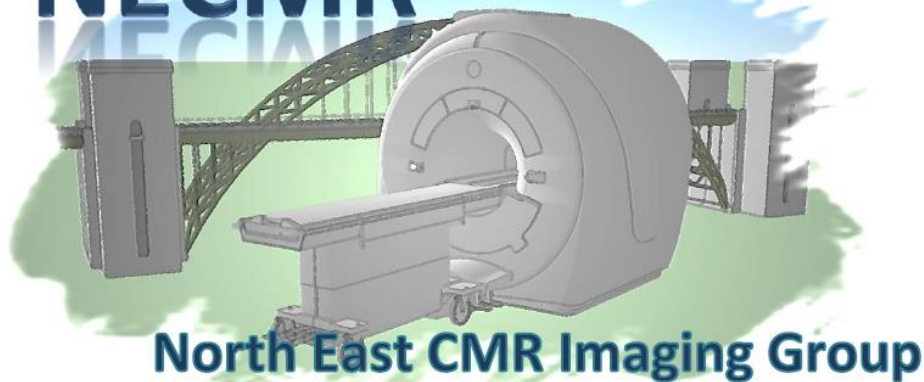


NECMR



Core Competency in Cardiac MRI 2021.

A two-day course undertaken online with access to state-of-the-art software at home, with 50 cases to review. This course will allow participants to acquire essential skills in cardiac MRI, aligned with the national curricula for radiology and cardiology. The course provides appropriate content to cover the minimum dataset for EACVI level 1 training.

Date: Thursday 17th and Friday 18th June 2021

Virtual Course run on Microsoft Teams with individual participant personal access to Circle CVI's state of the art CMR software, CMR 42.

Industrial Support:
We are grateful to Circle CVI for support of this course



PROGRAMME: Thursday 17th June 2021:

08:45 am - 09:00am Online Welcome and course orientation.

Session 1: Physics, Safety, Sequences, and Left ventricular Cardiomyopathies			
Time		Microsoft Teams	Faculty
09:00 – 09:30	Lecture 1: Physics and CMR safety. Extra cardiac structures and cardiothoracic anatomy. Basic sequences to assess LVEF.	General	Alison Lee
09:30-10:15	Case presentation: Case study 1 including orientation around software	General	James Dundas
10:15-10:45	Individual review of cases 1- 4, answering questions in the course materials with support from faculty	Break out rooms 1-4	Alison Lee James Dundas, Chris Wilkinson, Alykhan Bandali
10:45-11:00	Review of cases 1- 4	General	James Dundas
10:45 – 11:00	Coffee break		
11:00 -11:30	Lecture 2: Cardiac MRI in left ventricular cardiomyopathies.	General	Alykhan Bandali
11:35-12:30	Workstations: Cases 5 -10. Analysis of LV cardiomyopathy scans, looking at function, volumetric analysis and aetiologies.	Break out rooms 1-4	Alison Lee James Dundas, Chris Wilkinson Alykhan Bandali
12:30-13:00	Review of scans. Cases 5-10	General	Alison Lee
13:00-13:30	Break for Lunch		
Session 2: Pericardium, Masses, and Right ventricular cardiomyopathies and mimics			
13:30 – 13:50	Lecture 3: Cardiac MRI RV cardiomyopathies, mimics and pericardial disease.	General	Alison Lee
13:50 – 14:30	Case presentation: Case study 2	General	Chris Wilkinson
14:30 – 15:20	Cases 11-16. RV cardiomyopathy, mimics and pericardial cases	Break out rooms 1-4	Alison Lee James Dundas, Chris Wilkinson Alex Brown
15:20-15:40	Review of RV and pericardial disease. Cases 11-16	General	Alison Lee

15:40 – 15:50	Coffee		
15:50-16:20	Lecture 4: CMR for cardiac masses, including cardio-toxicity of oncology agents	General	Alex Brown
16:20–17:00	Cases 17-21. Cardiac masses	Break out rooms 1-4	Alison Lee James Dundas, Chris Wilkinson Alex Brown
17:00-17:30	Review of cardiac Masses 17-21.	General	Alison Lee
17:30 -17:45 Round up, Questions and Close.			

Friday 18th June 2021

08:45-09:00 Welcome

Session 3: Coronary Artery Disease, Ischaemia, and Viability.			
09:00-09:30	Lecture 5: CMR in the assessment of Coronary Artery Disease.	General	Neil Maredia
09:30-10:00	Case presentation: Case study 3	General	Pamela Brown
10:00-11:15	Cases 21-29. Acute oedema, Ischaemia and Viability. Including coffee.	Break out rooms 1-4	Alison Lee Neil Maredia Pamela Brown James Dundas Chris Wilkinson
11:15-12:00	Review of cases 21-29.	General	Alison Lee
12:00 - 12:30	Lunch		
Session 4: Myocarditis, Infiltrative cardiomyopathies, valvular heart disease and aorta.			
12:30-13:00	Lecture 6: Assessment of Valvular Heart disease and aortic pathology on CMR	General	Paul Davison
13:00-13:30	Case presentation: Case study 4	General	James Dundas
13:30-14:30	Cases 30 - 36 Valvular heart disease and aortic pathology. Including coffee.	Breakout rooms 1-4	Paul Davison Alison Lee Chris Wilkinson James Dundas
14:30-15:00	Review of cases 30-36.		Alison Lee
15:00 – 15:20	Lecture 7: Myocarditis and infiltrative cardiomyopathies	General	Alison Lee

15:20 – 16:00	Cases 37-40 Myocarditis and infiltrative cardiomyopathy	Breakout rooms 1-4	Paul Davison Alison Lee Chris Wilkinson James Dundas
16:00-16:20	Review of cases 37-40	General	Alison Lee
16:20 -17:00	QUIZ	General	James Dundas/ Chris Wilkinson

Please note to gain the course certificate participants will have to review an additional 10 cases after the course finishes, and submit answers to questions about these cases to confirm review. 50 case review is the minimum recommendation from the EACVI for level 1 training.

<https://www.escardio.org/Education/Career-Development/Certification/Cardiovascular-Magnetic-Resonance>

Provisional