

Course outline

An introduction to cardiac MRI

The two-day CMR course is designed to provide introductory knowledge in cardiac MRI. The course will include a mixture of case studies and lectures on the indications, methods and practical applications of cardiac MRI. There will also be an opportunity to observe cardiac MRI acquisition live at a scanner and an introduction to the CMR workstation.

Date: Friday 31 March - Saturday 1 April 2023
Venue: Venue: Crowne Plaza Surfers Paradise
2807 Gold Coast Highway, Surfers Paradise,
Qld 4217, Australia
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Preliminary agenda

Day 1 (31 March, 2023)

09.00-09.30: Introduction to cardiac MRI in practice: cardiovascular structures, anatomy, and imaging planes

09.30-10.15: Easy MRI physics MRI physics made (relatively) easy; including artefacts and arrhythmia

10.15-11.00: MRI safety: magnetic fields, contrast agents, implanted devices, and contraindications

11.00-11.15 Break

11.15 – 12.00: MRI for structure and function CMR for left and right ventricular structure and function.

12.00 – 12.45: Aortic disease and valvular heart disease CMR for aortic, vascular and valvular disease.

12.45-13.30 Lunch

13.30-14.15: Ischaemic Heart Disease - myocardial infarction, scar, and viability assessment

14.45-15.15: Minoca Troponin positive chest pain (MINOCA) including myocarditis

15:15-15:45 Perfusion stress / rest perfusion and coronary arteries with cardiac MRI

15:45-16:00 Break

16:00-16:30: ARVD CMR for right ventricular cardiomyopathy - fat and function

16:30-17:15: Amyloid & Hypertrophic Cardiomyopathy CMR for increased LV wall thickness, including hypertrophic cardiomyopathy and amyloid

17:15-17:30: Dilated Cardiomyopathy CMR for DCM and interesting cases

Day 2 (1 April, 2023)

09.00-15.00: ISP Cardiac Analysis Workstation and Live Scanning



Scan to register a seat