

# CMR Stress Testing and Ischemic Heart Disease

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**February 22th 2018 from 1pm - February 23th 2018 to 6pm**  
**November 15th 2018 from 1pm - November 16th 2018 to 6pm**

This workshop offers dedicated, state-of-the-art CMR training in ischemic heart disease with a focus on pharmacologic stress testing. There will be an emphasis on the clinical applications of CMR during both lectures and hands-on training sessions which include live clinical cases at two CMR-systems (1.5 and 3 Tesla). Clinical cases will be used liberally on dedicated work stations throughout the course. This workshop is appropriate for cardiologists and radiologists starting in CMR who are interested in acquiring more in depth knowledge in ischemic heart disease and specialists wishing to refresh their knowledge in this field.

PROGRAMME OVERVIEW:

Course director : PD Dr. Rolf Gebker

Thursday		
13.00 – 13.10	Introduction/welcome	
13.10 – 13.30	Coronary anatomy vs. functional imaging	
13.30 – 13.50	Clinical indications for CMR stress tests	
13.50 – 14.10	CMR stress testing methods: dobutamine vs. adenosine	
14.10 – 14.30	Coffee break	
14.30 – 15.00	MR physics relevant to CMR stress perfusion imaging	
15.00 – 15.20	How to do CMR anatomy and function	
15.20 – 15.40	How to do CMR perfusion	
15.40 – 16.00	How to do late gadolinium enhancement imaging	
16.00 – 16.15	Coffee break	
16.15 – 16.45	Workstation post-processing tutorial (volumes, perfusion, LGE)	
16.15 – 16.45	HANDS-ON SESSION Clinical Case reviews on dedicated workstations	
Friday		
08.30 – 09.00	CMR coronary angiography - an update	
09.00 – 09.30	Myocardial viability: LGE, low dose dobutamine, acute infarction	
09.30 – 10.00	Stress perfusion analysis - absolute quantification vs. semi-quantitative vs. visual assessment	
10.00 – 10.30	Coffee break	
10.30 – 12.30	HANDS-ON SESSIONS Group A Live scanning at 1.5T	HANDS-ON SESSIONS Group B Live scanning at 3T
12.30 – 13.30	Lunch	
13.30 – 13.50	How to write a report	
13.50 – 14.10	Imaging artefacts and troubleshooting	
14.10 – 14.30	Future of CMR stress testing	
14.30 – 15.00	Coffee break	
15.00 – 17.00	HANDS-ON SESSION - Clinical Case reviews on dedicated workstations	
17.00 – 17.15	Summary, course feedback, certificates	

