Session VI: Coronary MRA

10:40 11:30 COFFEE BREAK

11:30 11:40 Oral Tsutsumi Kuzuki
Central-Enhanced Compressed Sensing Coronary MRA: preliminary results
Shanghai Department of Radiology, Shanghai First People's Hospital

11:40 11:50 Oral Kato Kume
3D Whole-heart imaging with Orientation Independent 2D Image Navigators
London Siemens Healthcare Ltd.

11:50 12:00 Oral Nakas Fael
A Multi-Scale Variational Neural Network for Accelerating Free-breathing Whole-heart 3D Coronary MR Angiography
London KINGS COLLEGE LONDON

12:00 12:10 Oral Kishi Hirofumi
A Similitude-Based Matching Approach for Fast Reconstruction of Untriggered and Ungated Whole-Heart MRA
London King's College London

12:10 12:20 Oral Aurelien Bustin
3D Whole-Heart Sub-Millimeter Isotropic Respiratory Coronary MRA with Non-Rigid Motion-Compensated TSOI
Los Angeles Cedars-Sinai Medical Center

12:20 12:30 Oral Yimin Xue
Towards Single-Breath-Hold Whole-Heart Coronary MRA Via Cross-Domain Deep learning
Los Angeles Cedars-Sinai Medical Center

12:30 12:40 Vendor talks TBD
Vendor Power Pitch (2 min per silver/bronz)

12:40 12:50 Vendor talks TBD
Vendor Power Pitch (2 min per silver/bronz)

12:50 13:15 LUNCH & POSTER VIEWING

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Session VIII: Vessel Wall MRI (1/2)

10:40 11:30 COFFEE BREAK

11:30 11:40 Oral Super‐moderator: Daniel Slawson

11:30 11:50 Oral * Zhang Shi
Progression of Rupture Button on Intracranial Atherosclerosis Associated with Recurrent Stroke: A Follow-up Study by High-resolution Magnetic Resonance Imaging
Beijing Huamei Hospital, Beijing Anzhen Hospital, China National Cardiovascular Center

11:50 12:10 Oral Ellena Kozlo
Regional progression of carotid atherosclerotic plaque shows more interplaque hemorrhage in the Presence of HBI (VHBIAD) than
Maebashi KcNRMC

12:10 12:30 Oral * Zhang Shi
Effects of antiplatelet therapy increase the prevalence of interplaque hemorrhage in patients with advanced carotid artery lesions: snginal thral MIR imaging study
Shanghai Department of Radiology, Shanghai General Hospital, China

12:30 12:40 Oral * Zhang Shi
Radiographic characteristics of intracranial atherosclerotic plaque in vein: an initial study using high resolution MIR
Shanghai Department of Radiology, Shanghai General Hospital, China

12:40 12:50 Oral Forster Vinces
Determining the Number of Rake Specific Cels Required to image the General Population
Salt Lake City University of Utah

12:50 13:00 Oral * Shi
The assessment value of plaque enhancement intake multiphase molecular details in vessel control ieration based on 3D MIR vessel wall imaging
Shanghai Department of Radiology, Shanghai General Hospital, China

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Session VIII: Vessel Wall MRI (2/2)

10:40 11:30 COFFEE BREAK

11:30 11:40 Oral Changsheng Zhu
Wall enhancement on 3D Brain MIR as an independent predictor of symptomatic status of unruptured intracranial atherosclerosis
San Francisco University of California, San Francisco

11:40 11:50 Oral Jin Li
Co-existing Extracranial and Intracranial Artery Atherosclerotic Plaques Predict Future Cardiovascular Events: A MIR Vessel Wall Imaging Study
Shanghai Department of Radiology, Shanghai General Hospital, China

11:50 12:00 Oral Forster Vinces
In Vitro Vessel Wall Imaging: The key to Understanding the Role of Plaque in the Development of Carotid Stenosis
Salt Lake City University of Utah

12:00 12:20 Oral * Hui Zhao
Association between Interplaque Hemorrhage and Cautional Blood Flow in Patients with Carotid Modest to Severe Disease: A Multi-contrast MIR Vessel Wall Imaging Study
Shanghai Department of Radiology, Shanghai General Hospital, China

12:20 12:30 Oral * Fang Hui
Plaque burden of Carotid Atherosclerotic Disease Influence Cardiovascular Circulation
Salt Lake City University of Utah

12:30 12:40 Oral Forster Vinces
Deep learning for stenosis-inferior MIR Carotid Artery Wall Segmentation
Salt Lake City University of Utah

12:40 12:50 Oral Forster Vinces
Quantitative Assessment of Central Aneurysms on Vessel Wall Imaging MIR
Salt Lake City University of Utah

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Session IX: 4D-FLOW MRA in the Aorta (1/2)

10:40 11:30 COFFEE BREAK

10:40 10:50 Oral * Emilie Bollache
Feasibility and wall shear stress quantification accuracy of compressed sensing aortic 4D flow MRA: a dual-center, dual-field strength (1.5, 3T) study
Chicago Northwestern University

10:50 10:52 Oral * Adrian Fernandes
Highly accelerated compressed sensing 4D flow for evaluation of aorta hemorrhage
Chicago Northwestern University

10:52 11:00 Oral * Adnaa Halabi
Aortic stenosis in women and its potential value of wall shear stress quantification assessed by 4D MRA
Chicago Northwestern University

11:00 11:02 Oral Lisong Dong
Optimization of Technical Factors for Contrast Enhanced 4D MRA for Thrombosis Detection
San Francisco University of California, San Francisco

11:02 11:10 Oral * Xuanwen Hu
A preliminary study on the evaluation of flow in the aorta using 4D flow MRA in patients with aortic dissection
San Francisco University of California, San Francisco

11:10 11:12 Oral * Jinfeng Ge
4D phase contrast MRI study of the hemodynamic changes in the aorta and its branches before and after endovascular treatment of the aortic diseases
San Francisco University of California, San Francisco

11:12 11:14 Oral * Mohammad ALI Elas
Application of HIFU Technique for Carotid Artery Stenosis: Initial Experience
Chicago Northwestern University

11:14 11:20 Oral * Hui Wang
Imaging the Circle of Willis with 3D Time of Flight MRA – A Comparison between Spiral and Cartesian Acquisitions at 1.5T
Cincinnati Philips Healthcare

11:20 11:22 Oral * Ying Jin
Gold Sponsor Presentation: Intracranial: Advances in Flow Imaging

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Session X: 4D-FLOW MRA in the Aorta (2/2)

10:40 11:30 COFFEE BREAK

10:40 10:50 Oral Kelly Jarvis
4D Flow MRI–derived Pulse Wave Velocity Characterization in the Normal Aorta
Chicago Northwestern University

10:50 10:52 Oral Amirhossein Mozafarykhamseh
Effect of beta-blocker therapy on aortic 3D haemodynamics in patients with bicuspid aortic valve
Chicago Northwestern University

11:00 11:10 Oral Nicholas Burris
Anatomic and Hemodynamic Predictors of False Lumen Growth Rate Among Patients with Medically Managed Type B Aortic Dissections
Chicago Northwestern University

11:10 11:20 Oral Xuewen Hou
Assessment of Pulmonary Artery Stiffness in Patients With Heart Failure Using Cardiac Magnetic Resonance Imaging
Chicago Northwestern University

11:20 11:30 Oral * Frida Solberg
4D Flow MRI-derived Flow Waveform and Flow Velocity Imaging in Pulmonary Artery Stenosis
Chicago Northwestern University

11:30 11:40 Oral * Nicholas Burris
Aortic dissection and the role of repeated 4D Flow MRA in the diagnosis of aortic dissection
Chicago Northwestern University

11:40 11:50 Oral * Eddie McAlpine
Aortic root morphology: a novel concept for the evaluation of abdominal blood flow dynamics in aortic valve disease
Chicago Northwestern University

11:50 12:00 Oral * James Carr
Gold Sponsor Presentation: 4D Contrast Use for Cardio MR
Chicago Northwestern University

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Session XI: Point Counterpoint: Which do we need more than vascular luminal imaging: plaque or flow imaging?

10:40 11:30 COFFEE BREAK

11:30 11:40 Oral Eline Kooi
Start of antiplatelet therapy increases the prevalence of intraplaque hemorrhage in patients with advanced carotid artery lesions: a longitudinal MR imaging study
University of Utah Salt Lake City

11:40 11:42 Oral Zhan I
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11:42 11:44 Oral P
11:44 11:46 Oral Point Counterpoint: Which do we need more than vascular luminal imaging: plaque or flow imaging?

Friday, August 30, 2019
Session XI: Contrast MRA

13:45 - 13:50 Super-moderator Paul Finn
13:50 - 13:55 Oral * Alyssa Singer Efficacy of Gadoterate Meglumine enhanced MRA in evaluating thoracic aortic diseases compared with Gadobutrol enhanced MRA

13:50 - 14:00 Oral * Jeffrey Adabi Evaluation of Contrast Dynamics in the Auerian German Swine as Applied to CE-MRA: a Study using 4 Different Gadolinium Contrast Agents

14:00 - 14:10 Oral * Sokratis Stoumpos Ferumoxytol MR Angiography vs Doppler US for vascular mapping before haemodialysis arteriovenous access creation

14:10 - 14:20 Oral * Yajie Wang The Effect of the Injection Dose, Rate and Concentration on Carotid Dynamic Contrast-Enhanced MRI: a Simulation Study

14:20 - 14:30 Oral * Sokratis Stoumpos Ferumoxytol MR Angiography vs Doppler US for vascular mapping before haemodialysis arteriovenous access creation

14:30 - 14:40 Oral * Arash Bedaya Ferumoxytol-Enhanced MRA for Evaluation of the Pulmonary Vascular Network

14:40 - 14:45 Oral Posterg* Bum-soo Kim Correlation based perfusion mapping using low-dose time-resolved contrast enhanced MRA. Preloaded contrast media does not affect its image quality

Panel/Counterpoint: We should care about gadolinium retention

14:45 - 15:00 Moderators Olivier Clement

15:00 - 15:15 Oral Kevin de Marco Towards Automated Cranial 4D Flow Cranial Analysis

15:15 - 15:30 Oral * Leonard de Marco Multi-scale brain pulsatility assessment using accelerated spiral MRI initial feasibility

15:30 - 15:40 Oral Vitaliy Rayz Multi-Modality Flow Analysis in Cerebral Aneurysms: Mass Conservation in 4D Flow and CFD Data

15:40 - 15:45 Oral Olivier Baldeyrot Image processing of Phase contrast Magnetic Resonance Imaging to investigate cerebral blood flows

Closing Session

15:45 - 15:50 Jean-Michel Serfaty Acknowledgement and Thank You to SMRA Secretariat and Local Organizing Committee

15:50 - 16:00 Philippe Druart Presentation of the Potchen Award and Passariello Awards

16:00 - 16:15 Gérez Roditi Announcement of and Invitation to the 2020 SMRA Meeting

* Trainee competing for Potchen or Passariello Award