



## Education Committee Report

Co-Chairs from Dec 2019: Dan Augustine & Shaun Robinson

### Structure

A full list of current Ed Committee Members is shown in Appendix 1.  
2-year term which can be extended every 2 years depending on contribution to committee (to be decided by outgoing and incoming chairs).

### Sub Committees

Sub-committee leads may invite non-committee members to assist with projects.  
Dan Augustine and Shaun Robinson will on all subcommittees. Listed below are the other members of each subcommittee.

**GUIDELINES:** Liam Ring / Allan Harkness

**ANNUAL CONFERENCE AND MAJOR MEETINGS:** Dan Augustine / Shaun Robinson

**DLM / E-LEARNING:** Katherine Collins & Waheed Aktar (Co leads) / Jo Sopala (James Willis, Natasha Andrews, Andy Fletcher, Riaan Nieuwoudt, Joe Walukiewicz, Gaynor Jones) as part of non-committee working group)

**RESEARCH AND AUDIT:** Maria Paton & Dave Oxborough (Co leads) / Martin Stout / Sanjeev Bhattacharyya / Rick Steeds and Elliot Smith (as part of non-committee working group)

**BSE BHF CRC:** Rick Steeds (Lead); Shaun Robinson; Dave Oxborough

**APPS:** Allan Harkness

**REGIONAL MEETINGS:** Cheryl Oxley

**INDUSTRY:** Claire Ward Jones

### Output for 2020 – 2021

Below we will summarise the planned output for each sub committee

#### GUIDELINES:

1. BSE Normal reference intervals: Published Feb 2020 - **completed**
2. BSE Right heart practical guide: Published Feb 2020 - **completed**
3. BSE Min dataset – **submitted July 2020**
4. BSE Diastolic function - **submitted July 2020**
5. BSE HCM - **submitted July 2020**
6. BSE – BCOS Cardio oncology – **submitted August 2020**
7. BSE Aortic Valve Guideline (guest author: Christoph Tribouilly) – **submitted August 2020**
8. Mitral Valve Guideline (guest author: Patrizio Lancellotti) - **submitted August 2020**
9. Tricuspid and Pulmonary Valve Guideline (guest author: Luigi Badano) – **submitted August 2020**



## Posters:

1. Normal values chamber poster - **Completed and distributed**
2. Normal diastolic function poster – plan for completion and distribution by April 2021
3. Valve poster - plan for completion and distribution by April 2021

## ANNUAL CONFERENCE AND MAJOR MEETINGS:

1. **Annual conference:** Significant impact due to COVID and complete reorganisation to allow a virtual conference.
2. **Exam prep** twice Year. September / Feb: plan for virtual presentations, uploaded to DLM platform. Agenda completed (see appendix 2)
3. **ICE March 2020:** Completed.
4. **BSE COVID-19 Webinar** – May 2020

## Cancelled due to COVID-19

1. **Advanced Imaging.** April 2020
2. **BSE session at BCS conference.** June 2020
3. **Regional meetings**
  - a. Newcastle 16.3.2020
  - b. North Staffordshire Med Institute 3.7.2020
  - c. RUH Bath 11.9.2020

## REGIONAL MEETINGS:

Wales: Princess of Wales Hospital 24.11.2020

## LEVEL 1 Education Material:

COVID-19 has raised the profile and importance of Level 1 scans in order to reduce scan time. Richard Fisher has created excellent Level 1 YouTube videos. These are BSE branded and published on BSE YouTube channel and linked via website

## DLM / E-LEARNING:

New e-platform: aim for launch by end of August with the following DLMs planned between August 2020 – Feb 2021:

- Normal intervals
- Right Heart DLM
- Pulmonary Hypertension DLM
- Level 1

For future publications DLM group will work alongside writing group following first peer review.

## RESEARCH AND AUDIT:



# British Society of Echocardiography

The BSE National Stress Echo review of Practice (BSE N-STEP). A national DSE audit and collaboration with the EVAREST study. See Prof Paul Leeson document circulated.

EVAREST: see Appendix 3 for proposal

- Launch September/ October 2020 of project.
- Monthly working group meetings: Next 22.07.2020
- Anticipated recruitment 15000 patients

## COVID Surveys

BSE COVID Echo service survey

1. Good response. Dave Oxborough to present at BSE conference

EACVI COVID survey

2. BSE / UK had highest response
3. UK data to be presented at BSE conference

July 2020: BSE BHF CRC

Working group: Rick Steeds (lead), Shaun Robinson and Dave Oxborough. in progress

## **APPS:**

Android APP complete. Being tested currently.

## **INDUSTRY MEETINGS:**

2 industry meetings in 2020 allowing discussions between the education committee and industry reps to try to improve collaborations and education for the future



## Appendix 1: Education Committee members 2020

Mr	Waheed	Akhtar	DLM / e-learning co lead
Dr	Daniel	Augustine	Co Chair Ed Committee
Dr	Radwa	Bedair	Congenital
Dr	Sanjeev	Bhattacharyya	Research and audit
Ms	Katherine	Collins	DLM / e-learning co lead
Dr	Richard	Fisher	Level 1
Dr	Allan	Harkness	Guidelines and APPs
Miss	Evie	Greenhaugh	STP rep
Ms	Nicky	Kaye	(Maternity leave)
Dr	David	Oxborough	Research and audit co lead
Ms	Cheryl	Oxley	Regional Meetings
Ms	Maria	Paton	Research and audit co lead
Dr	Liam	Ring	Guidelines
Mr	Shaun	Robinson	Co Chair Ed Committee
Ms	Julie	Sandoval	Exam Prep
Dr	Rebecca	Schofield	Multi modality imaging
Dr	Anjana	Siva	ICE
Dr	Rick	Steeds	Research BHF
Ms	Claire	Ward-Jones	Industry Rep



## Appendix 2: Exam Prep

5mins	Welcome and Introduction	Julie Sandoval
40mins	Physics (1)	Shaun Robinson
25mins	LV: anatomy, physiology (systolic function)	Maria Paton
25mins	LV: anatomy, physiology (diastolic function)	Dave Oxborough
25mins	Mitral Valve: mitral regurgitation	Bushra Rana
25mins	Mitral Valve: mitral stenosis	Shaun Robinson
30mins	Cardiac Masses	Rick Steeds
25mins	Aortic Valve: Stenosis	Liam Ring
25mins	Aortic Valve: Regurgitation	Kelly Victor
30min	Congenital Heart Disease 1	Jan Forster
30min	Congenital Heart Disease 2	Radwa Bedair
40mins	Physics (2)	Martin Stout
40mins	Right Heart	Abbas Zaidi
25mins	Cardiomyopathies: HCM	Will Bradlow
25mins	Cardiomyopathies: DCM	Kate Gatenby
25mins	Cardiomyopathies: Restrictive	Dan Knight
40mins	IE	(JS)
30mins	Pericardial disease	Liam Ring
40mins	Disease of Ao	Julie Sandoval Claire Colebourn (or 2 speakers: CC to decide)
45mins	Log book & Practical assessment	



## British Society of Echocardiography National Stress Echocardiography review of Practice (BSE N-STEP)

**Proposal:** To establish a national clinical data resource of patients undergoing stress echocardiography in the UK

**Introduction:** Stress echocardiography is the most widely used functional imaging test for ischaemic heart disease in the UK and increasingly advised within clinical guidelines for evaluation of different forms of structural heart disease. Stress echocardiography is reliant on expertise of the operator and interpreting clinician who is required to undergo recognised training to achieve competence. Understanding how stress echocardiography is being delivered in real world clinical practice in the UK is important to determine the effectiveness of training programmes, the impact on patient care and outcome of using stress echocardiography as a primary investigation, as well as ongoing cost to the NHS. Over 5 years the EVAREST research programme has built up a 31 hospital network who contribute to academic stress echocardiography innovation projects. As a result we have built a database with clinical reports linked to echo scans for 8000 patients across the UK. This study is now moving to an observational phase, creating an opportunity to establish a national data resource.

**Aims:** To assess nationally, regionally and at a hospital level over a 2 year time frame: 1. Characteristics of patients undergoing stress echo 2. Proportion of stress echo performed for ischaemia and structural disease 3. Types of protocols used including stressor and contrast 4. Outcomes of patients 5. Health resource cost following stress echo

**Methods:** - Formal collaboration between the British Society of Echocardiography and the Cardiovascular Clinical Research Facility at the University of Oxford - Study resource built as part of Phase 3 of the EVAREST stress echo research project. - 31 hospitals across 28 NHS Trusts within the network with additional sites recruited as required to maintain a representative cross section of UK - Patient informed consent for participation - Electronic data capture using existing Castor EDC architecture and on-line data entry forms to be completed by individual sites - Follow up centrally via NHS Digital. All forms of stress echocardiography included.

**Target Sample Size:** - 15,000 participants over 2 years

**Outputs:** - Annual report on stress echocardiography performance within the NHS - Data resource for academic, guideline and healthcare analysis - Research network of echocardiography active hospitals and investigators

**Project oversight committee:** Paul Leeson, Elena Benedetto (CCRF, University of Oxford), Daniel Augustine, David Oxborough, Maria Paton, Shaun Robinson (British Society of Echocardiography).