



BSCI Annual Spring Meeting | Speaker Biographies

Dr Ed Nicol (Royal Brompton)

Ed Nicol is a Royal Air Force consultant cardiologist who works as an honorary consultant at both the Royal Brompton and Chelsea & Westminster Hospitals. He is an honorary senior lecturer at both Imperial College, London (Cardiology) and Keele University (Healthcare Leadership) where he gained his Doctorate and MBA respectively. He has published over 200 original papers, book chapters and books covering cardiovascular CT, cardiology, military and aviation medicine, and healthcare leadership.

He is the Chair of the SCCT Education committee and sits on the SCCT Board of Directors, he is Chair of the UK cardiovascular imaging Council, is the UK Royal College of Radiologists' Travelling Professor of Cardiovascular Imaging, Immediate past President of the British Society of Cardiovascular Imaging and British Society of Cardiovascular CT. He was the programme committee chair for SCCT Dublin 2019 as he was for SCCT London 2018.

Dr Manish Motwani (Manchester Heart Centre)

Dr Manish Motwani is a Consultant Cardiologist at Manchester Heart Centre, UK. He specializes in non-invasive cardiac imaging including cardiac MRI, cardiac CT, echocardiography & advanced nuclear techniques. He has trained in several world-class academic & clinical centres including the Leeds Institute of Cardiovascular & Metabolic Medicine, UK and Cedars-Sinai Medical Centre in Los Angeles, USA. His research across a number of fields has won several international, national and regional prizes. His PhD thesis studied advanced cardiac MRI techniques in coronary artery disease. Recent research includes developing applications for machine learning in cardiac imaging data and other artificial intelligence in medicine techniques.

Dr Leon Menezes (Bart's Heart Centre)

Leon is Lead in Nuclear Cardiology at the Bart's Heart Centre, and Consultant Radiologist and Nuclear Medicine Physician at University College London Hospitals. He read Physiology and Medicine at Oxford, trained in Clinical Radiology at Guy's & St. Thomas', and in Nuclear Medicine at University College London Hospital. He was previously a European Society of Radiology Fellow in Cardiac Imaging at La Sapienza, Rome. He is current President of the British Nuclear Cardiology Society.

His clinical interests are in multi-modality and hybrid cardiac imaging, using SPECT and PET, with Cardiac CT and Cardiac MRI. His research interests involve the application of these hybrid modalities to both rare and common cardiovascular diseases, such as sarcoidosis, amyloidosis, and atherosclerosis, with funding from the Royal College of Radiologists and the British Heart Foundation.

Dr Sukumaran Binukrishnan (Liverpool Heart and Chest)

Dr Binukrishnan is a cardiothoracic radiologist at Liverpool Heart and Chest Hospital NHS FT. He attained his Medical degree from Trivandrum Medical College, Kerala India. He subsequently moved to the UK and completed his MRCP in 1999 followed by FRCR in 2005. He undertook his Radiology training at the Mersey school of Radiology. He subsequently obtained cardiothoracic subspecialty training in Cardiac CT and cardiac MRI at University of Erlangen Germany and Stanford University Medical center USA. He was clinical lead for cardiac CT and cardiac MRI at LHCH from 2006 to 2017. His research interest includes cardiomyopathy and ischemia imaging, CT techniques in alcohol ablation, adult congenital heart disease and lung cancer.

Dr Andrew Kelion (John Radcliffe)

Andrew has been a Consultant Cardiologist at the John Radcliffe Hospital in Oxford since May 2013, having previously been a Consultant and Director of Imaging at Harefield Hospital for 11 years. He has a subspecialty interest in echocardiography, nuclear cardiology (CBNC accredited) and cardiovascular CT (BSCI level 3 accredited).

Andrew is a former President, Treasurer and Secretary of the British Nuclear Cardiology Society. He currently chairs the Secretary of State for Transport's Honorary Medical Advisory Panel on Driving and Disorders of the Cardiovascular System. Andrew was also a Topic Expert on the NICE Committee which updated the Chest Pain of Recent Onset Guideline CG95. Over the years he has co-authored a number of influential national documents, including National Procedure Guidelines for Myocardial Perfusion Scintigraphy (2004 and 2013). Locally, he has been actively involved in the development and implementation of chest pain pathways.

Andrew is active in research and was a member of the steering committees of two important recent multicentre studies, CvLPRIT and CE-MARC-2. Locally he is involved in research using coronary CT imaging to phenotype perivascular adipose tissue as an indicator of coronary inflammation, and DPD scintigraphy in cardiac amyloidosis. Andrew is a regular contributor to many national training courses and conferences. He co-wrote the Oxford Handbooks of Nuclear Cardiology (first and second editions) and Cardiovascular CT (first edition).

Dr Giles Roditi (Glasgow Royal Infirmary)

Giles Roditi is currently the President of the BSCI/BSCCT and a consultant Radiologist at Glasgow Royal Infirmary since 1997 with clinical and research interests in cardiac CT, cardiac MRI and MRA techniques for which he is a recognised national expert. He is Radiology Lead for non-invasive Cardiovascular Imaging for NHS Greater Glasgow & Clyde; Involved in cardiac MRI and body MRA since a Harvard Fellowship in 1994 with particular research interests in CMR, renovascular and lower limb MRA; Level 3 accredited in Cardiac MRI; Board member SMRA; Involved in cardiac CT since 2003; Lectured nationally on cardiac CT including on accreditation courses and holds Level 3 Cardiac CT accreditation through the BSCI. He is interested in all aspects of radiological contrast particularly MRI contrast agents, including adverse events and risk management, and recently updated the RCR Standards for Intravascular Contrast Administration to Adult Patients. Involved in promoting non-invasive cardiovascular imaging at all levels in the UK and internationally.

Dr Anna Kydd (Royal Papworth)

Anna Kydd is a consultant Cardiologist at Royal Papworth Hospital Cambridge in Advanced heart failure, mechanical circulatory support and transplantation and Cardiac Imaging. Her cardiology training was undertaken in Cambridge and Eastern deanery including an imaging fellowship in cardiac MRI at The heart hospital and Barts Health NHS Trust. During this period she gained accreditation in cardiac MRI (ESC level 3 accreditation), transthoracic and transoesophageal echocardiography. She was awarded an MD from Cambridge University for research into the role of echocardiography in guiding CRT. She is actively involved in training and education in both advanced heart failure and cardiac imaging and has lectured nationally and internationally in these subjects. She is the current lead for post heart transplant ongoing care and her current research interests include investigating the role of cardiac imaging in advanced heart failure and post-transplant patients.

Dr Bobby Agrawal (Royal Papworth)

Having trained in Radiology in Cambridge, Bobby went on to do a Subspecialty Fellowship in Cardiac and Thoracic radiology at Papworth Hospital in Cambridgeshire and then a Fellowship in Cardiac MRI at Southampton University Hospital.

Since his appointment as Consultant in Cardiac and Thoracic Radiology at Papworth Hospital in 2008, he has developed subspecialty interests including Stress imaging, Cardiac CT and GUCH imaging. Other imaging interests include Nuclear imaging. He has been the Clinical lead for CMR since 2009 and the Clinical Lead for Radiology at Papworth since 2012.

Other roles include Lead for Radiology IT and Associate Lecturer at the University of Cambridge.

He is now leading the transition of imaging from the current Papworth site to its new home on the Biomedical Campus in Cambridge.

Professor James Moon (University College London)

James is a Professor of Cardiology UCL, London and the Clinical Director of Imaging at Barts Heart Centre (BHC), and medical director of Chenies Mews Imaging centre. Formerly, he set up and lead the Heart Hospital Imaging Centre. Barts Heart Centre has 3 dedicated CMR scanners (2 1.5T Aeras and a 3T Prisma). The centre is at scale – estimates of annual activity are 9,000 CMR scans, 3000 nuclear scans, 5500 CT scans and 60,000 echos. CMIC has 2 dedicated CMR scanners.

Trained at Cambridge and Oxford, his MD at Imperial was 'myocardial tissue characterization by CMR'. His current research group of 10 fellows have particular interests in measuring diffuse myocardial fibrosis (health, disease); iron, fat infiltration and amyloid using "T1 mapping". He has published more than 300 papers and works in partnership with Pharma to develop surrogate endpoints for clinical trials including first in man studies. Another interest is in making scans faster/cheaper and in improving/maintaining quality as CMR expands. He set up and leads the international T1 mapping development group aiming to "coordinate activity to the goal of being able to change therapy using CMR endpoints". He is a former board member of SCMR, the immediate past president of the British equivalent, BSCMR. He is a former member of NICE.

Dr Jason Tarkin (University of Cambridge)

Jason Tarkin is a Wellcome Clinical Research Career Development Fellow at the University of Cambridge, and a Cardiology Sub-Specialty Imaging Trainee at Addenbrookes and Hammersmith Hospitals. Previously, he was an NIHR Academic Clinical Lecturer at the National Heart & Lung Institute, Imperial College London, a Cardiology trainee at the Barts Heart Centre, and a Wellcome PhD Research Fellow at the University of Cambridge. Jason was winner of the 2018 William W. Parmley Young Author Achievement Award from the American College of Cardiology, and the 2016 Melvin Judkins Young Investigator Award from the American Heart Association. He graduated with Distinction in Medicine from St. George's, University of London in 2008, and was awarded summa cum laude with honors in Biology from the University of New Hampshire in 2003. Jason's current research programme aims to examine potential clinical translational applications of a novel method for imaging vascular inflammation using PET-MRI.

Professor David Newby (University of Edinburgh)

Professor Newby is British Heart Foundation Duke of Edinburgh Chair of Cardiology at the University of Edinburgh, Director of the Wellcome Trust Clinical Research Facility, Director of Edinburgh Imaging facilities, and a Consultant Interventional Cardiologist at Royal Infirmary of Edinburgh. He has major interests in experimental medicine and the advanced

imaging of cardiovascular disease including coronary heart disease, aortic stenosis and heart failure. He currently holds a British Heart Foundation Programme Grant and a Wellcome Trust Senior Investigator Award to explore advanced imaging in coronary heart disease. He also has a major interest in the atherothrombotic effects of air pollution, and the interaction between cardiac and respiratory diseases. He has been involved in several multicentre trials and has played a major role in the conduct of the SALTIRE (Scottish Aortic stenosis Lipid lowering Trial, Impact on REgression) and 3CPO (Health Technology Assessment trial of non-invasive ventilation for acute cardiogenic pulmonary oedema) trials. He is Chief Investigator for the SCOT-HEART trial funded by the Chief Scientist Office; a national multicentre randomised controlled trial of computed tomography coronary angiography. He is Chief Investigator of the Wellcome Trust-funded multicentre trial: Prediction of Recurrent Events with 18F-Fluoride to Identify Ruptured and High-risk Coronary Artery Plaques in Patients with Myocardial Infarction (PRE18FFIR) trial and the British Heart Foundation funded DUAL antiplatelet therapy in Acute Coronary Syndromes in Scotland (DUAL-ACS2) trial.

Professor Richard Coulden (University of Alberta)

Richard Coulden is a cardiothoracic radiologist who trained in radiology in Cambridge. He went on to do cardiac imaging fellowships in Manchester, Chicago & Uppsala. He has been a consultant for 28 years working at Papworth/Addenbrookes, Glenfield & now is chair of cardiac imaging at the University of Alberta. His research interests have been in the imaging & management of lung cancer, imaging ischaemic heart disease, pulmonary hypertension and most recently multi-modality imaging of cardiac sarcoid. He is an examiner and senior examiner of the RCR and was the founding chairman of BSCR, subsequently BSCI.

Dr Joanna Pepke-Zaba (Royal Papworth)

Joanna Pepke-Zaba, PhD, FRCP, graduated from Warsaw University School of Medicine in Poland before undertaking a fellowship in respiratory physiology at Royal Papworth and Addenbrooke's Hospitals, University of Cambridge, which resulted in a PhD. She is the lead physician and Director of the National Pulmonary Vascular Diseases Unit at Royal Papworth Hospital. She is member of Pulmonary Hypertension Clinical Reference Group and previously chaired the National Pulmonary Hypertension (PH) Centres Committee for the UK and Ireland. Her main research has concentrated on the translational programmes in the field of pulmonary hypertension with specific interest into Chronic Thromboembolic Pulmonary Hypertension and Idiopathic Pulmonary Arterial Hypertension.

Has published over 100 papers in the field of PH and serves on various educational and scientific international committees. She is committed to training in respiratory medicine and was reappointed as Recognised Teacher by the Clinical School of the University of Cambridge. She has been Honorary Senior Visiting Fellow of the University of Cambridge School of Clinical Medicine since 2011.

Dr Nick Screaton (Royal Papworth)

Dr Screaton is an experienced consultant radiologist specialising in cardiothoracic radiology. He was Radiology Clinical Director in Papworth Hospital 2004 – 12, President of the British Society of Thoracic Imaging 2009 – 13, National Institute of Clinical Excellence Guidelines Updates Standing Committee member 2014-17, and member of Royal College of Radiologists Faculty Board 2015-18. He currently sits on the British Thoracic Society Sarcoidosis Guidelines development group. He is Vice President (Publications) for the British Institute of Radiologists and European Society of Thoracic Imaging Councillor. He is Eastern Region Group lead for British Institute of Radiologists and member of the UK Lung Cancer Coalition.

He has a national and international profile in cardiothoracic imaging. His contribution to improved thoracic disease management is recognised by: Regular invitations to speak at & organise national & international meetings and his previous contribution to specialist guideline groups (Developed 12 NICE guidelines 10 with Updates Standing Committee (2013–17), 16 Royal College of Radiologists iREFER referral guidelines as Chest Section Co-lead (2013-16), British Thoracic Society Radical Lung Cancer Management & Bronchiectasis guidelines). He is Vice President for the British Institute of Radiologists leading the publications section which covers 4 specialist imaging journals. He is chest section Senior Editor for British Journal of Radiology, Advisory Editor for Clinical Radiology and regular reviewer for several national and international specialist clinical and imaging journals.

He has published widely on cardiothoracic imaging with over 60 papers in peer reviewed journals, has served as research and education lead for the British Society of Thoracic Imaging and is a regular invited speaker at national imaging meetings

Dr Stephen Hoole (Royal Papworth)

Dr Hoole qualified in medicine with distinction from University of Oxford, and subsequently trained in cardiology in London and Cambridge. He was appointed as a consultant interventional cardiologist in September 2011 and leads interventional research in Cambridge. He is also the clinical lead for valve intervention. His research interests include invasive ventricular and microcirculatory assessment and treatment to improve PCI outcomes. He was shortlisted for the Thomas J. Linnemeier Spirit of Interventional Cardiology International Young Investigator Award for this work. He has published over 80 peer reviewed manuscripts and is regularly invited as faculty to speak at scientific congresses. Since his appointment he has been accepted into the SCAI Emerging Leader Mentorship (SCAI-ELM) program as one of 12 national and international SCAI-ELM fellows (2013-2015) and is an Elected Member of Early Career Section Leadership Council of the ACC (2018-2021). He is a specialist adviser to MHRA interventional device program, NICE interventional procedures program and the NIHR HTA program. He is an Expert Adviser for

the NICE Centre for Guidelines. He has participated in guideline and position paper publications for the ESC, ACC, AHA and NICE and has recently been appointed as a NICE clinical guideline chair.

Dr Jonathan Weir-McCall (University of Cambridge)

Jonathan Weir-McCall graduated from the University of Aberdeen in 2002. He entered Radiology training in Guy's and St. Thomas' London before moving to the University of Dundee when he was awarded a Clinical Lecturer post there. During his training in Dundee he was awarded a Wellcome Trust Clinical Research Fellowship to examine the role of arterial stiffening in chronic obstructive pulmonary artery disease. After completing his training in Radiology Jonathan undertook a fellowship in Advanced Cardiac Imaging in St Paul's Hospital under the auspices of Jonathon Leipsic. During this time he conducted research examining the benefits of cardiac CT in structural and coronary disease, and the potential for computational fluid dynamics to guide and improve the clinical care of coronary artery disease. He was an author on the most recent SCCT guidelines on the use of CTA in the work-up for TAVR, and has worked on several multicentre studies investigating coronary artery disease including SCOT-HEART and ADVANCE. Jonathan's interests lie in cardiothoracic imaging, particularly in the use of CT and MRI for examining the interactions between arterial disease and cardiac function both within the systemic and the pulmonary circulation.

Dr James Shambrook (Southampton)

Dr James Shambrook is a cardiothoracic Radiologist at University Hospital Southampton NHS Foundation Trust where he specialises in Adult and paediatric cardiac CT and MRI. He is BSCI/SCCT level 3 accredited for cardiac CT, and SCMR/EACVI section CMR level 3 accredited. James currently sits on the BSCI committee, in which he is the educational lead.

Dr Marina Hughes (Royal Papworth)

Marina Hughes' career has focussed on non-invasive cardiac imaging. Her passion and special expertise is Cardiac MRI and CT, for adults and children with congenital heart disease.

After medical school in Western Australia, Marina completed a PhD and trained in clinical paediatrics in Oxford, UK. She then trained in paediatric cardiology and became Echocardiography lead at the Royal Children's Hospital in Melbourne, Australia. After moving to UK in 2006, Marina worked as Clinical Lead for Cardiac MRI at Great Ormond St Hospital in London, helping to build a leading service, scanning more than 1000 paediatric and adult patients with congenital heart disease per year, as well as teaching and researching.

Marina is now the Clinical Lead for Adult Congenital Heart Disease at the Royal Papworth Hospital, where she is supporting an advanced imaging service for patients with congenital heart disease.

Dr Andrew Grace (Royal Papworth)

Andrew Grace is Consultant Cardiologist at Royal Papworth Hospital and Research Group Head in the University of Cambridge. He has a large clinical practice and an established international reputation for research in cardiac arrhythmia. He trained in Cardiology in both Cambridge and London and completed his post-doctoral studies as a Fulbright Scholar at UCSD/Salk. He is a recognized innovator having a particular interest in 'disruptive' technologies designed to improve patient care that include specialized catheters, the subcutaneous defibrillator and most recently charge density mapping. He has published extensively and given many invited lectures along with first presentations of both late-breaking basic science and clinical trial data.

Dr Sanjay Prasad (Royal Brompton)

Dr Sanjay Prasad studied at Harvard University in the USA from 1991 to 1993 and at Hospital Cantonal in Geneva in 1994. His areas of expertise include magnetic resonance imaging (MRI), cardiomyopathy (heart muscle disease), heart failure and ischaemic heart disease, which causes reduced blood supply to the heart. One of his research themes is about determining the timing of intervention for patients with aortic stenosis. He is theme lead for advanced heart failure in the cardiovascular BRU. Dr Prasad runs a regular familial screening clinic for cardiomyopathy at Royal Brompton Hospital.

Dr Prasad gives regular talks on the role of cardiac MRI in the evaluation of patients with heart-failure. He has also given presentations on his department's research into the use of MRI in cardiomyopathy and heart failure. Dr Prasad has hosted international meetings on Advances in Cardiac MRI at the National Heart and Lung Institute (NHLI) with Professor Pennell. He also teaches overseas MSc students at both Imperial College and the NHLI.

He is a member of the International Myocarditis Consensus Panel and sits on the Fulbright Selection Committee. As well as contributing chapters on MRI in heart failure in several books, Dr Prasad is on the editorial board for the Journal of Cardiovascular Magnetic Resonance.

Dr John Dreisbach (Golden Jubilee)

John graduated from the University of Aberdeen in 2010 and completed specialty training in Clinical Radiology in Glasgow in 2017 before undertaking a post-CCT fellowship in

Cardiac Imaging at the University of Toronto. He recently started as a Consultant at the Golden Jubilee National Hospital in Scotland in 2018, with a special interest in cardiac CT and MR and closely involved with several regional and national services including adult congenital cardiac disease, advanced heart failure, cardiac transplantation, and the largest volume PCI centre in the UK. He first became involved with the BSCI/BSCCT as a Registrar and served as a member of the trainee committee. He has interests in research and education with enthusiasm for collaborative working between Radiology and Cardiology.

Dr Lynne Williams (Royal Papworth)

Dr Williams is a Consultant Cardiologist in Advanced Echocardiography and Inherited Cardiac Conditions at Royal Papworth Hospital. She is the lead of the Specialist Hypertrophic Cardiomyopathy Service, and works as part of a multidisciplinary team involved in the management of patients with cardiac sarcoidosis, Adult Congenital Heart Disease, and neuromuscular disorders. She previously held the position of E.D.Wigle Fellow in Hypertrophic Cardiomyopathy Research at the Toronto General Hospital in Toronto, Canada. During this period her fellowship involved training in Hypertrophic Cardiomyopathy, Advanced Echocardiography, and Adult Congenital Heart Disease.

Dr Mark Hamilton (Bristol)

Mark Hamilton has been a Consultant Cardiac Radiologist at the University Hospitals Bristol since 2005. He practices cradle to grave imaging in congenital and acquired heart disease in CT and MRI. He has previously undertaken Fellowships in Cardiac Radiology/Congenital Heart Disease, Green Lane Cardiovascular Services, Auckland, New Zealand from 2003-2005 and in Cardiac Radiology, Glenfield Hospital, Leicester from 2002-2003. His Radiology training was undertaken in Sheffield between 1997-2002 achieving his FRCR in 2000 and MRCP in 1995.

Mark has been an elected member of British Society of Cardiovascular Imaging for 8 years and served as secretary for 3 years. He has been an elected member of Royal College of Radiologist's Professional Standards and Support Board for 3 years and was recently elected to the Royal College of Radiologist's Faculty Board

Mark works full time in a clinical post but has a research interest with 61 peer reviewed Pubmed recognised publications.