

## CMR – Theory and Practical Applications for Radiographers

South Wing Lecture Theatre, South Wing, St Thomas' Hospital, London, SE1 7EH.

**Aim:** The aim of this study day is to help technicians and clinicians improve their existing knowledge and technique with regards to CMR. It is aimed mainly at those who are either new to the CMR technique or have had some experience within this field but would like to further improve upon their existing skills and understanding of CMR.

### Wednesday 4<sup>th</sup> December 2024 – Programme

Time	Session
8.45 - 9:00	Registration/Breakfast
9:00 – 9:15	Welcome and Introduction to CMR
9:15 – 10:00	Clinical Value of CMR
10:00 – 10:30	MR Safety/CMR Physics
10:30 – 10:45	Tea/Coffee
10:45 – 11:30	'How to' / 'Principles of': Basic CMR - Anatomy - Patient prep - Pulse sequences - Retrospective gating, Prospective gating, Realtime
11:30 – 12:00	Aortogram, Flows
12:00 – 12:30	Perfusion Scanning
12:30 – 13:00	T1/T2 maps and ECV
13:00 – 14:00	Lunch
14:00 – 14:45	Late Gad enhancement

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Time	Session
14:45 – 15:45	<b>The 'difficult patient' vs the 'difficult scanner'</b> -ECG gating vs Ectopics -Breathholding -Scanner Artefacts -Flow artefacts
15:45 – 17:00	<b>Scanner visits</b> <b>'Hands on scanning'</b>
17:00 – 18:00	<b>Post Processing</b>
18:00	<b>End of day 1</b>

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### Thursday 5<sup>th</sup> December 2024 – Programme

Time	Session
8.45 - 9:00	Breakfast
9:00 – 9:15	Welcome
9:15 – 10:00	Setting up a CMR Service
10:00 – 10:45	Device Scanning: Where to Start
10:45 – 11:00	Device scanning: case studies and tips and tricks
11:00 – 11:15	Tea/Coffee
11:15 – 11:45	Congenital scanning and case studies
11:45 – 12:15	4D Flow
12:15 – 12:45	Tumor Scanning
12:45 – 13:45	Lunch
13:45 – 14:30	Common cardiomyopathies -ARVC -HCM -DCM
14:30 – 15:00	Advance MRI 7T/Free.Max
15:00 – 16:00	Live Scanning
16:00 – 16:45	Post-processing -Complex cases
16:45 – 17:00	End of course

Organisers reserve the right to make changes to the programme.

Last Updated: 20/8/2024