

## Porto CMR 2026

**Director:** Nuno Bettencourt  
**Number of vacancies:** 24  
**Venue:** Cardiovascular Academy PSC

### Day 1: Thursday, 28th of May 2026

#### 08h30 – Registration

08h45 - Welcome and Objectives – *Nuno Bettencourt*  
09h00 - Introduction into MR Physics – *Luís Arley/ Cristiana Araújo*  
09h50 - MR sequences for CMR application - *Luís Arley/ Cristiana Araújo*

#### 10h20 - Coffee-break

10h50 - MRI Safety – *Vitor Silva*  
11h20 - Contrast agents – *Vitor Hugo Pereira*  
11h50 - Patient preparation & CMR Basic planning for scanning – *David Monteiro/ Nuno Almeida*

#### 12h30 - Lunch Break

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

##### **GROUP A: Acquisition & post-processing:**

(2 groups of 6 participants)  
Patient Scanning, Image Evaluation/Optimization & Reporting  
Scanning 3/4 patients  
*Nuno Bettencourt (HLP), Rita Faria e Nuno Ferreira (ULSGE),*

##### **GROUP B: Post-processing and case reading Rotation:**

(4 groups of 3 participants in rotation)  
1. Morphology and functional analysis using CMR – *Ana Faustino; Ana Rita Veiga;*  
2. Congenital cases review – *Mariana Vasconcelos; Vitor Ramos; Hamish Walker*  
3. Cardiomyopathies review – *Adriana Pereira; Miguel Correia*  
4. Ischemic cases review – *Catarina Ferreira; João Augusto*

**Day 2: Friday, 29th of May 2026**

**08h30 – Day one overview. Feed-back forms**

08h45 - Scar and fibrosis assessment: LGE & Mapping – *Adriana Pereira*

09h15 - Cardiomyopathies – *Catarina Ferreira*

09h45 - Myocarditis – *Ana Almeida*

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

**10h30 - Coffee-break**

11h00 - Pericardium – *Catarina Vieira*

11h15 - Stress CMR – *António Miguel Ferreira*

12h00 - Cardiac Masses – *Pedro Matos*

**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 – *Ana Faustino; Ana Rita Veiga*
2. Congenital cases review – *Vitor Ramos; Hamish Walker*
3. Cardiomyopathies review – *Adriana Pereira*
4. Ischemic cases review – *Catarina Ferreira; Vera Vaz Ferreira*

**GROUP B: Acquisition & post-processing:**

(2 groups of 6 participants)

Patient Scanning, Image Evaluation/Optimization & Reporting

Scanning 3/4 patients

*Nuno Bettencourt (HLP), Rita Faria e Nuno Ferreira (ULSGE),*

**Day 3: Saturday, 30th of May 2026**

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

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

09h20 - CMR in assessing valvular disease - *Hamish Walker*

10h10 - Aortic Disease: Angiography & Flow assessment – *Vitor Ramos*

**10h30 - Coffee-break**

11h00 - New developments in CMR / Future directions – *Mariana Vasconcelos*

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**