



PORTO CMR

Level 1 Course

ACADEMIA CARDIOVASCULAR
Sociedade Portuguesa de **CARDIOLOGIA**



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



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PORTO CMR
Level 1 Course

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

Number of vacancies: 24

Day 1: Thursday, 30 of May 2024

08h30 - Registration

08h45 - Welcome and Objectives - *Nuno Bettencourt*

09h00 - Introduction into MR Physics - *Luís Arley*

09h50 - MR sequences for CMR application - *Cristiana Araújo*

10h30 - Coffee-break

11h10 - MRI Safety - *Cristiana Araújo*

11h30 - Contrast agents - *Miguel Correia*

12h00 - Patient preparation & CMR Basic planning for scanning - *David Monteiro/*

Nuno Almeida

12h30 - Lunch Break

14h30 - 19h00 - HANDS-ON: Acquisition, advanced post-processing and toolbox-overview

GROUP A: Acquisition & post-processing (Rotation: 2 groups of 6 participants)

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

Nuno Bettencourt (HLP), Catarina Ferreira (HPG)

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

1. Morphology and functional analysis using CMR - *Ana Faustino; Nuno Ferreira; Rita Faria*

2. Ischemic cases review - *Inês Silveira; Miguel Correia*

3. Congenital cases review - *Vitor Ramos; Mariana Vasconcelos*

4. Cardiomyopathies review - *Adriana Pereira; João Augusto Bicho*

Day 2: Friday, 31 of May 2024

08h30 - Day one overview. Feed-back forms

08h50 - Scar and fibrosis assessment: LGE & Mapping - *Adriana Pereira*

09h20 - Cardiomyopathies - *Catarina Ferreira*

09h50 - Myocarditis - *Ana Almeida*

10h15 - Cardiac Iron Overload - *Ricardo Ladeiras Lopes*

10h30 - Coffee-break

11h00 - Pericardium - *Catarina Vieira*

11h15 - Stress CMR - *Amedeo Chiribiri*

12h00 - Cardiac Masses - *Pedro Matos*

12h30 - Lunch Break

14h30 - 19h00 - HANDS-ON: Acquisition, advanced post-processing and toolbox-overview

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

1. Morphology and functional analysis using CMR - *Ana Faustino; Catarina Vieira*
2. Ischemic cases review - *Catarina Ferreira; Inês Silveira; Miguel Correia*
3. Congenital cases review - *Vitor Ramos; Mariana Vasconcelos;*
4. Cardiomyopathies review - *Adriana Pereira; João Augusto Bicho*

GROUP B: Acquisition & post-processing (Rotation: 2 groups of 6 participants)

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

Nuno Bettencourt (HLP); Nuno Ferreira; Rita Faria (CHVNG/E)

Day 3: Saturday, 1 of Junho 2024

08h30 - Day two overview. Feed-back forms

08h45 - Role of CMR in Congenital Heart Disease - *Vitor Ramos*

09h20 - Congenital Heart Disease - Segmental Approach to Diagnosis - *Vitor Ramos*

10h10 - Aortic Disease: Angiography & Flow assessment - *Jose R. Palomares*

10h30 - Coffee-break

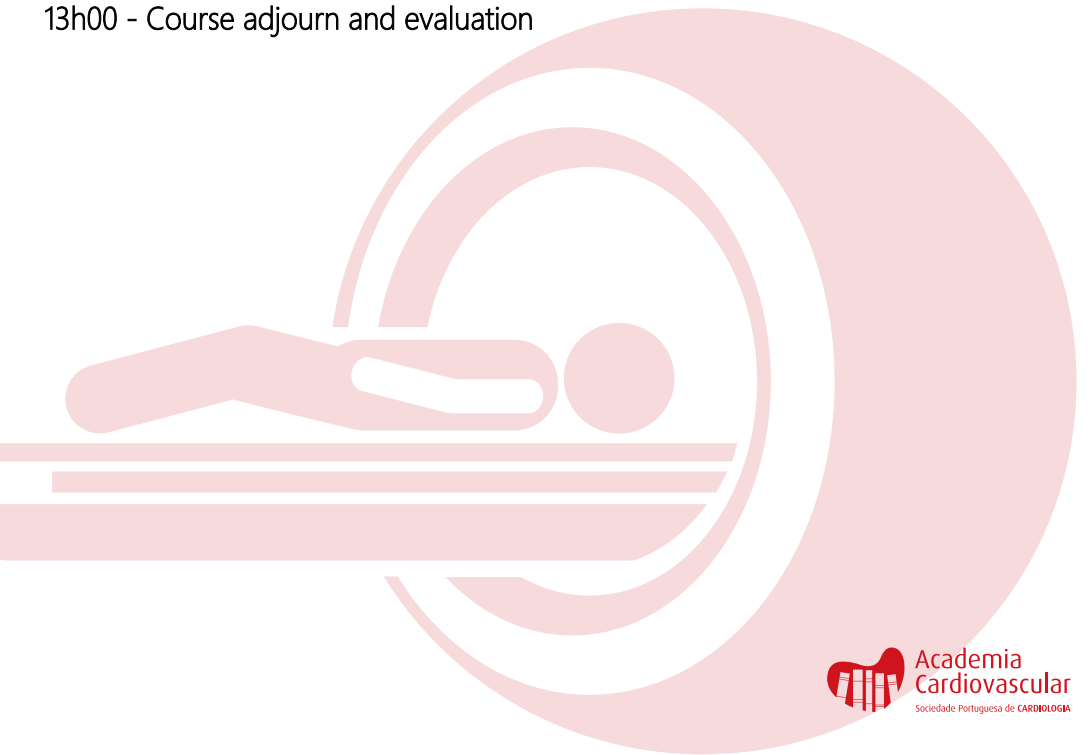
11h00 - New developments in CMR / Future directions - *António Miguel Ferreira*

11h20 - CMR Reporting - *Nuno Ferreira*

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

Answers and Discussions - *Nuno Bettencourt & David Monteiro*

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