleep physiology. Our key aim is to ensure the highest levels of safety for patients of clinical physiologists. We exist because the profession is not regulated by the government, which means that clinical physiologists are not regulated and monitored in the same way as doctors and nurses and they cannot be sanctioned in the same way if mistakes occur.

We ensure high standards in clinical physiology by ensuring that registrants continually abide by our code of conduct and standards for the protection of the public.

A clinician who is on RCCP Register has volunteered to be regulated by RCCP and their registration comes with an assurance that they have the highest standards of education and training and that no serious concerns have been raised with us about their work.



RemoteA

Limited by sleep devices? RemoteA provides you with limited PSG devices and a platform to carry out sleep studies remotely to develop and create alternative pathways. Our devices are provided free as part of our service. You should not be limited by the amount of devices you have to setup, deliver or expand your sleep service!



RemServe

RemServe Medical is an innovative company drawing on over 30 years of experience both in the NHS and through medical devices companies such as Smith and Nephew, Smiths Industries, Kimal Scientific, and latterly ResMed UK LTD selling to the NHS sector.

Specialising in Respiratory devices and Critical Care products. RemServe Medical uses a select network of companies to offer information, advice and a product compatibility search to match the needs and requirements of the clinician and departments.

With a Professional, honest and ethical approach - RemServe Medical offer sales, service, support and training, ensuring best practice and best product match to guarantee continued clinical excellence and partnership with the NHS.

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ResMed

ResMed (NYSE:RMD) changes lives with award-winning medical devices and cutting-edge cloud-based software applications that better diagnose, treat and manage sleep apnea, chronic obstructive pulmonary disease (COPD) and other chronic diseases. ResMed is a global leader in connected care, with more than 2 million patients remotely monitored every day. Our 5,000-strong team is committed to creating the world's best tech-driven medical device company – improving quality of life, reducing the impact of chronic disease, and saving healthcare costs in more than 100 countries.



S-Med

As in previous years, S-MED will be showing the latest versions of our DOMINO and DOMINO light Software together with some exciting new features designed to make the users life much easier when setting up or analysing recordings. Please stop by and take a look. We will also be showing our new Home Sleep Camera which allows unattended recordings to be made with synchronised video.

PIMS has had some exciting new updates and can now automatically send CPAP machine data directly to AirView. Our move to new offices, almost a year ago now, had been a great success and allowed us to improve on the service we are able to provide you with. S-Med continues to maintain our strong reputation in the sleep diagnostic market as the supplier of the SOMNomedics range of Sleep Diagnostic Equipment. The success of SOMNomedics continues and we will again be showing the exciting SOMNotoch Respiratory Screener, the industry beating device weighing in at 58g with a large colour touch screen display and built-in SpO2 monitor and rechargeable battery. We wish to thank you for your continued support and we look forward to another year working with you to achieve your goals.

S-Med Ltd. Unit 8 Empire Court Albert Street, Redditch B97 4DA

Tel: 0121 655 0092
Email: enquiries@s-med.co.uk
Website: www.s-med.co.uk



SomnoMed

SomnoMed® – The Leader in COAT™
(Continuous Open Airway Therapy)

SomnoMed provides treatment solutions for Sleep-related Breathing Disorders including obstructive sleep apnea, snoring and bruxism. SomnoMed was commercialized on the basis of extensive clinical research. Supporting independent clinical research, continuous innovation and instituting medical manufacturing standards has resulted in SomnoDent® becoming the state-of-the-art and clinically proven medical oral appliance therapy for obstructive sleep apnea (OSA). More than 300,000 patients around the world have treated their mild to moderate obstructive sleep apnea (OSA) with SomnoDent oral device therapy. Worn during sleep and fitted by a dental sleep specialist, the SomnoDent line of oral appliances are customized to offer superior comfort and quality to each individual patient.

Our Mission

To delight our customers and patients with the highest quality products and services for the treatment of Obstructive Sleep Apnea (OSA).



Stowood

Stowood Scientific Instruments, based in Oxford, are the authors and suppliers of Visi-Download, which is the 'gold standard' software for downloading many manufacturers' oximeters and capnometers (including Masimo, Konica Minolta, Bitmos, GE (Ohmeda) Radiometer, BCI, SenTec, Nonin, Creative).

We make:

- The Visi outpatient sleep monitoring system
- Black Shadow and Black series sleep screeners
- OSLEP-2 test, a behavioural alternative to the Multiple Wakefulness Test
- Visi-Download
- HOxAM database for managing oxygen in the home.

We distribute:

- Konica Minolta wristwatch oximeters and accessories
- The new Embletta and Embla sleep systems, accessories and consumables
- Polywatch low-cost sleep monitor
- PVDF sensors for all sleep monitors
- Grass electrodes

Stowood's ethos is to prioritize customers' technical requirements over fast sales. We celebrated our 20th anniversary in September 2012 and are proud to be once again spending this, our 24th year, working with the UK's sleep experts.

Stowood Scientific Instruments Ltd
Royal Oak Cottage
Beckley Oxford. OX3 9UP
Tele: 01865 358860
Email: sales@stowood.com
Website: www.stowood.com

PHILIPS

RESPIRONICS

Philips Respironics

Philips is a global leader in the sleep and respiratory care markets. With more than 10 years of cloud-based data sharing experience and analytics for more than 7 million patient lives, Philips Respironics has a long history of leading new innovation in both devices and informatics solutions to help patients sleep and breathe better. Visit the Philips stand to experience our Dream Family solution for sleep apnoea patients, developed with insights from sleep doctors around the world and nearly 700 patient user trials. We've applied everything we've learned from our more-than-30 years of innovation in CPAP systems, and focused on making the system comfortable and easy in every possible way.

DreamStation: Your patients can embrace their care with confidence with easy-to-navigate menus, remote diagnostics, a sleek, compact profile and incredibly quiet operation. DreamStation helps make it simple to start, customise and continue sleep apnoea therapy.

DreamWear: It looks different because it is different. DreamWear's unique design offers

many of the benefits of nasal and pillows masks to allow patients to have the best of both mask types. DreamWear patients feel like they are not wearing a mask at all.

DreamMapper: Our best sleep apnoea engagement tool ever has helped hundreds of thousands of patients engage with their PAP therapy. Our latest study analysed nearly 173,000 patient records and showed that 58.3% more people used their therapy every night when they used DreamMapper. Visit our stand for a copy of the new white paper.



Vitalograph

Vitalograph is a world leading provider of outstanding quality cardio-respiratory diagnostic devices, clinical trials and medical equipment servicing with over 50 years' experience as a manufacturer and innovator. Our extensive respiratory range includes spirometers, peak flow meters, COPD screeners, asthma monitors, e-diaries, and inhaler training devices. With a pioneering heritage of excellence spanning half a century Vitalograph continues to be a trusted cardiorespiratory partner to respiratory care professionals in the UK.

Our devices include fully integrated NIBP, SaO2 and ECG. We are proud to announce the release of MIPs and MEPs as well as the new rolling seal spirometer for volumetric measurements and the new Inspiratory module for exact inhaler technique measurement.

Our new Spirotrac 360 provides quality-assured measurements with locally controlled, expert over-reading of spirometry in primary care, occupational health, or post-training environments. Spirotrac's networking and HL7 interface provides full connectivity with HIS/EPR software.

Come and visit us to discuss what solutions best suit your department.

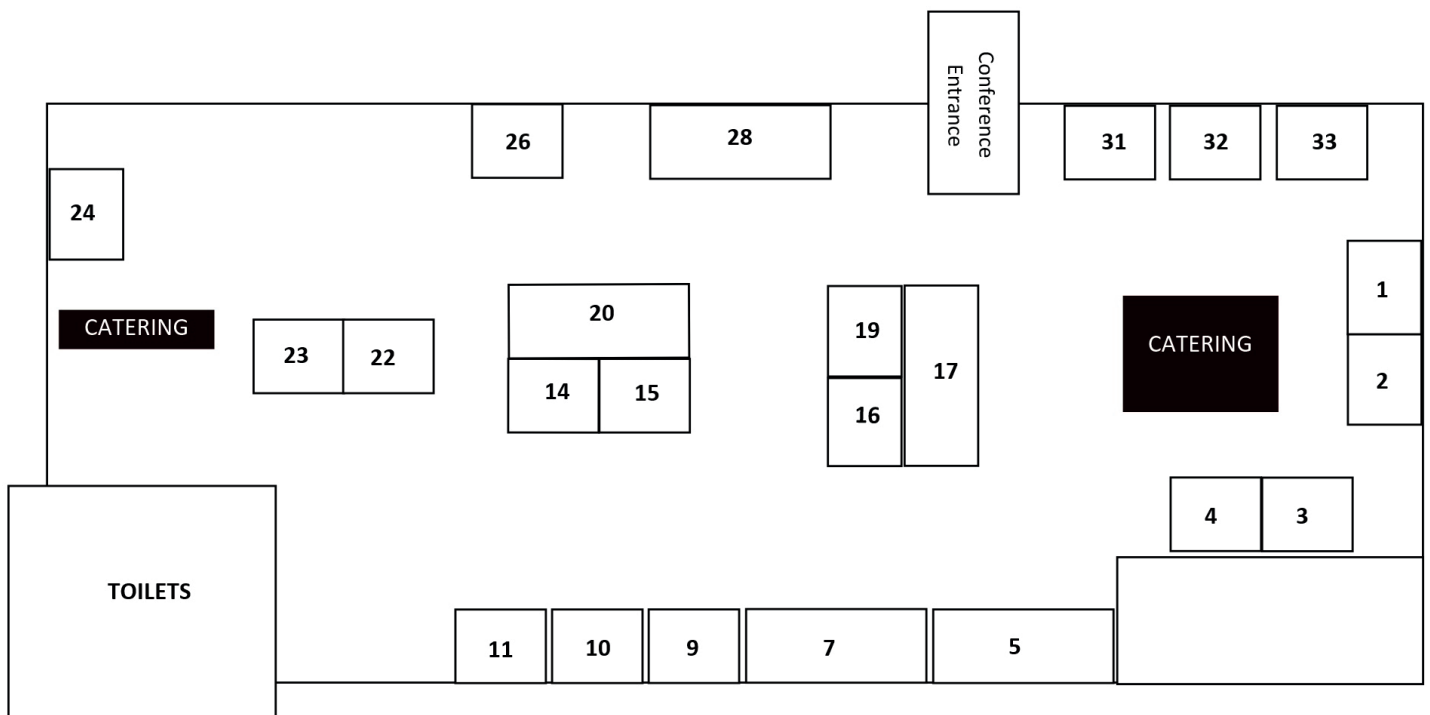
Poster and Spoken Presentations

	Name Of Principle Author	Abstract Title
1	Megan Beacham	Would Changing From European Community For Coal And Steel (ECCS) Reference Equations To The Global Lung Initiative (GLI) Reference Equations Affect The Grading Of Severity Of COPD
2	Richard Glover	Development Of A Non-complex Non-invasive Ventilation Service In A General Hospital: Process, Early Data And Rationale
3	Baljinder Kaur	An Investigation Of The Correlation Between Alveolar Volume (VA) And Total Lung Capacity (TLC) In A Cohort Of Patients Referred For Lung Function Testing.
4	Sara McArthur	A Patient Presented To Hospital With Breathlessness, Headache, Disturbed Vision And Hypoxia- A Case Study.
5	Joanne Mitchell	Sensations Associated With Experimentally Evoked Cough: A Comparison Of Chronic Cough Patients With Healthy Controls
6	Emma Munro	A Comparison Of The Correlation Of Health Status Of The One Minute Sit-to-stand Test (STST) And The Six Minute Walk Test (6MWT) In Stable COPD.
7	Rachel Noakes	Evaluation Of 7 Separate Shunt Fraction Formulas Used In Clinical Practice
8	Edward Parkes	The Inter-Rater Variability in Determining the Anaerobic Threshold (AT) After Preoperative Cardiopulmonary Exercise Testing (CPET)
9	Rob Peat	Telemedicine Spirometry Validation
10	Stephanie Rees	A Modified Hypoxic Challenge Test (HCT) Assessment On A Patient With Congenital Central Hypoventilation Syndrome (CCHS)
11	Trishandeep Matharu	A Pilot Study Investigating The Benefits Of Performing Sleep Diagnostics In Primary Care Of A Local Population.
12	T Sharley	A Comparison Of Two Spirometers In Healthy Subjects And Patients With Respiratory Disease
13	Alison Butler	Does Epworth Sleepiness Score (ESS) Predict Compliance With Continuous Positive Airways Pressure (CPAP) Therapy, In Patients With Obstructive Sleep Apnoea (OSA)?
14	Nuno Cachada	Comparison Of Manual And Automatic Scoring Of Limited Channel Sleep Studies: Noxturnal Software Correlates Well With Manual Scoring In Severe OSA.
15	Francois Clavaud	Can RIP Flow Analysis Be Used As A Reliable Alternative To Nasal Cannula Flow During Sleep Studies?
16	Gemma Cramp	Comparison Of CPAP Pressures Using A Predicted Equation Versus 95th Percentile Calculated By Autotitrating CPAP Machines
17	Ansel Godinho	Signal Integrity Audit On Paediatric Cardiorespiratory Sleep Studies.
18	Shoug Humoud	Intermittent Negative Airway Pressure: Could It Have Implications For Treating OSA?
19	Keeley Newby	Review Of Good Hope Hospitals' Continuous Positive Airway Pressure (CPAP) Annual Follow Up Service.
20	Ms O'Sullivan	Comparison Of Auto-titrating CPAP Derived Apnoea-Hypopnoea Index With Pulse Oximeter Oxygen Desaturation Index In Patients With Obstructive Sleep Apnoea
21	Shannon Webber	Utilisation Of Overnight Oximetry In A Regional Sleep Service
22	Julie Davenport	'A Retrospective Audit Of Clinical Data To Determine Whether, Within One West Midlands NHS Trust, NICE (2008) Guidance Is Followed For The Treatment Of Patients With Obstructive Sleep Apnoea'
23	T Sharley	Quality Review of Embletta Polygraphy Service
O1	Lynsey Archer	The Prevalence Of Undiagnosed COPD In Patients With An Abdominal Aortic Aneurysm And Its Impact On Cardiopulmonary Exercise Tests
O2	Vicky Moore	What Causes Occupational Asthma In Cleaners?
O3	Rob Peat	Real Flight SPO2 Compares With Hypoxic Challenge Testing In Adults With Cystic Fibrosis
O4	Laurie Smith	Longitudinal Monitoring Of Disease Progression In Children With Mild Cystic Fibrosis Using Hyperpolarised Gas MRI And Lung Clearance Index
Thursday poster viewings – Posters 1 to 12. Friday poster viewings – Posters 13 to 23 Oral presentations – Thursday 16:30 to 17:30		
All posters are displayed in the Grand Ballroom (main plenary room)		

ARTP 2017 Exhibition Floorplan

01	Drive DeVillbiss
02	Intus Healthcare
03	ARNS
04	Intermedical
05	ResMed
07	Medical Graphics
09	RemoteA
10	RCCP
11	Somnomed
14	IQIPS
15	GVS Filter Technology
16	S-Med

17	Carefusion
19	Dolby Vivisol
20	nSpire Health
22	Stowood Scientific
23	Fisher and Paykel
24	ARTP
26	Baywater
28	Vitalograph
31	Sword Medical
32	Philips Respironics
33	Radiometer





We turned the design over to the experts

The result is a patient-driven sleep apnoea solution

Introducing our most rigorously researched sleep therapy system. The blueprint for the Dream Family came from interviews with people who use PAP technology every day, and the people who manage their treatment. It's helping patients rediscover their dreams.

- User-friendly DreamStation PAP device designed to increase long-term patient use
- Innovative DreamWear mask rated more comfortable, more stable, more appealing and easier to use¹
- Interactive DreamMapper patient support application leads to 22% more adherence²

innovation  you

¹ Than their prescribed mask; survey of U.S. patients

² In a retrospective review conducted by Philips Respironics of approximately 15,000 patients using System One, those patients who used DreamMapper demonstrated 22% greater adherence to the therapy than patients who did not use DreamMapper

Dream Family

Come to our stand to experience the Dream Family today and get your photo taken wearing our innovative DreamWear nasal mask

PHILIPS