

Winter 2018

Welcome to the
Winter 2018
BSCI / BSCCT
newsletter

Dates for your diary

SCCT Winter Meeting
24-25th January 2019
Dublin

BSCI/BSCCT Annual
Spring Meeting
16th and 17th May 2019
Cambridge

BCS Meeting
6th to 8th June 2019
Manchester

Contact us



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Dear Colleagues,

Happy New Year! I hope that after a busy autumn that you all had an enjoyable festive break and are both refreshed and prepared for the year ahead.

IDoR - The International Day of Radiology brought us some welcome attention and I am particularly grateful to the Trainee committee who worked hard to increase our online presence. We got some media attention for the scandalous under-provision of coronary CTA in the UK via the RCR media officer (thanks Emma). As part of this those of you in Scotland might have had the misfortune to see me pop on the 10'o'clock news getting this message out there, although I think I actually did a better live radio interview on Good Morning Scotland that day (my wife says I have a better face for radio...).

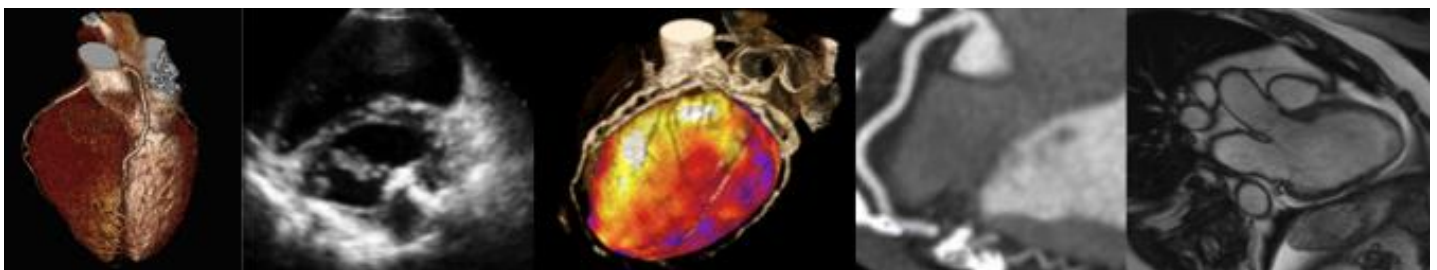
Research - We now have a great team with Matthias Schmitt and Michelle Williams heading up the Society's involvement in research and

they are working on a strategy to dovetail with the BHF national cardiovascular clinical research network. **Accreditation** - The new accreditation system being managed by Jim Stirrup seems to be bedding in well, let us know of any issues or suggestions you have.

RCR Voting - For our radiology members could I ask you to strongly consider supporting Stephen Harden our President before last as he is standing for the post of Medical director for Education and Training in the Faculty of Clinical Radiology in the RCR. The vote is at the end of the month - I am sure it would help further embed cardiovascular radiology within the College's core remit.

Thanks for your support for the Society's work, please let us know if you think there are important issues that we are not already addressing.

Dr Giles Roditi.
President, BSCI/BSCCT



FUTURE MEETINGS

You will be aware of the imminent SCCT Winter Meeting being held in Dublin January 24-25 (with Pre-courses January 20-23 (<https://scct.org/page/WinterMeetings>)).

Our annual Spring Meeting will be in Cambridge on the 16th and 17th May (<http://bsci.org.uk/meetings-and-courses/meetings>) when the presidency will pass over to Russell Bull. Bobby Agrawal has been putting together a great program and there are a couple of innovations to the format - a preliminary program will be available shortly. We will of course have an evening dinner event; provisionally this has been arranged at **Browns** restaurant, this will be as usual free to those who register in a timely fashion prior to 1st May, speaking of which thanks to our generous sponsors we are aiming to keep the meeting fees unchanged despite increasing costs. In addition to highlighting the latest developments in cardiovascular imaging, there will once again be the opportunity to join the BSCI running club and 'stretch your legs' with an early morning run along the 'Backs' – pack your trainers if you don't want to miss out! Rest assured - there weren't any hills there last time I checked.

Later in 2019 we will as usual be involved with both the BCS annual meeting and RCR later in 2019.



Image of the Month

This feature goes from strength to strength. **Dr. Alexia Farrugia** has continued to collate this series of unusual diagnoses stemming from common presentations and **Dr. Hunain Shiwani** has prepared a 'best of annual' for members to keep their little grey cells ticking over during the cold winter months.



This month: **De-roofed coronary sinus with left-sided SVC and additional 2nd ASD in young man presenting with atrial flutter and wide split S2.** Drs Jamie Kitt, Andrew Kelion and Elizabeth Orchard Department of Cardiology, Oxford Heart Centre, John Radcliffe Hospital, Oxford, United Kingdom Discussion of the images and diagnosis can be found at the BSCI website – [Image of the Month](#) Submit your case to imageofthemonth@bsci.org.uk

Recent Educational Meetings

The Level 1 Cardiac CT course held at the Spire Manchester Hospital on Monday 5th to Wednesday 7th November 2018 was a great success. With over 30 delegates from a range of disciplines the 3 day course covered the breadth of the Level 1 Cardiac CT curriculum. The course featured lectures and demonstration of cases by experts on workstations suitable for level 1 accreditation. The course faculty included Dr James Shambrook, Dr Ed Nicol, Dr Matthias Schmitt, Dr Timothy Fairbairn, Dr Elly Castellano and Dr Michelle Williams. The course provides 22 CPD credits in accordance with the CPD scheme of the RCR and RCP.



Recent Interesting Papers in Cardiovascular Imaging

1. **Coronary CT Angiography and 5-Year Risk of Myocardial Infarction. The SCOT-HEART investigators.** NEJM 2018;379:924-933. 5 year follow-up of the SCOT-HEART trial showing that routine CTA significantly reduces MI and mortality compared with standard care
2. Real-world clinical utility and impact on clinical decision-making of coronary computed tomography angiography-derived fractional flow reserve: **lessons from the ADVANCE Registry.** Fairbairn TA, Nieman K, Akasaka T. EHJ 2018;39:3701-11. In an international multicentre registry of >5,000 patients, FFR_{ct} modified treatment recommendation in two-thirds of subjects as compared to CCTA alone, was associated with less negative ICA, predicted revascularization, and identified subjects at low risk of adverse events at 90 days.
3. Cardiovascular Magnetic Resonance in **Nonischemic Myocardial Inflammation, Expert recommendations.** JACC 2018;72: Early gadolinium enhancement is out, T2 mapping is in this revision of the 2009 Lake-Louise criteria for the diagnosis of myocarditis.
4. Selective Referral Using **CCTA Versus Direct Referral for Individuals Referred to Invasive Coronary Angiography for Suspected CAD: A Randomized, Controlled, Open-Label Trial.** JACC Imaging 2018 (epub ahead of print) Even in high risk patients, CCTA could successfully defer ICA without adverse events in this RCT of 823 participants

If you have a paper recommendation to include in the next section of the newsletter please email bscitraineecommittee@bsci.org.uk

Other news

INTERNATIONAL DAY OF RADIOLOGY

8th November 2018 was the 7th International Day of Radiology (IDOR). On this same day in 1895, Wilhem Conrad Röntgen discovered the existence of x-rays, an achievement for which he would earn the 1st Nobel Prize in Physics in 1901. This year's theme for the IDOR was Cardiac imaging. The BSCI/BSCCT used this as an opportunity to share with the public the outstanding clinical care delivered by cardiovascular imagers and radiographers across the country.

Many media outlets picked up on the key issue which the BSCI/BSCCT has been highlighting over the past year – namely the shortfall in cardiac CT provision across all four nations of the UK. The headline message from the Royal College of Radiologists was 'at least 56,000 angina patients across the UK missed out on life-saving heart scans last year'. Based on current levels of activity, there is at least a 37% shortfall in England with greater 70% shortfall in Scotland and Wales and this lack of capacity is associated with waiting times of up to 6 months in some centres

CT TAVI COLLABORATIVE

Dr. Iwan Harris has played a key role in coordinating the CT TAVI collaborative and the results of the pilot survey from UK centres is due to be presented at the SCCT 2019 meeting. This will help inform national standards and guidelines in the growing field of structural cardiac imaging. We thank those of you who took the time to complete the trainee committee-led BSCI/BSCCT CT TAVI survey detailing all aspects of CT TAVI acquisition, reporting and MDT. Interim analysis from 36 UK centres throughout Great Britain and Ireland showed wide variation in practice with the vast majority of TAVI patients undergoing CT pre-operatively, but only 6 centres reporting high volume (>200 scans per year). It was interesting to note that at the majority of centres (57%), both cardiologists and radiologist are responsible for CT TAVI reporting. Beta blockers were administered by 20% of centres and surgical centres trended towards using lower contrast volumes (98±27 vs. 118±42ml, p=0.06), compared to non-surgical centres, though the difference was not statistically significant. Those of you who have not yet completed the survey are invited to do so using the following link:

<https://www.surveymonkey.co.uk/r/F8RMRXH>. We would be particularly interested to hear from registered TAVI centres not yet captured by the survey, including Newcastle, King's, Nottingham, Leeds, Blackpool, Leicester, Middlesbrough and Swansea and look forward to distributing the final results.

PODCASTS

The BSCI/BSCCT podcast is organised by the trainee committee and provides interviews and discussions about cardiovascular imaging. Recent interviews include **Dr Giles Roditi, Dr James Shambrook, Dr Rachel Forsyth and Dr Raj Burgul** with conversations on a wide range of topics from novel cardiovascular imaging modalities (PET-CT angiography) to how to deliver a CVI programme in a district general hospital. This is a **potential new method for members to obtain CPD** and also an opportunity to reach out to members to find out how they want the society to develop, as we are looking to keep the conversation 'fresh' and relevant. If you want your voice to be heard, **contact Lindsey Norton to discuss. [iTunes link](#) [Soundcloud link](#) [Acast link](#) [Stitcher link](#)**

Trainee committee update Dr Alastair Moss Chair BSCI/BSCCT Trainee Committee Dec 2018

It has been another busy year for the trainee committee. Several of our members successfully taken up positions as consultants with a special 'shout-out' to **Dr. Katharine Vedwan** who has provided leadership and support to the trainee committee's endeavours over the past year. She will be joining an established team of 'BSCI greats' at the University Hospital Southampton and we wish her every success in her new consultant post! **Dr. Jonathan Weir-McCall** will be stepping into Katharine's shoes as the new co-chair of the trainee committee and will be helping with the preparations for the annual spring meeting 2019 alongside **Dr. Jason Tarkin**, both of whom are pursuing academic cardiovascular imaging careers in Cambridge. **Dr. Michelle Williams** and **Dr. Mhairi Doris**, they have been keeping members abreast of the key messages in cardiovascular imaging via our social media twitter account (@BSCIImaging) which now has over 950 followers! **Dr. Lindsey Norton** has launched our new BSCI Podcast channel, interviewing key players in the cardiovascular imaging community including our very own **Miss. Rachael Forsythe** who won this year's Young Investigator Award. There will be more to come on this front, including 'videocasts' from **Dr. Jamie Kitt** with the first by **Dr Andrew Kelion's**. Of particular relevance to trainees is the lack of in-house training offered to trainees interested in cardiovascular imaging. Even as the expertise continues to grow across the UK, education will remain a key priority for 2019. The recent Level 1 cardiac CT course in Manchester laid the foundations for building a new national workforce of cardiovascular imagers with new online education modules on the horizon, podcasts and social media debating the strengths and pitfalls of the latest cardiovascular research, the trainee committee will ensure that cardiologists and radiologists are equipped with the necessary knowledge to excel in this subspecialty.

Website

The website has undergone a facelift thanks to the input from **Dr. Michelle Williams** who is also leading the research subcommittee. Work with our web designer and our move to the new platform is nearly complete and I hope to have the new website running before the end of January with the new look. The next piece of work will be to integrate a learning management system and host online lectures, we are investigating Moodle for this - if any of you have expertise in this area please let us know.

Standards sub-committee Dr Gareth Morgan-Hughes

Update on progress in the audit on invasive downstream testing after CTCA following NICE CG95

'Several centres have joined Plymouth in storing data for the first national audit of down-stream testing after CTCA. In excess of 2,000 patient's data has been recorded with the initial data collection set to continue until the Spring meeting. It already looks as though the findings will be of interest to all cardiologists and cardiac radiologists.'

Research sub-committee Michelle Williams

The research sub-committee aims to:

- keep members up to date with important research via the website and newsletter
- promote recruitment in multi-centre research in cardiovascular imaging
- generate novel research within the society. To this end we aim to develop registry data on cardiac CT.

We welcome suggestions of research, audit and quality improvement projects. If these ideas are taken forward the members would be involved and acknowledged. Contact research@bsci.org.uk to be involved.

BSCI / BSCCT Committee Members



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Past president



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Member



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Dr Matthias Schmitt
Co- Lead for research



Dr Francesca Pugliese
Lead for international liaison
International_liaison@bsci.org.uk



Dr James Shambrook
Secretary



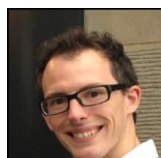
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Co-opted committee member



Dr Michelle Williams
Co-Lead for Research
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Dr Jim Stirrup
Accreditation



Dr Jonathan Weir-McCall
Radiology trainee Rep to the
Executive committee



Dr Bobby Agrawal
Accreditation

TRAINEE COMMITTEE

Dr Alastair Moss (Chair Cardiology), Dr Jonathan Weir-McCall (Co-chair Radiology), Dr Michelle Williams, Dr Alexia Farrugia, Dr Iwan Harries, Dr Jason Tarkin, Dr Rachael Forsythe, Dr Mhairi Doris, Dr. Amanda Hunter, Dr. Hunain Shiwani, Dr. Lindsey Norton, Dr. Emily Evans, Dr. Shirjel Alam and Dr Jamie Kitt (Newsletter Editor)