

PORTO CMR

Level 1 Course

ACADEMIA CARDIOVASCULAR
Sociedade Portuguesa de **CARDIOLOGIA**



**Academia
Cardiovascular**
Sociedade Portuguesa de **CARDIOLOGIA**



ACADEMIA CARDIOVASCULAR
Sociedade Portuguesa de **CARDIOLOGIA**
PORTO CMR
Level 1 Course

Director: *Nuno Bettencourt, MD, PhD, FESC, FACC, FSCMR, FSCCT*

Number of vacancies: 24

Day 1: Thursday, 28 of May 2026

08h30 – Registration

08h45 - Welcome and Objectives

09h00 - Introduction into MR Physics

09h50 - MRI Safety

10h20 - **Coffee-break**

10h50 - MR sequences for CMR application

11h30 - Contrast agents

12h00 - Patient preparation & CMR Basic planning for scanning

12h30 - **Lunch Break**

14h30 - HANDS-ON: Acquisition, advanced post-processing and toolbox-overview

GROUP B: Post-processing and case reading (2 groups of 6 participants)

Patient Scanning, Image Evaluation/Optimization & Reporting Scanning 3/4 patients

GROUP A: Post-processing and case reading Rotation: (4 groups of 3 participants in rotation)

1. Morphology and functional analysis using CMR
2. Ischemic cases review
3. Congenital cases review
4. Cardiomyopathies review



**Academia
Cardiovascular**
Sociedade Portuguesa de CARDIOLOGIA

Day 2: Friday, 29 of May 2026

08h30 – Day one overview. Feed-back forms

08h45 - Scar and fibrosis assessment: LGE & Mapping

09h15 - Cardiomyopathies

09h45 - Myocarditis

10h15 - Cardiac Iron Overload

10h30 - **Coffee-break**

11h00 - Pericardium

11h15 - Stress CMR

12h00 - Cardiac Masses

12h30 - **Lunch Break**

14h30 - HANDS-ON: Acquisition, advanced post-processing and toolbox-overview

GROUP A: Post-processing and case reading Rotation: (4 groups of 3 participants in rotation)

1. Morphology and functional analysis using CMR
2. Ischemic cases review
3. Congenital cases review
4. Cardiomyopathies review

GROUP B: Post-processing and case reading (2 groups of 6 participants)

Patient Scanning, Image Evaluation/Optimization & Reporting Scanning 3/4 patients

Day 3: Saturday, 30 of May 2026

08h30 – Day two overview. Feed-back forms.

08h45 – Role of CMR in Congenital Heart Disease

09h20 - Congenital Heart Disease - Segmental Approach to Diagnosis

10h10 - Aortic Disease: Angiography & Flow assessment

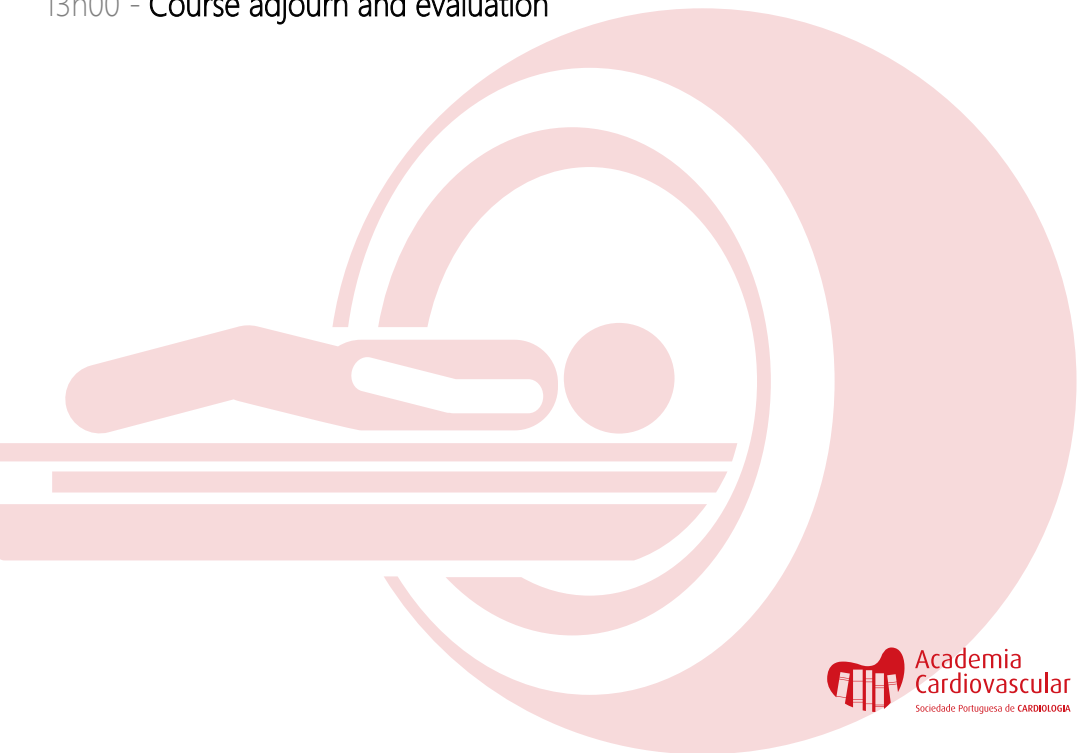
10h30 - **Coffee-break**

11h00 - New developments in CMR / Future directions

11h20 - CMR Reporting

12h00 - CMR Evaluation: self-test MCQs (30-45 min) Answers and Discussions

13h00 - Course adjourn and evaluation





Academia Cardiovascular

Sociedade Portuguesa de **CARDIOLOGIA**



22 606 07 44



academia.cardiovascular@spc.pt



Rua do Campo Alegre 830, Sala 8, 4150-180 Porto