

12th SPR Advanced Symposium on Cardiovascular Imaging

October 14-16, 2016

Texas Children's Pavilion for Women

4th Floor Conference Center

FRIDAY, OCTOBER 14		
7:30 – 8 a.m.	Breakfast	
8 – 8:05 a.m.	Welcome	Rajesh Krishnamurthy
Inaugural Lecture		
8:05 – 8:30 a.m.	Why do Surgical Approaches Differ between Centers Today?	Charles Fraser
Focus Session I	Aortopathy	
<i>Moderator</i>	<i>Andrew Powell</i>	
8:35 – 8:55 a.m.	Imaging Manifestations of genetically Mediated Aortic Disease: Beyond Marfan's Syndrome	Shaine Morris
8:55 – 9:15 a.m.	4D Flow in Marfan's and Loeys Dietz Syndrome	Joshua Robinson
9:15 – 9:35 a.m.	Arterial Stiffness and Relation to Outcomes in Aortic Disease	Ashwin Prakash
9:35 – 9:55 a.m.	Current Surgical Management of Aortic Dilation in Children	Dean McKenzie
9:55 – 10:15 a.m.	Discussion	
10:15 – 10:35 a.m.	BREAK	
Evolving Concepts	Ventricular-Vascular Interaction and Myocardial Energetics	
<i>Moderator</i>	<i>Vivek Muthurangu and Michael Taylor</i>	
10:35 – 10:55 a.m.	Ventricular Vascular Interaction in CHD	Daniel Penny
10:55 – 11:15 a.m.	Assessment of Ventricular Vascular Interaction by MRI	Vivek Muthurangu
11:15 – 11:35 a.m.	RV Myocardial Energetics and Efficiency	Christopher Francois
11:35 – 11:55 a.m.	Serial Biomechanical Evaluation of Single Ventricle	Cory Noel
11:55 a.m. – 12:10 p.m.	Discussion	
12:10 – 1 p.m.	LUNCH	
Focus Session 2:	Myocardial Disease	
<i>Moderator</i>	<i>Lars Grosse-Wortmann</i>	
1 – 1:20 p.m.	Myocardial Characterization Techniques: Recent Advances	Lars Grosse Wortmann
1:20 – 1:40 p.m.	CMR in Anthracycline Cardiotoxicity	Kan Hor
1:40 – 2 p.m.	Post-Transplant Evaluation by CMR	Michael D. Taylor
2 – 2:20 p.m.	MRI of Pediatric Myocarditis: Multi-Institutional Study Results	Puja Banka
2:20 – 2:40 p.m.	Discussion	
2:40 – 3 p.m.	BREAK	
Looking to the Future	The Role of Big Data in Pediatric CMR	
<i>Moderator</i>	<i>Rajesh Krishnamurthy, Shi Joon Yoo</i>	
3 – 3:05 p.m.	The Need for Big Data	Rajesh Krishnamurthy
3:05 – 3:25 p.m.	How do we Determine the Value of CMR in Children?	Willem Helbing
3:25 – 3:45 p.m.	Setting Up a Pediatric CMR Registry: How can the ACR Help?	Etta Pisano
3:45 – 4:05 p.m.	Setting Up a CMR Registry: Lessons from the Adult Side	Kevin Steel
<i>Critical Questions and Essential Elements of a Pediatric CMR Registry</i>		
4:05 – 4:20 p.m.	Myocardial Disease	Lars Grosse Wortmann
4:20 – 4:35 p.m.	s/p TOF Repair	Tal Geva
4:35 – 4:55 p.m.	BREAK	

4:55 – 5:10 p.m.	s/p TGA Repair	Emanuela Valsangiocomo
5:10 – 5:25 p.m.	Single Ventricle Palliation	Mark Fogel
5:25 – 5:40 p.m.	Post Fontan	Rahul Rathod
5:40 – 5:55 p.m.	CT: Preoperative Planning in Neonates and Infants	Cynthia Rigsby
5:55 – 6:15 p.m.	Discussion	
7 – 10 p.m.	Dinner for Faculty	

SATURDAY, OCTOBER 15

Opening Session		
6:30-7 a.m.	Breakfast	
7 – 8 a.m.	Morphology Session with 3D Printed Models: DORV in your Hands	Shi Joon Yoo
Clinical Imaging Update I:	Imaging and Surgery	
<i>Moderator</i>	<i>Tal Geva</i>	
8 – 8:20 a.m.	Imaging-Surgery Correlation and Outcomes in Tetralogy of Fallot	Shiraz Maskatia
8:20 – 8:40 a.m.	Borderline LV: Role of MRI in Surgical Decision making	Andy Powell
8:40 – 9 a.m.	Decision Making in Fontan Surgery with MRI	Tim Slesnick
9 – 9:20 a.m.	Discussion	
9:20 – 9:40 a.m.	BREAK	
Technical Update	New Tools: What is on the Horizon for Pediatric Cardiovascular Imaging?	
<i>Moderator:</i>	<i>Taylor Chung</i>	
9:40 – 10 a.m.	Volumetry and Vascular Metrics with 3D Data	Ramkumar Krishnamurthy
10 – 10:20 a.m.	Fast Imaging	Shreyas Vasanaawala
10:20 – 10:40 a.m.	Pulmonary Vascular Resistance	Christopher Francois
10:40 – 11 a.m.	Diastology	Raja Muthupillai
11 – 11:20 a.m.	iCMR	Vivek Muthurangu
11:20 – 11:40 a.m.	MR Exercise Training and Testing in CHD	Willem Helbing
11:40 a.m. – 12:05 p.m.	Discussion	
12:05 – 1:05 p.m.	LUNCH	
State of the Art	Fetal/Perinatal Imaging of CHD	
<i>Moderators:</i>	<i>Michael Seed, Shaine Morris</i>	
1:05 – 1:25 p.m.	Brain Protection in CHD and Neurodevelopmental Outcomes	Dean Andropoulos
1:25 – 1:45 p.m.	Flow Hemodynamics in Fetal CHD	Mike Seed
1:45 – 2:05 p.m.	Genetic Damage from MR Imaging: What do we know?	Vijayalaxmi
2:05 – 2:15 p.m.	Discussion	
2:15 – 2:30 p.m.	BREAK	
Works in Progress		
<i>Moderator:</i>	<i>Willem Helbing</i>	
2:30 – 2:50 p.m.	Cincinnati	Michael D. Taylor
2:50 – 3:10 p.m.	Michigan	Adam Dorfman
3:10 – 3:30 p.m.	Dallas	Gerald Greil
3:30 – 3:50 p.m.	Stanford	Shreyas Vasanaawala
3:50 – 4:10 p.m.	Philadelphia	Mark Fogel
4:10 – 4:30 p.m.	Discussion	
4:30 – 4:45 p.m.	BREAK	

Wine & Cheese Debate		
4:45 – 5:45 p.m.	Debate: Should we Change the Way we Practice Pediatric CMR Today?	
<i>Moderator:</i>	<i>Krishnamurthy/Valsangiocomo</i>	
Unsupervised, Free-Breathing, Standardized, 15 minute, Point of Care CMR		Vivek Muthurangu Shreyas Vasanawala Annie Garcia (parent)
Versus		
Comprehensive, Supervised, Targeted Studies with Respiratory Control		Andrew Powell Mark Fogel Lars Grosse-Wortmann
5:45 – 6:30 p.m.	Reception	

SUNDAY, OCTOBER 16

Hands-on Early Bird Session

6:30 – 7 a.m.	Breakfast	
7 – 7:50 a.m.	Osirix for CV Imaging	Vivek Muthurangu
Clinical Imaging Update 2:	Coronary Imaging	
<i>Moderator</i>	<i>Cynthia Rigsby</i>	
8 – 8:20 a.m.	Coronary MRA: Recent Advances	Taylor Chung
8:20 – 8:40 a.m.	Evaluation of Kawasaki disease by MRI	Tarique Hussain
8:40 – 9 a.m.	CTA-Surgery Correlation in AAOCA	Prakash Masand
9 – 9:20 a.m.	MR Stress Perfusion in Coronary Anomalies	Cory Noel
9:20 – 9:40 a.m.	Coronary flow reserve in pediatric coronary anomalies	Athar Qureshi
9:40 – 10 a.m.	Standardized Approach to AAOCA Management	Carlos Mery
10 – 10:30 a.m.	Case Presentation and Discussion of AAOCA	Mery/Krishnamurthy
10:30 – 11 a.m.	BREAK	

Young Imagers Session

<i>Moderators:</i>	<i>Gordon Culham, Ladonna Malone</i>	
11 – 11:15 am.	Best Poster Presentation	
11:15 – 11:30 a.m.	Best Case Submission	
11:30 a.m. – noon	Discussion and Wrap-Up	