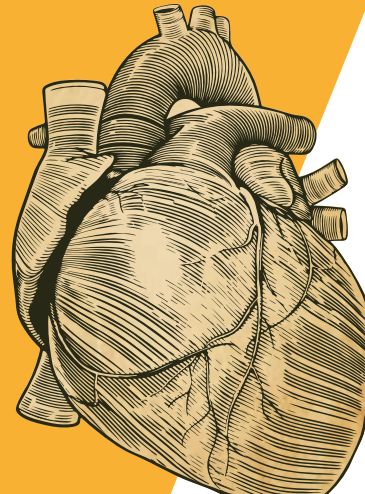


ERASMUS Course on CARDIOVASCULAR MRI with CT CORRELATION

Palermo (IT)
5th-7th October
2023
Hotel NH Palermo

Local Organizers **L. La Grutta**(Palermo, IT)
M. Galia(Palermo, IT)
Co-organizer: **L. Natale**(Rome, IT)



This course is dedicated to teaching the clinical applications of CT and MRI of the heart and vessels. Different pathologies and important issues for daily clinical practice will be discussed in plenary sessions, as well as the technological advances that contribute to a faster and more reliable diagnosis including future perspectives. Workshops will be given to practice image processing tools for MRI.

The course is aimed at Radiologists, Cardiologists, MRI and CT Technicians, Residents in radiology and cardiology, Physicians and Physicists who currently work or will work in the future with MRI and/or CT regarding cardiovascular diagnosis. Participants will have the opportunity to familiarize themselves with the basic knowledge as well as the advanced applications of cardiovascular normal or pathologic conditions.

ERASMUS Course on **CARDIOVASCULAR MRI** with **CT CORRELATION**

Thursday 5th October

8.00 Registration

8.45 Opening remarks

R. Lagalla | M. Midiri | G. Brancatelli

Welcome and Introduction

M. Galia | L. La Grutta | L. Natale

SESSION 1 • ANATOMY AND TECHNIQUE

9.00 Historical perspective of heart imaging

M. Midiri

9.20 Cardiac MRI: protocols for imaging

E. Grasedonio

9.40 Cardiac CT: protocols for imaging

F. Cademartiri

10.00 Cardiac anatomy (CMR and CCT)

M. Galia

10.15 Anomalies of coronary arteries

L. La Grutta

10.30 CMR and CCT: challenges, artifacts and solutions

L. Natale

10.45 *Coffee break*

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Thursday 5th October

Program

- 11.10 Subset of CMR studies referenced in AHA/ACC guidelines on acute chest pain
C. Harz
- 11.30 **INTERACTIVE SESSION 1**
CMR and CCT mentored case review: anatomy and technique
- 13.30 *Lunch*
- SESSION 2 - CCT AND CMR: TOP INDICATIONS. ISCHEMIC HEART DISEASE**
- 14.30 Clinical challenges in ischemic heart disease: what the cardiologist needs to know from imaging?
G. Vadalà
- 14.50 Coronary artery disease: Calcium Score, CAD-RADS and Plaque imaging
L. La Grutta
- 15.10 CMR in Ischemic Cardiomyopathy
E. Grassedonio
- 15.30 Cardiac CT: top five clinical applications
F. Cademartiri
- 15.45 Cardiac MR: top five clinical applications
H. Lamb
- 16.00 **INTERACTIVE SESSION 2**
CMR and CCT mentored case review: Imaging of Ischemic Heart Disease
- 18.00 End of scientific session

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Friday 6th October

SESSION 3 • NON ISCHEMIC HEART DISEASE

- 9.00 Clinical challenges in non ischemic heart disease: what the cardiologist needs to know from imaging?
G. Novo
- 9.20 LGE in non ischemic myocardial diseases
L. Natale
- 9.40 Myocarditis: imaging up to date
M. Gutberlet
- 10.00 CMR Parametric Mapping (T1, T2, T2* mapping)
H. Lamb
- 10.15 CMR: Hypertrophic phenotype
G. Polizzi
- 10.30 CMR: Dilated phenotype
G. Gentile
- 10.45 Lecture: CCT perfusion/ FFR vs. stress CMR: pros and cons
C. Loewe
- 11.05 *Coffee break*
- 11.30 **INTERACTIVE SESSION 3**
CMR and CCT mentored case review: Imaging of non Ischemic Heart Disease
- 13.30 *Lunch*

ERASMUS Course on **CARDIOVASCULAR MRI** with **CT CORRELATION**

Friday 6th October

Program

SESSION 4 • CCT AND CMR: APPLICATIONS YOU NEED TO KNOW

- 14.30 Imaging of revascularized patient (CCT/CMR)
A. Clemente
- 14.45 CMR in storage disease and Iron Overload
P. Toia
- 15.00 Rapid Fire: ten CCT cases
A. Clemente
- 15.20 Rapid Fire: ten CMR cases
L. Natale
- 15.40 **INTERACTIVE SESSION 4**
CMR and CCT mentored CCT and CMR: applications you need to know
- 18.00 End of scientific session

ERASMUS Course on **CARDIOVASCULAR MRI** with **CT CORRELATION**

Saturday 7th October

SESSION 5 | CCT AND CMR: OTHER APPLICATIONS • PART 1

09.00 Cardiac masses and pericardium

L. Natale

09.20 Valvular imaging

L. Natale

09.40 Imaging of TAVI and postsurgical interventions

R. Salgado

10.00 4D Flow MR

H. Lamb

10.20 Artificial intelligence in cardiac imaging

H. Lamb

10.40 *Coffee break*

11.30 **INTERACTIVE SESSION 5**

CMR and CCT mentored case review: other applications • part 1

13.30 *Lunch*

ERASMUS Course on **CARDIOVASCULAR MRI** with **CT CORRELATION**

Saturday 7th October

Program

SESSION 6 | CCT AND CMR: OTHER APPLICATIONS • PART 2

- 14.30 Athletes' hearts
M. Francone
- 14.50 Epicardial fat
L. La Grutta
- 15.10 Imaging in cardio-oncology
L. Natale
- 15.30 Imaging of Congenital Heart Disease
V. Bordonaro
- 15.50 **INTERACTIVE SESSION 6**
CMR and CCT mentored case review: other applications • part 2
- 18.00 *End of the Course*

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2023

Veronica BORDONARO | Rome, IT

Filippo CADEMARTIRI | Pisa, IT

Alberto CLEMENTE | Pisa, IT

Marco FRANCONI | Milan, IT

Cornelia HARZ | Berlin, De

Massimo GALIA | Palermo, IT

Giovanni GENTILE | Palermo, IT

Emanuele GRASSEDONIO | Palermo, IT

Matthias GUTBERLET | Leipzig, DE

Ludovico LA GRUTTA | Palermo, IT

Hildo LAMB | Leiden, NL

Christian LOEWE | Vienna, AT

Massimo MIDIRI | Palermo, IT

Luigi NATALE | Rome, IT

Giuseppina NOVO | Palermo, IT

Gesualdo POLIZZI | Catania, IT

Rodrigo SALGADO | Antwerp, BE

Patrizia TOIA | Palermo, IT

Giuseppe VADALÀ | Palermo, IT

Faculty

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Note



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Registration fee includes:

- Access to the Course
- Course material
- Coffee breaks and Lunches
- Social events

EACCME® for 21 European CME credits

The course has been organized thanks to the unrestricted grants of:

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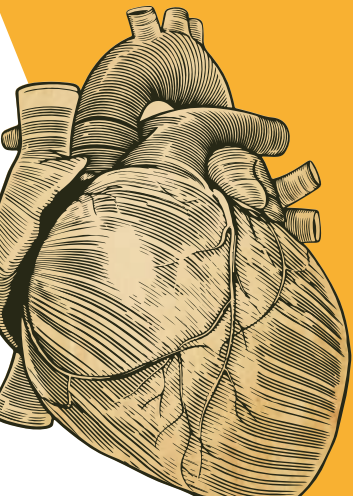


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ERASMUS Course on CARDIOVASCULAR MRI with CT CORRELATION



ORGANIZING SECRETARIAT



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