

**About the course**

The 2-day CMR course is endorsed by the Society of Cardiovascular Magnetic Resonance (SCMR) as an affiliated activity prior to the Annual SCMR conference.

An outstanding international faculty of CMR experts with years of clinical experience will cover the role of CMR in diagnosis and clinical management of myocardial ischemia, cardiomyopathies and heart failure, as well as in guiding medical treatment, coronary intervention and the use of medical devices.

Interactive cases will provide insight into clinical utilization of CMR and highlight its value in daily clinical routine.

Models of business planning and clinical service infrastructure will be presented.

Postprocessing workstations will be available throughout the course.

The course can be used towards SCMR accreditation

**Course Faculty**

Prof Eike Nagel  
Goethe University  
Frankfurt, Germany

Dr Valentina Puntmann  
Goethe University  
Frankfurt, Germany

Dr Raymond Kwong  
Harvard University  
USA

Prof Subha Raman  
The Ohio State University  
USA

Dr Mark Westwood  
Bart's and London Hospital  
UK

Dr Vivek Muthurangu  
University College London  
UK

**Cardiovascular Magnetic Resonance Course  
(SCMR Level I)**

**Course Director:** Prof Eike Nagel

**Date:** January 26<sup>th</sup> – 27<sup>th</sup> 2016

**Venue:** Intercontinental, Los Angeles, Century City At Beverly Hills

**Early Bird Fee (until 28.12.2015)**

Physicians= 630,-USD

Technologists/Trainees=470,-USD

**Standard Fee**

Physicians=700,-USD

Technologists/Trainees=540,-USD

\*The course includes Coffee Breaks and a Lunch Buffet on both days.

Book at: <http://www.cmr-international.org/booking.html>

Endorsed by:



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**Programme**

Tuesday, January 26 <sup>th</sup> 2016	
Time	Topic
08:00 09:00	REGISTRATION
09:00 09:15	Welcome and Objectives
09:15 10:15	<b>MR – Physics</b> of CMR applications
10:15 10:30	<b>Tea break</b>
10:30 11:00	<b>CMR protocols:</b> Planning for cardiac anatomy and function
11:00 12:00	<b>Introduction into Cardiomyopathies:</b> Introduction into basic tissue characterization (LGE, EGE, T2)
12:00 13:00	<b>Ischaemic heart disease:</b> Pathophysiology, stress testing, viability testing, post infarction imaging, pre-CRT imaging
13:00 14:00	<b>LUNCH BREAK</b>
14:00 15:00	<b>Interactive Cases</b>
15:00 16:00	<b>Interactive Cases</b>
16:00 17:00	Post-processing demonstration
17:00 17:15	<b>Tea break</b>
17:15 18:00	<b>CMR in acute chest pain and SOB:</b> NSTEMI, ACS, acute aortic syndrome, myocarditis, Tako-tsubo, HFpEF
18:00 18:45	<b>Tissue contrast and mapping techniques:</b> T1/T2/T2*-mapping

Wednesday, January 27 <sup>th</sup>	
Time	Topic
08:00 08:45	<b>Congenital Heart Disease:</b> Frequent abnormalities, Flow imaging, Aortic abnormalities
08:45 09:15	<b>Congenital Heart Disease:</b> Cases
09:15 10:15	<b>Other frequent findings:</b> Masses, Pericardium, Incidental Findings
10:15 10:30	<b>Tea break</b>
10:30 11:15	<b>Interactive Cases</b>
11:15 12:15	<b>Interactive Cases</b>
12:15 13:00	<b>Interactive self evaluation / Case session and Mock exam</b>
13:00 14:00	<b>Lunch break</b>
14:00 14:45	<b>Value of CMR in a multimodality environment</b>
14:45 15:30	<b>How to set up a basic protocol and clinical service:</b> With and without perfusion
15:30 16:15	<b>Clinical service business planning</b>
16:15 16:30	<b>Tea break</b>
16:30 17:15	<b>Indications and Outcome</b>
17:15	<b>COURSE ADJOURN</b>