

ERASMUS COURSE on

CARDIOVASCULAR MR with
CLINICAL and
MULTIMODALITY
CORRELATIONS



PADUA

29TH SEPTEMBER
1ST OCTOBER
2026

ERASMUS COURSE on

OBJECTIVE

The course is open to radiologists, cardiologists, internists, pediatricians, rheumatologists, and cardiac surgeons, as well as residents, technologists, and nurses who already practice, or intend to practice, cardiovascular magnetic resonance (CMR) in their clinical activity. It is also aimed at all clinicians who use CMR as a key instrument to manage their own patients (cardiologists, cardiac surgeons, sports physicians, pediatricians, rheumatologists, hematologists, internal physicians, general practitioners).

Key words: multimodality perspective; clinical vision; innovation; artificial and human intelligence.

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TUESDAY 29TH SEPTEMBER

- 08:00** Registration
- 08:45** Opening remarks, welcome and course introduction
A. Pepe, L. Natale, H. Lamb
- 09:00–09:20** Historical perspective of heart imaging
L. Natale
- 9:20–9:40** Physics for dummies in Cardiovascular Magnetic Resonance (CMR)
F. Crimi
- 09:40–10:00** ECG for dummies in CMR
G. Rossitto
- 10:00–10:20** Sequences in CMR
M. Castellaro
- 10:20–11:00** Discussion
- 11:00–11:30** *Coffee Break*
- 11:30–11:50** Free-Breathing 4D Cardiovascular MRI: towards Fully Automated CMR
H. Lamb

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- 11:50–12:10** Parametric Technique in CMR (T1, T2, T2* mapping): tips and tricks
A. Meloni
- 12:10–12:50** Discussion
- 12:50–14:00** *Industry-sponsored Symposium*
Chairpersons: A. Pepe, E. Quaia
- 14:00–14:20** Image analysis: a practical approach
A. Lupi
- 14:20–14:40** CMR patient preparation, also in “unsafe” conditions (stress, sedation, ICD/PM)
M. Cesarotto
- 14:40–15:00** Discussion
- 15:00–17:00** Interactive session 1 | CMR mentored case review: good technique and preparation for a good diagnosis
Whole Tuesday faculty

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WEDNESDAY 30TH SEPTEMBER

Chairpersons: H. Lamb, F. Bovenzi

09:00–09:15 Clinical challenges in chronic coronary syndromes: what the cardiologist needs to know from the cardiac imaging?
F. Tona

09:15–09:35 When and why coronary CT
M. Williams

09:35–09:55 When and why stress echocardiography
V. Pergola

09:55–10:15 When and why stress CMR
A. Pepe

10:15–10:35 When and why stress myocardial perfusion scintigraphy
A. Gimelli

10:35–11:00 Discussion

11:00–11:30 *Coffee Break*

11:30–13:00 Interactive session 2 | Stress CMR: acquisition and analysis in real-time connection with the MRI Lab of the Institute of Radiology
A. Pepe, S. Zinato, A. Lupi, L. Natale and whole Wednesday morning faculty

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13:00–14:00 Lunch

Chairpersons: A. Esposito, F. Bovenzi

14:00–14:15 Clinical challenges: what does the cardiac surgeon need to know from cardiac imaging?
V. Tarzia

14:15–14:30 CMR and CT in valvular heart disease
A. Palmisano

14:30–14:45 CMR and CT in heart transplantation
F. Secchi

14:45–15:00 CMR and CT in aortic diseases
N. Galea

15:00–15:20 Discussion

15:20–15:35 Clinical challenges: what does the pediatric cardiologist need to know from cardiac imaging?
G. Di Salvo

15:35–15:55 Congenital heart disease in CMR made easy
A. Secinaro

15:55–16:10 Discussion

16:10–17:30 Interactive session 3 | CMR and CT mentored case review – from the cardiac surgeon to the patient through the imaging
G. Cabrelle and whole Wednesday afternoon Faculty

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THURSDAY 1ST OCTOBER

Chairpersons: L. Natale, S. Delle Grottaglie

- 09:00–09:20** Artificial intelligence in cardiac imaging
H. Lamb
- 09:20–09:35** Clinical challenges in cardiomyopathy:
what the cardiologist needs to know from
the cardiac imaging?
S. Nistri
- 09:35–09:55** CMR in hypertrophic phenotype
cardiomyopathies
G. Ligabue
- 09:55–10:10** CMR in arrhythmogenic phenotype
cardiomyopathies
S. Delle Grottaglie
- 10:10–10:25** CMR in dilated a non-dilated phenotype
cardiomyopathies
M. Francone
- 10:25–10:40** One stop shot MR in iron loaded patients:
not only heart
A. Pepe
- 10:40–11:00** Discussion
- 11:00–11:30** *Coffee Break*

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11:30–13:00 Interactive session 4 | CMR in cardiomyopathy: acquisition and analysis in real-time connection with the MRI Lab of the Institute of Radiology
Whole Thursday morning Faculty

13:00–14:00 *Lunch*

Chairpersons: A. Pepe, A. Ermolao

14:00–14:15 Clinical challenges in sports medicine: what does the clinician need to know from cardiac imaging?
A. Ermolao

14:15–14:30 CMR and CT in the diagnostic work-up in sports medicine
A. Esposito

14:30–14:40 Discussion

14:40–14:55 Clinical challenges in autoimmune rheumatic disease: what does the clinician need to know from the cardiac imaging?
R. Ramonda

14:55–15:10 CMR in autoimmune rheumatic disease
S. Mavrogeni

15:10–15:25 Structured report in CMR: how to dialogue with the referring clinician
A. Lupi, S. Nistri

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15:25–15:40 Discussion

15:40–16:50 Interactive session 5 | CMR and CT
mentored case review
Whole Thursday afternoon Faculty

16:50–17:10 Closing Remarks
A. Pepe, L. Natale, H. Lamb

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GENERAL INFO

Language course:

English

Course Director:

Prof. Alessia Pepe, Padua (IT)

Co-Directors:

Prof Luigi Natale, Rome (IT)

Prof. Hildo Lamb, Leiden (NL)

Local Organizing Secretariat:

MCO International Group Srl

Via Luigi Carlo Farini 11, 50121 Firenze

martina.bisconti@mcointernationalgroup.com

CME:

An application has been made to the UEMS/EBR for CME/
CPD accreditation of this event

Course Venue:

Teaching Room and Reporting room, Institute of Radiology,

Department of Medicine, University of Padua

N. Giustiniani, 2

35128 Padova

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Department of Medicine, University of Padua
N. Giustiniani, 2
35128 Padova

REGISTRATION FEE:***Before July 30th:***

€ 750,00 – Physicians.

€ 550,00 – Residents, PhD students, radiology technicians,
nurses.

After July 30th:

€ 850,00 – Physicians.

€ 650,00 – Residents, PhD students, radiology technicians,
nurses.

The fee covers:

- Frontal lectures: from diagnostic semiotics to appropriateness based on current recommendations, in a multimodality and multidisciplinary view;
- Practical sessions 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 course material;
- Coffee breaks and lunches.

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Payment method

Credit card

Please note: registration fees do not include 22% VAT.

CANCELLATION POLICY

- Registrations cancelled more than 60 days before the event will be refunded 80% of the registration fees.
- Registrations cancelled less than 60 but more than 30 days before the event will be refunded 50% of the registration fees.
- Registrations cancelled less than 30 days before the event will not be eligible for a refund.

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NOTE

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LOCAL ORGANIZING SECRETARIAT

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