



UNIVERSITÀ
DEGLI STUDI
DI PADOVA



PADOVA
MAY 19th - 23rd, 2025

**CARDIOVASCULAR MR COURSE:
FROM USERS TO PRACTITIONERS**

AGENDA

Monday, May 19th

- 14:00** **Welcome and course introduction**
Prof. A. Pepe MD, Ph.D - Prof. E. Quaia MD, Ph.D, G. Bellon TR
- 14:10** **Physics for dummies in Cardiovascular Magnetic Resonance (CMR)**
Dr. F. Crimi, MD, Ph.D
- 14:30** **Sequences in CMR**
M. Castellaro, Bioengineer, Ph.D
- 14:50** **Q & A**
- 15:00** **Protocols acquisition in CMR: tips and tricks**
S. Zinato, TR
- 15:30** **Parametric Technique in CMR (T1, T2, T2* mapping): tips and tricks**
M. Pizzi and D. Negro, TRs
- 15:50** **Q & A**
- 16:00** **Coffee Break**
- 16:20** **Image analysis by a practical approach**
Dr. A. Lupi, MD, Ph.D
- 17:10** **Q & A**
- 17:20** **Contrast media in CMR: who, why and when**
Prof. E. Quaia MD, Ph.D
- 17:50** **Q & A**

Tuesday, May 20th

- 08:30** **CMR: acquisition and analysis in the real life**
Prof. A. Pepe MD, Ph.D - M. Vertuani TR
- 10:30** **Coffee Break**
- 11:00** **CMR: acquisition and analysis in the real life**
Dr. A. Lupi, MD, Ph.D - M. Vertuani TR
- 13:00** **Lunch**
- 14:00** **CMR in Hypertrophic Phenotype Cardiomyopathies**
Prof. A. Pepe MD, Ph.D
- 14:30** **Q & A**
- 14:40** **CMR in dilated and non-dilated Phenotype Cardiomyopathies**
Dr. A. Lupi MD, Ph.D
- 15:10** **Q & A**
- 15:20** **CMR in Arrhythmogenic cardiomyopathy**
Dr. G. Cabrelle, MD
- 15:50** **Q & A**
- 16:00** **Coffee Break**
- 16:20** **CMR Safety**
Dr. C. Zanon, MD
- 16:35** **CMR patient preparation also in "unsafe" conditions (stress, sedations, ICD/PM)** Dr. C. Lazzarini and M. Canali, Nurses
- 17:05** **Q & A**
- 17:10** **CMR: reporting**
Dr. A. Lupi MD, Ph.D

AGENDA

Wednesday, May 21st

- 08:30** **CMR: acquisition and analysis in the real life**
Prof. A. Pepe MD, Ph.D - V. Gualiumi, TR
- 10.30** **Coffee Break**
- 11:00** **CMR: acquisition and analysis in the real life**
Dr. G. Cabrelle, MD – S. Faranda, TR
- 13:00** **Lunch**
- 14:00** **ECG for dummies in CMR**
Prof. G. Rossitto, MD, Ph.D
- 14:20** **Q & A**
- 14:25** **CMR in Ischemic Cardiomyopathy**
Dr. A. Lupi MD, Ph.D
- 14:45** **Stress CMR: why and how to do**
Prof. A. Pepe MD, Ph.D
- 15:10** **Q & A**
- 15:20** **MR in cardiac masses and pericardium**
Dr. G. Cabrelle MD
- 15.50** **Q & A**
- 16:00** **Coffee Break**
- 16:20** **One stop shot MR in iron loaded patients: not only heart**
Prof. A. Pepe MD, Ph.D
- 17:10** **Q & A**
- 17:20** **CMR: reporting**
Dr. G. Cabrelle, MD

Thursday, May 22nd

- 08:30** **Basal and Stress CMR: acquisition and analysis in the real life**
Prof. A. Pepe MD, Ph.D – S. Zinato TR
- 10.30** **Coffee Break**
- 11:00** **Basal and Stress CMR: acquisition and analysis in the real life**
Dr. A. Lupi, MD, Ph.D – S. Zinato, TR
- 13:00** **Lunch**
- 14:00** **CMR in Myocarditis**
Dr. G. Cabrelle, MD
- 14:30** **Q & A**
- 14:40** **CMR in Autoimmune Rheumatic disease**
Prof. A. Pepe MD, Ph.D
- 15:10** **Q & A**
- 15:20** **CMR in heart transplantation**
Dr. A. Lupi, MD, Ph.D
- 15.50** **Q & A**
- 16:00** **Coffee Break**
- 16:20** **CMR in the diagnostic work up of the Sportive Medicine**
Dr. A. Lupi, MD, Ph.D
- 16:50** **Q & A**
- 17:00** **CMR: reporting**
Prof. A. Pepe MD, Ph.D

AGENDA

Friday, May 23rd

- 09:00** Congenital heart disease in CMR made easy
Dr. G. Cabrelle MD
- 09:40** Q & A
- 09:50** CMR in valvular heart disease
Dr. A. Lupi, MD, Ph.D
- 10:30** Q & A
- 10.40** Coffee Break
- 11.10** Structured report in CMR: how to dialogue with the reference clinician
Prof. A Pepe
- 11.40** Q & A
- 11:50** CME test (multiple choice questionnaire)
- 12:50** Closing remarks
Prof. A. Pepe MD, Ph.D - Prof. E. Quايا MD, Ph.D, G. Bellon TR

Objective

The one-week course is opened to radiologists, cardiologists, medical radiology technicians, and nurses who are already or intend to practice cardiovascular magnetic resonance (CMR) in their clinical activity.

It also aimed at all clinicians who used the CMR as a key instrument in order to manage their own patients (cardiologists, cardiac surgeons, sports physicians, pediatricians, rheumatologists, hematologists, internal physicians, general practitioners).

Furthermore, it is opened to bioengineers and bioinformatics who already or intend to closely work in a CMR Lab.

Setting

The Institute of Radiology is an international Academic Center, in the Excellence Department of Medicine within one of the oldest Universities in the world, performing more than 700 CMR exams per year covering any field of CMR applications (from pediatric to old population, basal and stress).

The dedicated cardiovascular team lives in a multidisciplinary clinical and bioengineering environments. The team is led by Prof. A. Pepe, a radiologist and cardiologist, fully dedicated to the clinical, research and training issues in cardiovascular imaging since 2000.

Clinical Research Scanner Magnet: 1.5T Strength

The fee will cover:

- Frontal lectures: from the diagnostic semiotic to the appropriateness based on the current recommendations in a multimodality and multidisciplinary view
- Practical sections aimed at protocol optimization based on the clinical question, post-processing in an AI era, and reporting in a multidisciplinary view
- Tutor assistance by the faculty
- Teaching material
- Lunch ticket
- Social dinner
- Attendance certificate

Language course: Italian, English on demand

Course Director

Prof. Alessia Pepe
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Organizing secretary

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National Provider Nazionale Id. 1884 - Dipartimento di Medicina - DIMED

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The event has been certified for N. 43,20 Continuing Medical Education Credits of the Italian Ministry (Provider Nazionale Id. 1884 – Dipartimento di Medicina-DIMED for the following specialists: Medical Doctor [discipline: radiologists, cardiologists, cardiac surgeons, sports physicians, pediatricians, rheumatologists, hematologists, internal physicians, general practitioners]; technologists, nurses, pediatrics nurses).

ECM

For the purposes of certifying ECM credits, the following are necessary: - the actual presence of those enrolled, at 90% of the entire duration of the training activities, with verification by signature of incoming and outgoing attendance; - completing and returning the evaluation/satisfaction form and the personal data sheet to the secretariat. - passing the final multiple choice questionnaire.

Course Venue

Teaching Room and Reporting Room.
Institute of Radiology, Department of Medicine, University of Padua
N. Giustiniani, 2 Street
35128 Padova

Cost

€ 1500 + 22% VAT for each physician
€ 800 + 22% VAT for each technical radiologist, nurse, bioengineer,
bioinformatic, resident and PhD student
Maximum 10 participants

www.medicinadimed.unipd.it/cardiovascular-mr-course-users-practitioners-padova-may-19th-23rd-2025