

Porto CMR - Level I Course – 2020

Session 1: Friday, 18th of September 2020

- 15:00 - 15:10 Welcome and Objectives – Nuno Bettencourt
15:10 - 16:30 Introduction into MR Physics – Thomas Lamprecht
MR sequences for CMR application – Thomas Lamprecht
16:30 - 17:00 Coffee-break
17:00 - 17:20 Contrast agents – Miguel Correia
17:20 - 17:40 MRI Safety – Cristiana Araújo
17:40 - 18:00 Patient preparation & CMR Basic planning for scanning – D. Monteiro/ N.Almeida

Session 2: Saturday, 19th of September 2020

- 09:00 - 09:20 Scar and viability assessment: LGE - José R. Palomares
09:20 - 09:50 Cardiomyopathies – Catarina Ferreira
09:50 - 10:10 Myocarditis – Ana Almeida
10:10 - 10:25 Cardiac Iron Overload – Ricardo Ladeiras Lopes
10:25 - 10:40 Pericardium – Rita Faria
10:40 - 11:00 Coffee-break
11:00 - 11:30 Masses – Pedro Matos
11:30 - 11:50 Flow Imaging MRI Physics and Clinical Application – Amedeo Chiribiri
11:50 – 12:10 MR Aortic Angiography – Amedeo Chiribiri
12:10 - 12:30 Adenosine Stress MR – Amedeo Chiribiri
12:30 - 12:40 Dobutamine Stress MR – Amedeo Chiribiri

Session 3: Friday, 25th of September 2020

- 15:00 - 15:30 Congenital Heart Disease – Segmental Approach to Diagnosis – Vitor Ramos
- 15:30 - 16:00 Imaging in Children and Adults with Congenital Heart Disease: The current role of MRI – Hamish Walker
- 16:00 - 16:30 Sedation and Anaesthesia in MR environment – Ana Pinto Ferreira
- 16:30 – 17:00 Coffee-break**
- 17:00 - 17:30 New developments in CMR / Future directions – António Miguel Ferreira
- 17:30 - 18:00 CMR Reporting - Alicia Maceira

Session 4: Saturday, 26th of September 2020

- 9:00-12:00 **Post-processing and case reading**
Morphology and functional analysis using CMR;
Congenital cases review;
Cardiomyopathies review;
Ischemic cases review
- 12:00 - 13:00 CMR Evaluation: self-test MCQs (30-45 min) – Nuno Bettencourt
Answers and Discussions
- 13:00 - 13:30 Course adjourn and evaluation – Nuno Bettencourt

Session 5 (Session dates according to available schedule)

Acquisition & post-processing

Nuno Bettencourt / Catarina Ferreira / Inês Silveira / David Monteiro / Ismael / Diogo Santos

- Groups of 2-3 participants
- Patient Scanning, Image Evaluation/Optimization & Reporting
- Scanning 3/4 patients (3 h)

LIMITED TO A MAXIMUM OF 24 PARTICIPANTS