

Course Faculty

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Course Information

Course organizers

Working group for
Cardiovascular Magnetic Resonance
of the European Society of Cardiology (ESC)

General information

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Registration

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A Convention by
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Course fee

including two nights hotel accomodation: 950,- €
please register online: www.cmr-course.de

Venue

Munich Airport Marriott Hotel
Alois-Steinecker-Straße 20
85354 Munich (Bavaria), Germany
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3rd Annual European Course on Cardiovascular Magnetic Resonance

Munich

02. - 04. June 2011

Objectives

The EuroCMR course is designed for cardiologists, radiologists and technologists interested in obtaining basic knowledge on the principles and clinical practice of cardiovascular magnetic resonance (CMR).

Upon completion of this three-day lecture and hands-on course the participants should be able to:

Acquire general knowledge on basic CMR imaging techniques.

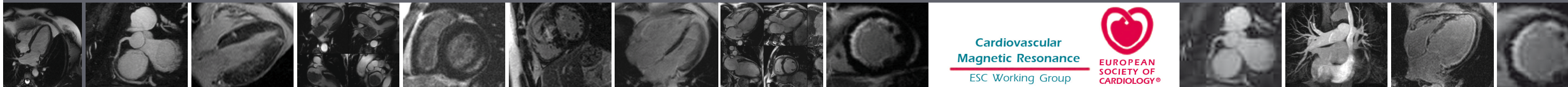
Apply these CMR imaging techniques for the most common clinical indications.

Utilize CMR imaging for the clinical work-up of coronary artery disease and myocardial viability.

Demonstrate familiarity with the implementation of a basic CMR exam, and evaluate the specific imaging protocols for the most common referrals.

Read and interpret CMR images.

Prepare for the EuroCMR exam.



Cardiovascular
Magnetic Resonance
ESC Working Group



EUROPEAN
SOCIETY OF
CARDIOLOGY®

Program

Thursday: CMR basics

- 13:00 -13:15 Welcome / Introduction (Heiko Mahrholdt/Oliver Bruder)
- 13:15 - 14:00 Technical considerations: The Basics of CMR (Sven Plein)
- 14:00 - 14:30 CMR safety (Massimo Lombardi)
- 14:30 - 15:15 How to do CMR anatomy and function (Oliver Bruder)
- 15:15 - 16:00 How to do CMR perfusion (Sven Plein)
- 16:00 - 16:30 Coffee break
- 16:30 - 17:00 How to do LGE CMR (Heiko Mahrholdt)
- 17:00 - 17:30 How to do CMR flow assessment (Philip Kilner)
- 17:30 - 18:00 How to do T2 / T2* imaging (Massimo Lombardi)
- 18:00 - 20:00 Case reading / hands-on in groups (All)
- 20:00 Dinner

Friday CMR in the clinical arena and hands-on training

- 08:30 - 9:00 Imaging artifacts and trouble shooting (Sven Plein)
- 09:00 - 09:45 Work-up of suspected coronary artery disease:
 - Dobutamine Stress in the clinical arena (Eike Nagel)
 - Adenosine Perfusion in the clinical arena (Jürg Schwitter)
- 09:45 - 10:30 Work-up of myocardial viability:
 - Late gadolinium enhancement (Heiko Mahrholdt)
 - Low dose dobutamine stress (Eike Nagel)
- 10:30 - 10:45 Coffee break
- 10:45 - 11:45 Cardiomyopathies and myocarditis (Heiko Mahrholdt)
- 11:45 - 12:15 Special lecture - thalassemia (Massimo Lombardi)
- 12:15 - 13:00 Lunch break

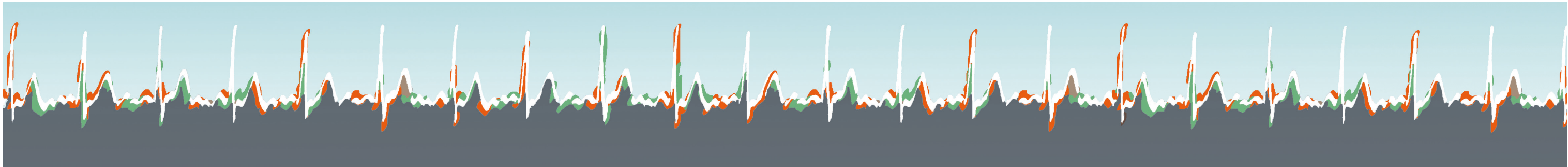
- 13:00 - 13:45 Valvular heart disease (Philip Kilner)
- 13:45 - 16:00 Case reading / hands-on in groups (All)
 - Ischemia cases (Steffen Petersen)
 - Late Gad cases (Oliver Bruder)
- 16:00 - 16:15 Coffee break
- 16:15 - 17:00 Coronary arteries, cardiac masses and pericardium (Albert van Rossum)
- 17:00 - 18:00 Ask the expert:
 - Cases from the participants
 - Expert panel: All
- 19:30 Departure social event

Saturday CMR in the clinical arena and EuroCMR exam training

- 09:00 - 09:45 Congenital heart disease made easy (Aernout Beek)
- 09:45 - 10:30 Case reading / hands-on (All)
- 10:30 - 10:45 Coffee break
- 10:45 - 12:30 EuroCMR training: Test exam similar to Florence 2010 (Steffen Petersen)
- 12:30 - 13:00 Exam Results / Discussion (Steffen Petersen)
- 13:00 - 13:15 Closing remarks (Oliver Bruder / Heiko Mahrholdt)

This course is supported by an educational grant from

Siemens
Novartis
Medis
Lilly Pharma



!!! Online case reading open 24/7 during the entire course !!! Online case reading open 24/7 during the entire course !!!