

Hands-on stress echo and real time online case reporting

Thursday 26 September 2024

(Session held onsite)

9:30 Welcome and registration

(Tea/coffee and pastries provided)

9:45 The role of stress echo

- Guideline and literature overview
- Indications

10:30 Different stress echo modalities and protocols

- Modalities
 - o Brief overview of each modality
- Choosing a modality
- Different protocols for each modality
- General and specific contraindications
- Common complications and how to respond

11:15 The role of ultrasound contrast in stress echocardiography

- Indications
 - o Brief overview of the guidelines
 - o Contraindications and safety
- Bubble physics
- Ultrasound physics – contrast specific imaging
- Preparation and administration of contrast
- Image optimisation

12:00 BSE stress echo accreditation

- Process
- Video cases - 5 case examples
- Logbook – Minimum data set with examples of reports for each modality

12:45 Lunch - Provided



13:30 Interpretation of images

Common traps

- Foreshortening
- Basal inferoseptum/inferior segments
- Breathing artefact
- Hypertension
- High heart rates
- Intracavity gradients
- Ectopi
- LBBB
- Wall motion versus wall thickening
- Papillary muscles/rib artefacts
- Contrast attenuation

14:15 Introduction to practical stress echocardiography

- Overview of pre-sets and protocols – GE and Philips
- Patient preparation
- How to acquire good quality images

15:00 [Close](#)

Friday 27 September 2024

(Onsite and remote case study session)

09:00 Live case 1 and case study review session 1

Group 1 - Live case - Treadmill exercise stress echocardiogram with contrast

Group 2 - Case study review and report (cases 1-10)

Remote online access in real time (hybrid)

10:00 Live case 1 and case study review session 1 continued

Group 1 - Case study review and report (cases 1-10)

Remote online access in real time (hybrid)

Group 2 - Live case - Treadmill exercise stress echocardiogram with contrast

11:00 Break – Beverages provided

11:15 Live case 2 and case study review session 2

Group 1 - Live case - Dobutamine stress echocardiogram with contrast

Group 2 – Case study review and report (cases 10-20)

Remote online access in real time (hybrid)

12:15 Live case 2 and case study review session 2 continued

Group 1 – Case study review and report (cases 10-20)

Remote online access in real time (hybrid)

Group 2 – Live case – Dobutamine stress echocardiogram with contrast

13:15 Lunch - Provided

14:00 Review of case studies by expert reader (Prof Roxy Senior)

Interpretation session reviewing case studies 1-20 with interactive discussion

16:00 Close

