



INSTITUT JANTUNG NEGARA
National Heart Institute



IJN CMR COURSE 2025

LEVEL 1 ACCREDITATION

24th - 26th February 2025
Institut Jantung Negara
Kuala Lumpur

INCLUDES 50 CASES FOR SCMR LEVEL 1 ACCREDITATION

COURSE DIRECTOR

DR. RAFIDAH ABU BAKAR
NATIONAL HEART INSTITUTE

INTERNATIONAL FACULTY

DR. FRANCISCO ALPENDURADA
CMR UNIT, ROYAL BROMPTON
HOSPITAL LONDON, UNITED KINGDOM

DR. WILLIS LAM
CAIRNS AND HINTERLAND HOSPITAL
QUEENSLAND, AUSTRALIA

LOCAL FACULTY

DR. RAFIDAH ABU BAKAR
NATIONAL HEART INSTITUTE

DR. TAN LAY KOON
NATIONAL HEART INSTITUTE

DR. LEONG MING CHERN
NATIONAL HEART INSTITUTE

DR. AKMAL HAKIM ARSHAD
GLENEAGLES HOSPITAL KUALA LUMPUR

ENQUIRY

IJN CMR COURSE 2025 COMMITTEE
NATIONAL HEART INSTITUTE
(INSTITUT JANTUNG NEGARA)
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CONTACT

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COURSE OVERVIEW

- 3 days CMR course directed towards certification in Level 1 SCMR
- Teaching delivered by advanced Level 3 CMR faculty members
- Lectures covering essential topics of basic CMR physics, MRI safety and basic CMR scanning protocols for common cardiac conditions
- Covering various aspects including cardiomyopathy, perfusion, viability, valvular heart disease and congenital heart disease
- 50 mentored CMR cases (as recommended by SCMR for Level 1 accreditation) over 3 days providing ample time to browse through cases under expert supervision
- Hands on training on advanced workstations
- At the end of the course, attendees will have an understanding of CMR indication, CMR images interpretation and CMR reporting

CERTIFICATION

- Attendees will be awarded a certificate of attendance that includes mentored number of cases reviewed
- Attendees can submit application to SCMR for Level 1 Accreditation using Track B (Course-Based Training)

ORGANISED BY



INSTITUT JANTUNG NEGARA
National Heart Institute

ENDORSED BY



Society of Cardiac Imaging Malaysia



Society for Cardiovascular
Magnetic Resonance

IJN CMR COURSE 2025

DAY 1 - MONDAY, 24TH FEBRUARY 2025

TIME	TOPICS
0745 - 0830	Registration
	SESSION 1: BASIC CMR
0830 - 0845	Welcome Speech
0845 - 0915	Overview and Introduction to CMR
0915 - 0945	MRI Physics
0945 - 1015	CMR Basic Setup & Safety
1015 - 1045	Coffee Break
	SESSION 2: BASIC CMR
1045 - 1130	CMR Basic Planning and CMR sequences
1130 - 1200	Anatomy ("Bright" and/or "Dark" blood methods). LV and RV Function. Acquisition and Analysis
1200 - 1230	Early and Late Gadolinium Imaging. Acquisition and Analysis
1230 - 1300	CMR Artefacts
1300 - 1400	Lunch
1400 - 1430	Post Processing Software Analysis Demonstration
	SESSION 3: PRACTICAL CMR
1430 - 1630	Case Review: 8 Cases i) Assessment of LV/RV function ii) Cardiomyopathy
1630 - 1700	Coffee Break
	SESSION 4: PRACTICAL CMR
1700 - 1830	Hands on at the Work Station: LV & RV Volumes Measurements

IJN CMR COURSE 2025

DAY 2 - TUESDAY, 25TH FEBRUARY 2025

TIME	TOPICS
	SESSION 5: CLINICAL & PRACTICAL CMR
0800 - 0930	Role of CMR in Cardiomyopathies and Heart Failure: <ol style="list-style-type: none"> i) Patterns of LGE ii) STIR-T2 iii) T1 mapping & ECV assessment iv) T2* assessment v) Inherited and Acquired Cardiomyopathies Case Review: 2 Cases (T2* and cardiomyopathy)
0930 - 1000	Role of CMR in MINOCA
1000 - 1030	Coffee Break
	SESSION 6: CLINICAL & PRACTICAL CMR
1030 - 1130	Role of CMR in Coronary Artery Disease: Stress Perfusion Study
1130 - 1300	Case Review: 8 Cases (LGE and Stress Perfusion Study)
1300 - 1400	Lunch
	SESSION 7: CLINICAL & PRACTICAL CMR
1400 - 1445	Role of CMR in Valvular Heart Disease: Flow imaging and Clinical Application in Valvular Assessment
1445 - 1600	Case Review: 8 Cases (Cardiomyopathy and Valvular Assessment)
1600 - 1630	CMR in Arrhythmia
1630 - 1700	Coffee Break
	SESSION 8: PRACTICAL CMR
1700 - 1830	Case Review: 8 Cases: <ol style="list-style-type: none"> i) T2* ii) Cardiomyopathy iii) Valvular Assessment

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DAY 3 - WEDNESDAY, 26TH FEBRUARY 2025

TIME	TOPICS
	SESSION 9: CLINICAL & PRACTICAL CMR
0800 - 0900	Role of CMR in Assessment of Pericardial Disease, Cardiac Masses and Tumours
0900 - 1015	Case Review: 8 cases (Pericardial Disease, Cardiac Masses and Tumours)
1015 - 1030	Coffee Break
	SESSION 10: CLINICAL & PRACTICAL CMR
1030 - 1130	CMR in Congenital Heart Disease (Paediatrics and Adult)
1130 - 1300	Case Review: 6 cases (ASD,VSD,TOF,TGA)
1300 - 1400	Lunch
	SESSION 11: CLINICAL & PRACTICAL CMR
1400 - 1445	Role of CMR in Aortic Disease
1445 - 1545	Case Review: 6 cases (Aortic disease and Valvular Assessment)
1545- 1615	Coffee Break
1615 - 1645	Closing remarks regarding SCMR & EACVI Accreditation in CMR and further training
1645	CLOSE

****Programme is accurate at the time of release. Course organiser reserves the right to make changes to the course and programme without prior notice.**

REGISTRATION FEE

CATEGORY	EARLY REGISTRATION (before 30/11/2024)	LATE REGISTRATION (from 1/12/2024)
MALAYSIAN	RM 4,500	RM 5,000
NON-MALAYSIAN	USD 1,150	USD 1,350

PROGRAMME HIGHLIGHTS

- **3 DAYS INTENSIVE CMR PROGRAMME**
- **INTERNATIONALLY RENOWNED SPEAKER**
- **EXCLUSIVE AND LIMITED TO 26 SEATS ONLY!**

VENUE

