

# HANDS-ON COURSE CARDIAC MAGNETIC RESONANCE IMAGING

45<sup>th</sup> edition

September 19 and 20, 2019

AMSTERDAM

The Netherlands

Thursday, September 19

08:00 – 08:25				Registration			
08:25 – 08:30		Opening				AC van Rossum	
08:30 – 09:15		MRI – Basic principles I		-from spins to images -image formation		MBM Hofman	
09:15 – 09:30				Short break			
09:30 – 10:15		MRI – Basic principles II		-cine imaging -image settings		MBM Hofman	
10:15 – 10:30				Short break			
10:30 – 11:15		LV/RV function		-scan protocol -image plane selection		RB van Loon	
11:15 – 11:45		Safety issues I		-contraindications -ECG registration		MBM Hofman	
11:45 – 12:30		Safety issues II		-contrast media -CIEDs and MRI		MJW Götte	
12:30 – 13:00				Lunch			
13:00 – 14:15		<i>Group I</i> Hands-on session I - Healthy volunteer - positioning - image plane selection - cine imaging - image parameters		<i>Group II</i> LV/RV Function - LV/RV analysis: demo - Clinical value and indications		RB van Loon AC van Rossum	
14:30 – 15:45		LV/RV Function		Hands-on session I			
15:45 – 16:00				Short break			
16:00 – 16:30		SSFP imaging		-artifacts -image optimization		J Selder	
16:30 – 17:00		Cases I – Extra-cardiac		-incidentals		R Sprengers	
17:00 – 17:30		Structured reporting				MJW Götte	
16:55 – 18:00		Cases II – Hypertrophy		-LVH and HCM		AC van Rossum	

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08:00 – 08:15	Registration		
08:15 – 09:15	Morphology imaging	-GE / SE -T1 / T2 relaxation	MBM Hofman
09:15 – 09:45	First-pass perfusion and LGE	-first-pass quantification -late gad. enhancement	MBM Hofman
09:45 – 10:00	Short break		
10:00 – 10:45	<i>Group I</i> Ischemic heart disease	<i>Group II</i> Hands-on session II	
11:00 – 11:45	Hands-on session II - chronic infarct - rest perfusion imaging - LGE imaging	Ischemic heart disease - chronic / acute infarct - viability	AC van Rossum
12:00 – 12:30	Perfusion and LGE	- image optimization	MJW Götte
12:30 – 13:30	Lunch		
13:30 – 14:00	MRI – Basic principles III	- velocity quantification - flow analysis	MBM Hofman
14:00 – 14:15	Valvular diseases	- scan protocol	RB van Loon
14:30 – 15:15	<i>Group I</i> Hands-on session III - VHD - image planes - regurgitation quantification	<i>Group II</i> Flow applications - VHD - ASD	J Selder
15:30 – 16:15	Flow applications	Hands-on session III	
16:15 – 16:30	Short break		
16:30 – 17:00	Cases III – non-ischemic CMP	- myocarditis - systemic disease	L Wong
17:00 – 17:30	Cases IV – malignancies	- abnormal structures	J Selder
17:30 – 18:00	Cases V – miscellaneous	- great vessels - pulm. hypertension	LJ Meijboom

