

Thursday, 1 February 2018

Sesion 6: Independent Validation

Moderator: Juerg Schwitter, Amadeo Chiribiri

8:00 AM	Microspheres as a myocardial perfusion reference standard	Anthony Aletras
8:15 AM	PET/MR	Henrik Engblom
8:30 AM	CMR Coronary Sinus Flow	Raquel Themudo
8:45 AM	Cath correlation, CFR, FFR, & IMR	Tushar Kotecha
9:00 AM	Phantom studies	Amedeo Chiribiri
9:15 AM	Simultaneous quantitative myocardial perfusion with hybrid PET-MRI imaging in a 3D printed phantom using gadolinium contrast and 13-N Ammonia	Muhummad Nazir
9:25 AM	Pattern of ischemic injury is modulated by coronary architecture: A quantitative CMR study	Nilesh Ghugre
9:35 AM	Splenic T2-Mapping: a Novel Method for the Assessment of Splenic Blood Flow during Adenosine Stress	Tommaso D'Angelo
9:45 AM	Quantitative perfusion in patients at high risk of coronary artery disease	Kristopher Knott
10:00 - 10:30 AM	Break	

Sesion 6: Open Questions in Ischemic Heart Disease

Moderator: James Moon, Subha Raman

10:30 AM	Do we need resting perfusion? (Absolute Stress Flow vs Flow reserve)	Juerg Schwitter
10:45 AM	How to monitor effective stress? is splenic cut-off reliable?	James Moon
11:00 AM	How to standardize measurements, display, and reporting?	Carlos Rochitte
11:15 AM	What are normal & disease values?	Louise Brown
11:30 AM	Exercise vs Pharmacological Stress	Subha Raman
11:45 AM	Differentiating between obstructive CAD and microvascular disease	Ingo Eitel

Sesion 4: Closing Session

Moderators: Peter Kellman, Sebastian Kozerke

12:00 PM	Consensus and next steps	Amadeo Chiribiri
12:15 PM	Panel Discussion	

Wednesday, 31 January 2018

Sesion 1: Physiologic and pathophysiologic regulation of coronary circulation

Moderators: Peter Kellman, Sebastian Kozerke

8:10 AM	Coronary artery and microvascular disease	Colin Berry
8:30 AM	Coronary circulation and microcirculation	Maria Siebes
8:50 AM	Biological mechanisms of Coronary Disease	Christian Matter
9:10 AM	Current status and where we fall short?	Eike Nagel
9:30 - 10:00 AM	Break	

Sesion 2: Perfusion Imaging

Moderators: Michael Salermo, Behzad Sharif

10:00 AM	How perfusion is done currently and current technical problems?	Tim Leiner
10:20 AM	Dark rim artifacts	Behzad Sharif
10:40 AM	Acquisition strategies and k-space sampling	Michael Salermo
11:00 AM	Ungated perfusion acquisition	Edward Dibella
11:20 AM	Discussion	
11:30 AM	Steady-State Pulsed Arterial Spin Labeling Is Faster and Provides Lower Variability for Quantification of Myocardial Perfusion Reserve in Mice Compared to Flow Alternating Inversion Recovery Look-Locker ASL	Sophia Cui
11:40 AM	Ultra-high spatial resolution spiral myocardial perfusion imaging with whole heart coverage at 3T	Yang Yang
11:50 AM	Simultaneous Multi Slice (SMS) SSFP first pass myocardial perfusion at 1.5 Tesla	Muhummad Nazir
12:00 - 1:00 PM	Lunch	

Sesion 3: Perfusion Quantification and Models

Moderators: Karl Kunze, Tobias Schaeffter

1:00 PM	Arterial Input Function	Peter Kellman
1:15 PM	Input function delay estimation	Michael Jerosch-Herold
1:30 PM	Tissue models	David Broadbent
1:45 PM	Other Tissue Parameter Estimates (MBV, PS, ECV)	Hui Xue
2:00 PM	Extracellular Volume	Karl Kunze
2:15 PM	of model parameters	Edward Dibella
2:30 PM	Computer simulation of cardiac perfusion	Andrew Cookson
2:45 PM	Discussion	
03:05 - 03:30 PM	Break	

Sesion 4: Non Contrast Methods

Moderators: Rohan Dharmakumar, Krishna Nayak

3:30 PM	Blood Oxygen Level Depend (BOLD)	Debiao Li
3:45 PM	Arterial Spin Labeling (ASL)	Krishna Nayak
4:00 PM	Native T1	Vanessa Ferreira
4:15 PM	Intravoxel Incoherent Motion Imaging (IVIM)	Magalie Viallon
4:30 PM	C02 challenge	Rohan Dharmakumar
4:45 PM	Discussion	
5:00 PM	Preliminary Comparison between Intravoxel Incoherent Motion (IVIM) imaging with Quantitative Myocardial First Pass Perfusion (FPP) and Extracellular Volume (ECV) Mapping	Christopher Nguyen
5:10 PM	Cardiac fMRI - A new approach for identifying myocardial oxygenation changes in the heart with unprecedented confidence	Hsin-Jung Yang
5:20 PM	Quantification of Native T1 Rest/Stress Reactivity without T1 Mapping: Towards a Noncontrast Surrogate Marker of Myocardial Blood Volume Reserve Using a Novel Gradient-Echo Hybrid 2D/3D Acquisition Scheme	Behzad Sharif
5:30 - 5:40 PM	Magnifying Myocardial BOLD Sensitivity Through Time-Resolved Imaging of Regadenoson Pharmacokinetics	Hsin-Jung Yang

Sesion 5: Poster Viewing and Reception

5:40 - 7:00 PM		
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