

8:45	9:15	Pleamry	Nassir	Navab	AI : Impact on clinicians, patients health care, business opportunities
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Session I: Emerging Techniques in WIRA / 4D flow / IA (1/2)				
9:15	9:20	Super-moderator	TRD	Introduction

11:15	11:20	Super-moderator	IBD	Introduction		
11:20	11:30	Oral	Michael Scott	Deep learning for fully automated preprocessing and 3D segmentation of aortic 4D flow MRI	Chicago	Northwestern University

12:40	13:45	LUNCH & POSTER VIEWING
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13:45	13:50	Super-moderator	TBD	Introduction		
13:50	14:00	Q&A	Allyse	Yasme Coomes	Free Breathing Fast Flow: A Novel Chest Occlusion Intermittent Flow: Selection MR Angiography for Improved Detection of Vascular Changes in the Pelvis and Abdomen	Chengchen
						Medical University of South Carolina

2470	2470	Scott	Resnick	pro
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15:30	15:40	Oral	Carson	Hoffman	4D Flow MRI and Doppler Wire Arterial Flow Analysis Pre-/Post- Liver Embolization in Swine	Madison	University of Wisconsin Madison
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Introduction & Welcome	Introduction
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8:45	9:15	Pleanty	Howard	Chrisman	Value of imaging from a health system perspective: a world perspective
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9:20	9:30	Oral	Haikun	Qi	Free-running 3D Joint Myocardial T1 and T2 Mapping with Whole-heart Coverage and Isotropic Spatial Resolution	London	King's College London
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10:40	11:10	COFFEE BREAK
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12:30	12:40	Vendor talks	TBD	Vendor Power Pitch (2 min per silver / bronze sponsor)
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Session VII: Vessel Wall MRI (1/2)							
13:45	13:50		Super-moderator	TBD	Introduction		
13:50	14:00	Oral	Zhang	Shi	Progression of Plaque Burden on Intracranial Atherosclerosis Associated with Recurrent Stroke: A Follow-up Study by High-resolution Magnetic Resonance Imaging	Shanghai	Department of Radiology, Changhai Hospital, Shanghai, China
14:00	14:10	Oral	Genevieve	Crombag	Proximal region of carotid atherosclerotic plaque shows more intraplaque hemorrhage: the Plaque At RISK (PARISK) study	Maastricht	MUMC+
14:10	14:20	Oral	Genevieve	Crombag	Start of antiplatelet therapy increases the prevalence of intraplaque hemorrhage in patients with advanced carotid artery lesions: a longitudinal MR imaging study	MUMC+	
14:20	14:22	Oral Poster	Mueez	Aizaz	Performance of a dedicated carotid PET/MRI coil	Heerlen	Department of Radiology and Nuclear Medicine, Maastricht University Medical Center
14:22	14:24	Oral Poster	Zhang	Shi	Radiomic characteristics of intracranial atherosclerotic plaques in vitro: an initial study using high resolution MRI	Shanghai	Department of Radiology, Changhai Hospital, Shanghai, China
14:24	14:26	Oral Poster	Rock	Hadley	Determining the Number of Neck Shape-Specific Coils Required to Image the General Population	Salt Lake City	University of Utah
14:26	14:28	Oral Poster	Vance	Lehman	Intracranial Vessel Wall Imaging of Cerebral Amyloid Angiopathy and Cerebral Amyloid Angiopathy-Related Inflammation	Rochester	Mayo Clinic
14:28	14:30	Oral Poster	Bin	Cui	The assessment value of plaque enhancement load of multiple cerebrovascular beds in new cerebral infarction based on 3D MR vessel wall imaging	beijing	Peking university aerospace clinical college of medicine
Point-Counterpoint: Which do we need more than vascular luminal imaging: plaque or flow imaging?							
14:30	15:00		Moderators	David Saloner			
		M.E.	Kooi	plaque			
		Mike	Hope	flow			
COFFEE BREAK							
15:00	15:30						
Session VIII: Vessel Wall MRI (2/2)							
15:30	15:40	Oral	Chengcheng	Zhu	Wall enhancement on black blood MRI is an independent predictor of symptomatic status of unruptured intracranial saccular aneurysm	San Francisco	University of California, San Francisco
15:40	15:50	Oral	Jin	Li	Co-existing Extracranial and Intracranial Artery Atherosclerotic Plaques Predict Future Cardiovascular Events: A MR Vessel Wall Imaging Study	Nanjing	Nanjing Medical University
15:50	16:00	Oral	Huulin	Zhao	Is It Necessary for Patients with Internal Carotid Artery Occlusion to Undergo 3D Head-neck MR Vessel Wall Imaging before Endovascular Revascularization?	Shanghai	Renji Hospital, Shanghai Jiao Tong University School of Medicine
16:00	16:02	Oral Poster	Ran	Huo	Association between Intraplaque Hemorrhage and Ipsilateral Cerebral Blood Flow in Patients with Carotid Moderate to Severe Stenosis: A Multi-contrast MR Vessel Wall Imaging Study	beijing	Peking University Third Hospital
16:02	16:04	Oral Poster	Huimin	Xu	Plaque Burden of Carotid Atherosclerotic Stenosis Influences Collateral Circulation	Beijing	Radiology department of Peking University Third Hospital
16:04	16:06	Oral Poster	Anna	Danko	Deep Learning for Domain-invariant MR Carotid Artery Wall Segmentation	Calgary	University of Calgary
16:06	16:08	Oral Poster	Matthew	Alexander	Quantitative Assessment of Cerebral Aneurysms on Vessel Wall Imaging MRI	Salt Lake City	University of Utah
Head and Neck							
16:10	16:12	Oral Poster	Laura	Eisenmenger	Vessel Wall Imaging in Previously Unruptured, Untreated Brain Arteriovenous Malformations	Madison	University of Wisconsin - Madison
16:12	16:14	Oral Poster	Karthikeyan	subramanian	Assessing MS Lesions with Ferumoxytol enhanced Susceptibility Weighted FLAIR	Ferndale	Wayne State University
16:14	16:16	Oral Poster	Bing	Tian	Compare the Characteristics of Different Types Spontaneous Intracranial Artery Dissection on High Resolution MRI Vessel Wall Imaging	Shanghai	
16:16	16:18	Oral Poster	Xiaomeng	Wu	An automatic grading method for severity of white matter lesions	Beijing	Beijing Institute of Technology
16:18	16:20	Oral Poster	Keiji	Igase	Application of ASL Technique for Carotid Artery Stenosis: Initial Experience	Matsuyama	Ehime University
16:20	16:22	Oral Poster	Hui	Wang	Imaging the Circle of Willis with 3D Time of Flight MRA – A Comparison between Spiral and Cartesian Acquisition at 1.5T	Cincinnati	Philips Healthcare
16:22	16:32	Vendor talk	Ning	Jin	Gold Sponsor Presentation Siemens: Advances in flow imaging		
Technical Challenges							
16:30	17:15		Moderators	Wiro Niessen, Giles Roditi			

Friday, August 30, 2019									
Introduction & Welcome									
8:30	8:40	Introduction							
8:40	8:45	Opening Remarks							
Invited Plenary 3									
8:45	9:15	Pleamry	Jean-Pierre	Pruvot	Politics and lobbying: getting an imaging technique where it should be				
Session IX: 4D-FLOW MRA in the Aorta (1/2)									
9:15	9:20		Super-moderator	TBD	Introduction				
9:20	9:30	Oral	Sophia	Houriez-Gombaudo-Saintonge	4D Flow MRI Quantification of Flow Disorganization in Aging and Aortic Dilation	PARIS	Laboratoire d'Imagerie Biomedicale		
9:30	9:40	Oral	Emilie	Bollache	Feasibility and wall shear stress quantification accuracy of compressed sensing aortic 4D flow MRI: a dual-center, dual-field strength (1.5, 3T) study	Paris	Laboratory of Biomedical Imaging, Sorbonne Universite / Inserm		
9:40	9:50	Oral	Asthitha	Pathrose	Highly accelerated compressed sensing 4D flow for evaluation of aortic hemodynamics	Chicago	Northwestern University		
9:50	10:00	Oral	Ariel Fernando	Pascaner	Arterial stiffness in bicuspid or tricuspid aortic valve aortopathy assessed by 4D flow MRI	Ciudad Autónoma de Buenos Aires	Universidad Favaloro		
10:00	10:02	Oral Poster	LIRONG	YIN	Optimisation of Technical Factors for Contrast Enhanced MRA for Thoracic Outlet Syndrome	Singapore	Singapore General Hospital		
10:02	10:04	Oral Poster	Bradley	Allen	In vitro 4D Flow MRI high and low velocity encoding strategies corroborate in vivo 4D flow hemodynamics in the false lumen of type B aortic dissection patients	Madison	University of Wisconsin-Madison		
10:04	10:06	Oral Poster	Benoit	Cosset	4D phase-contrast MRI study of the hemodynamic changes in the aorta and its branches before and after endovascular treatment of the aortic dissection	Bron	Univ Lyon, INSA-Lyon, UCBL 1, CNRS, Inserm, CREATIS UMR S220, U1206		
10:06	10:08	Oral Poster	Mohammed S.M.	Elbaz	4D Hemodynamic Signatures: A novel concept for the evaluation of abnormal flow dynamics in aortic valve disease	Chicago	Northwestern University		
10:10	10:20	Vendor talk	TBD		Gold Sponsor Presentation Bayer				
10:20	10:55	COFFEE BREAK							
Session X: 4D-FLOW MRA in the Aorta (2/2)									
10:55	11:15	Oral	Kelly	Jarvis	4D Flow MRI-derived Pulse Wave Velocity Characterization in the Normal Aorta	Chicago	Northwestern University		
11:05	11:15	Oral	Amirhossein	Mozafarykhamseh	Effect of beta-blocker therapy on aortic 3D hemodynamics in patients with bicuspid aortic valve	Chicago	Northwestern University		
11:15	11:25	Oral	Bouaou	Kevin	Pressure and Flow Interplay in Aortic Dilation using 4D Flow Magnetic Resonance Imaging	Paris	Sorbonne Université		
11:25	11:35	Oral	Nicholas	Burris	Anatomic and Hemodynamic Predictors of False Lumen Growth Rate Among Patients with Medically Managed Type B Aortic Dissection	Ann Arbor	University of Michigan		
11:35	11:45	Oral	Thomas	Dietenbeck	3D MRI morphometric changes in ascending thoracic aortic aneurysm: going beyond diameters	Paris	Laboratoire d'Imagerie Biomedicale		
11:45	11:47	Oral Poster	Hanieh	attari	Chest Wall Deformity from Tissue Expanders Identified on Chest MR Angiography of Perforator Flap Angiography studies	SUNNYSIDE	Weill Cornell Medicine		
11:47	11:49	Oral Poster	Xuewen	Hou	Assessment of Pulmonary Artery Stiffness in Patients With Heart Failure Using Cardiac Magnetic Resonance	Berlin	Charité University Medicine Berlin and German Heart Institute Berlin		
11:49	11:51	Oral Poster	Ethan	Johnson	Correlations between cardiothoracic MRI and external seismocardiogram recordings	Evanston	Northwestern University		
11:51	12:01	Vendor talk	TBD		Gold Sponsor Presentation Guerbet				
Point-Counterpoint: MR venography and thrombus MR imaging: useful or not?									
12:00	12:30		Moderators	Francine Touveny, Martin Prince					
		Giles	Roditi	pro					
		Jean-Fancois	Heautot	con					
12:30	12:40	TBD		Challenging Clinical Case					
LUNCH & POSTER VIEWING									

Session XI: Contrast MRA							
13:45	13:50		Super-moderator	TBD	Introduction		
13:50	14:00	Oral	Alyssa	Singer	Efficacy of Gadoterate Meglumine enhanced MRA in evaluating thoracic aorta diseases compared with Gadobutrol enhanced MRA.	Buffalo Grove	Northwestern
14:00	14:10	Oral	Liliana	Ma	5D flow MRI for Cardiac Motion-resolved 3D hemodynamics using Gadoterate Meglumine and Ferumoxytol	Chicago	Northwestern University
14:10	14:20	Oral	Jeffrey	Maki	Evaluation of Contrast Dynamics in the Juvenile German Swine as Applied to CE-MRA: a Study using 4 Different Gadolinium Contrast Agents	Aurora	University of Colorado
14:20	14:30	Oral	Sokratis	Stoumpos	Ferumoxytol MR Angiography vs Doppler US for vascular mapping before haemodialysis arteriovenous access creation	Glasgow	Queen Elizabeth University Hospital
14:30	14:40	Oral	Arash	BEDAYAT	Ferumoxytol-Enhanced MRA for Evaluation of the Pulmonary Vascular Network	Los Angeles	University of California, Los Angeles
14:40	14:42	Oral Poster	Yajie	Wang	The Effect of the Injection Dose, Rate and Concentration on Carotid Dynamic Contrast-Enhanced MRI: a Simulation Study	Beijing	Tsinghua University
14:42	14:44	Oral Poster	Bum-soo	Kim	Correlation based perfusion mapping using low-dose time-resolved contrast enhanced MRA: Preloaded contrast media does not affect its image quality	Seoul	Seoul St.Mary's Hospital, The Catholic University of Korea
Point-Counterpoint: We should care about gadolinium retention							
14:45	15:15		Moderators	Olivier Clement			
			Mitsue	Miyazaki	pro		
			Jeff	Maki	con		
15:15	15:45	COFFEE BREAK					

Session XII: Head and Neck MRA							
15:45	15:50		Super-moderator	TBD	Introduction		
15:50	16:00	Oral	Romain	Bourcier	MRI Quantitative T2* Mapping to Predict Dominant Composition of In Vitro Thrombus	nantes	CHU de Nantes
16:00	16:10	Oral	Carson	Hoffman	Towards Automated Cranial 4D Flow Cranial Analysis	Evanston	NorthShore University HealthSystem
16:10	16:20	Oral	Leonardo	Rivera Rivera	Multi-scale brain pulsatility assessment using accelerated spiral MRI: Initial Feasibility	Madison	University of Wisconsin Madison
16:20	16:30	Oral	Vitaliy	Rays	Multi-Modality Flow Analysis in Cerebral Aneurysms: Mass Conservation in 4D Flow and CFD Data	Madison	University of Wisconsin-Madison
16:30	16:40	Oral	Olivier	Baledent	Image processing of Phase contrast Magnetic Resonance imaging to investigate cerebral blood flows	West Lafayette	Purdue University
Closing Session							
16:40	17:40				Awards, Thank You, 2010 SMRA conference	Amiens	University hospital