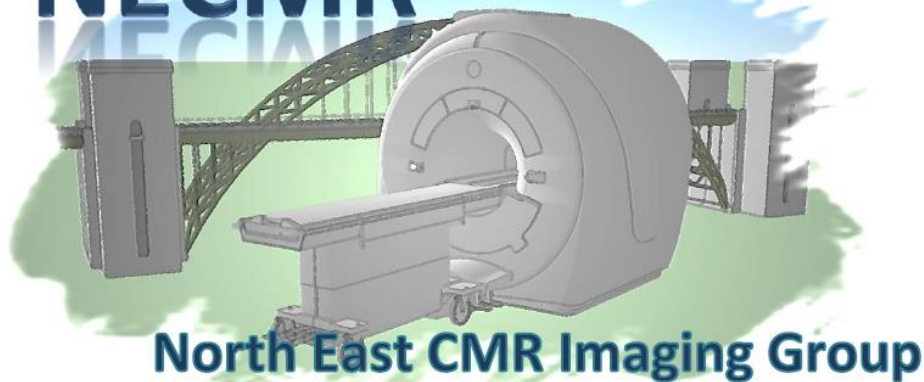


# NECMR



## ***Core Competency in Cardiac MRI 2020.***

A two day course allowing 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.

### **PROGRAMME**

**Date:** Thursday 21<sup>st</sup> to Friday 22nd May 2020

**Venue:** MacLab Suite  
Prospect House,  
Aykley Heads Business Park,  
Durham,  
DH1 5TS

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



# PROGRAMME:

Thursday 21st May 2020:

08:30 am - 09:00am **Registration** - Coffee and biscuits.

Session 1: Physics, Safety, Anatomy and Ventricular function.			
Time		Room	Faculty
09:00- 10:00	<b>Lecture 1:</b> Core Physics 15 min Safety in CMR scanning 10 min Extra cardiac structures and cardiothoracic anatomy.15 min Cardiothoracic anatomy in simple congenital heart disease 20 min Review of cases 1-3	Room 9 &10	Anna Beattie/Alison Lee/ Jenny Crilley
10:00-10:45	<b>Case presentation:</b> Case study 1 including orientation around software	Mac Lab	James Dundas
10:45-11:15	Coffee break		
11:15-11:45	<b>Lecture 2:</b> LV assessment via CMR, aetiology of LVSD, how to undertake an LV and RV analysis.	Room 9 &10	Paul Davison
11:45-12:45	<b>Workstations:</b> Cases 4-10. Analysis of LVSD scans, looking at function, volumetric analysis and aetiologies.	MacLab	Faculty
12:45-13:15	Review of LV function scans. Cases 4-10	MacLab	Paul Davison
13:15-13:45	Lunch room 9&10-Prospect House		
Session 2: CMR in pericardium, masses and RV assessment.			
13:45 - 14:05	<b>Lecture 3:</b> Cardiac MRI in masses and pericardial disease.	Room 9 &10	Alison Lee
14:05 – 14:30	<b>Case presentation:</b> Case study 2	MacLab	Chris Wilkinson
14:30 – 15:15	<b>Workstations:</b> Cases 11-17. Masses and pericardial cases	MacLab	Faculty

15:15-15:45	Review of Masses and pericardial disease. Cases 11-17	MacLab	Alison Lee
15:45 - 16:00	Coffee		
16:00-16:20	<b>Lecture 4:</b> CMR in ARVC and Mimics,	Room 9 &10	Nic Child
16:20-17:00	<b>Workstations:</b> Cases 18-23. ARVC/RV pathology cases.	MacLab	Faculty
17:00-17:30	Review of RV cardiomyopathy cases 18-23.	MacLab	Nic Child
17:30 -17:45	Round up, Questions and Close.		

### 18:30 - 21:30 Course dinner- Included within course fees

*Restaurant to be announced- will be walkable from the venue. Dinner is included in course fees.*

## PROGRAMME:

Friday 22nd May 2020

08:30-08:45 Registration - Coffee and biscuits

Session 3: Coronary Artery Disease, Left Ventricular Hypertrophy and infiltrative cardiomyopathies.			
08:45-09:15	<b>Lecture 5:</b> CMR in Coronary artery Disease.	MacLab	Neil Maredia
09:15-09:45	<b>Case presentation:</b> Case study 3	MacLab	Alex Brown
09:45-10:30	<b>Workstations:</b> Cases 24-29. Acute oedema, Ischaemia and Viability.		Faculty
10:30-11:00	Review of cases 24-29.	MacLab	Neil Maredia
11:00-11:20	Coffee break		
11:20-11:50	<b>Lecture 6:</b> CMR in Left Ventricular Hypertrophy	MacLab	Jenny Crilley

11:50-12:30	<b>Workstations:</b> Cases 30-35, Hypertrophic cardiomyopathy and infiltrative cardiomyopathy cases.	MacLab	Faculty
12:30-13:00	Review of cases 30-35	MacLab	Jenny Crilley
13:00-13:45 Lunch in Room 11-Prospect House			
Session 4: CMR in Valves and aorta			
13:45-14:15	<b>Lecture 7:</b> Assessment of Valvular Heart disease and aortic pathology on CMR	MacLab	Tom Green
14:15-14:45	<b>Case presentation:</b> Case study 4	MacLab	Pamela Brown
14:45-15:30	<b>Workstations:</b> Cases 36-40 Valvular heart disease and aortic pathology.	MacLab	Tom Green
15:30-16:00	Review of cases 36-40.		
16:00-16:20 Coffee			
16:20-17:15	QUIZ	MacLab	Alison Lee
17:15 – 17:30 Round-up, Feedback Questions Certificates of Attendance		Alison Lee	