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Location of the event:

University Hospital Ulm
Lecture hall internal medicine



EMRI
ERASMUS COURSE ON
MAGNETIC RESONANCE IMAGING

This course is certified for German participants with 21 points by the Baden-Württemberg Medical Association and for foreign participants with 14.5 points by the European Accreditation Council for Continuing Medical Education



Qualitätssicherung durch



Universitätsklinikum Ulm
Klinik für Diagnostische und Interventionelle
Radiologie

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Cardiovascular MRI with
CT correlation

Ulm (DE), 26-27 September 2024

Dear colleagues,

this course is dedicated to teaching the clinical applications of MR imaging of the heart and vascular system, with CT correlation. Different pathologies and important issues for daily clinical practice will be discussed, as well as the technological advances that contribute to a faster and more reliable diagnosis including future perspectives.

The course is aimed at Radiologists, Cardiologists, 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.

Prof. Dr. med. Meinrad Beer

Thursday September 26th, 2024

8.00 Registration

8.45 Opening remarks Welcome and Introduction

SESSION 1 • ANATOMY AND TECHNIQUE

9.00 Cardiac anatomy (CMR and CCT) C. Ritter /D

9.20 Coronary anatomy including anomalies S. Klömpken /D

9.40 Cardiac MRI: patient preparation, determination of heart axes and protocols M. Beer /D

10.00 Cardiac CT: patient preparation, ca management, radiation issues and protocols M. Beer /D

10.20 Coronary artery disease: Calcium Score and Plaque imaging H. Brunner /D

10.40 Reporting including CAD-RADS C. Hackenbroch /D

11.00 Coffee break

11.20 Parametric Mapping (T₁, T₂, T₂* mapping) H. Lamb /NL

11.40 Interactive session 1 | CMR and CCT case review: anatomy and technique Whole Faculty

13.30 Lunch

SESSION 2 • CCT AND CMR: TOP INDICATIONS. ISCHEMIC HEART DISEASE

14.30 CAD: guidelines and expectations on the part of cardiology R. Birkemeyer /D

14.50 CMR in Ischemic Cardiomyopathy M. Radermacher /D

15.10 CT in Ischemic Cardiomyopathy L. Lehmkuhl /D

15.30 Imaging of revascularized patient (CCT/CMR) C. Skrabal /D

15.50 CCT perfusion/ FFR vs. stress CMR: pros and cons A. Kallifatidis /GR

16.10 Interactive session 2 | CMR and CCT case review: Imaging of CAD Whole Faculty

18.00 End of session

Friday September 27th, 2024

SESSION 3 • CMR: TOP INDICATIONS. NON ISCHEMIC HEART DISEASE

9.00 Non ischemic heart disease: guidelines and expectations on the part of cardiology N. Nita /D

9.20 LGE in non ischemic myocardial diseases plus ECV M. Francone/IT

9.40 Myocarditis: imaging up to date M. Gutberlet /D

10.00 DCM, HCM and beyond M. Pirnat /SLO

10.20 Athlete's heart A. Costa /PT

10.40 Heart failure (including iron overload etc.) M. Beer /D

11.00 Coffee break

11.30 Interactive session 3 | CMR and CCT case review: Imaging of non IHD Whole Faculty

13.30 Lunch

SESSION 4 • CCT AND CMR: further APPLICATIONS and EMERGING APPLICATIONS

14.30 CMR and CCT: challenges, artifacts and solutions L. Natale /IT

14.50 Imaging of Congenital Heart disease H. Brunner /D

15.10 Imaging in cardio-oncology J. Bremerich /CH

15.30 Valvular imaging including 4D Flow G&U Reiter/AUT

15.50 Artificial intelligence in cardiac imaging H. Lamb/NL

16.10 Interactive session 4 | CMR and CCT: further applications Whole Faculty

17.30 Test

18.00 End of session