

Masterclass series

Cardiovascular Magnetic Resonance Imaging for Ischaemic Heart Disease

Sponsored by Heart Research UK

Date:	Thursday 7 and Friday 8 November 2019
Venue:	Advanced Imaging Centre, Leeds Teaching Hospitals NHS Trust
Faculty:	Professor John P Greenwood Professor Sven Plein Dr Erica Dall'Armellina Dr Eylem Levelt Dr Peter Swoboda Dr Louise Brown Mr David Shelley Dr David Higgins

Dinner and accommodation: To be confirmed

This course is offered by national charity, Heart Research UK, to consultants and senior trainees, and places are limited. The course is free of charge and includes registration, dinner and accommodation.

Course objectives

The evidence base for the clinical use of Cardiovascular Magnetic Resonance (CMR) continues to expand. Stress perfusion CMR for ischaemia detection combined with cine and late gadolinium enhanced CMR for functional and scar imaging has emerged as an accurate diagnostic and prognostic tool. With large scale clinical trials such as CE-MARC, CE-MARC2 and MR-INFORM, CMR is now a mainstream clinical investigation for IHD detection, with a Class IA recommendation in the current ESC guidelines.

Although CMR has become much more widely available in the UK, training opportunities for clinicians (cardiologists, radiologists and technologists) still remain limited according to a 2019 survey by the British Junior Cardiologist Association. With this in mind, and in collaboration with Heart Research UK, we have designed a ‘Masterclass in CMR’ that will focus on the diagnosis and management of patients with IHD. The course will be unique, offering practical hands-on scanning experience for all delegates, CMR live cases, and clinical reporting provided by a faculty of international experts in CMR.

This highly practical course is best suited to those with experience of CMR already; i.e. cardiologists/radiologists either doing advanced imaging sub-speciality training or those consultants who already have a CMR service but are not currently performing stress perfusion CMR.

Programme

Thursday 7 November 2019	
10:30	Welcome and introduction
10:45	Summary of MR screening and safety procedures Questions
11:00	Overview of CMR methods in IHD (function, perfusion, LGE, coronaries) Questions
11:30	IHD imaging protocols – stable and unstable coronary syndromes Questions
12:00	Dobutamine/Adenosine/Regadenoson stress CMR: which to perform when? Questions
12:30	Lunch
13:15	Evidence, guidelines and indications for CMR in Stable IHD Questions
13:45	Evidence, guidelines and indications for CMR in ACS/STEMI Questions
14:15	Live case 1: Ischaemia/function/scar/coros assessment in SIHD (3xscanners) Questions
15:15	Coffee break
15:45	Live case 2: Ischaemia/function/scar/coros assessment in SIHD (3xscanners)
16:45	Group ‘break-out’ - Session 1 (2 stations, each for 30min) 1. Hands-on scanning 2. Post-processing 3. Clinical reporting 4. CMR Physics
17:45	Return to AIC and meeting close
19:30	Course dinner: venue to be confirmed

Friday 8 November 2019

09:00	Welcome & review of the previous day
09:10	3D/high resolution perfusion imaging
09:30	LGE methods – 2D/3D, dark blood, free breathing nav/MOCO
09:50	Perfusion quantitation – methods and evidence
10:10	Additional applications in ACS/MINOCA
10:30	Rapid scanning
10:50	Panel discussion/questions (covering issues from 5 preceding talks)
11:05	Coffee break
11:30	Live case 3: Stable/acute IHD (3 scanners)
12:30	Lunch
13:15	Group 'break-out' - Session 2 (other two 2 stations, each for 30min) 1. Hands-on scanning 2. Post processing 3. Clinical reporting 4. CMR Physics
14:15	Anatomical vs functional imaging: which test when? Panel discussion and Q&A
15:10	Coffee break
15:30	Live case 4: Stable/acute IHD (3 scanners)
16:30	Final discussion & meeting close

For further details and booking see heartresearch.org.uk or contact:

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