

THE 20TH SPR HANDS-ON COURSE ON PEDIATRIC CARDIOVASCULAR MRI**October 15-17, 2024**

Course Directors: Dr. Chris Lam, Dr. Israel Valverde

Organizational Coordination: Caroline Robertson, Sue Morton, Jaclyn Durham

Tuesday, October 15, 2024

07:30-08:00	Registration and Breakfast	All Attendees and Faculty
08:00-10:00	Foundation I	
08:00-08:15	Welcome and Introduction	Chris Lam, Isra Valverde
08:15-09:00	Normal Cardiac Anatomy (with models?)	Shi-Joon Yoo
09:00-09:45	Segmental Approach	Karen Lyons
09:45-10:00	Discussion	All Faculty
10:00-10:30	Break	
10:30-12:00	Foundation II: Basic MR physics and CV hemodynamics/surgeries	PANEL Q/A
	Basic MRI Physics for Beginners (flipped classroom)	Chris Macgowan
	Practical CMR Physics (flipped classroom)	Taylor Chung
	Basics of Cardiac Function and Hemodynamics (flipped classroom)	Luc Mertens
	Common CHD Surgeries for the Cardiac Imager (flipped classroom)	Mike Seed
12:00-13:00	Lunch	All Attendees and Faculty
13:00-15:00	Foundation III	
13:00-13:30	CMR Ventricular Functional Assessment 101	Lorna Browne
13:30-14:00	CMR Blood Flow Assessment 101	Isra Valverde
14:00-14:30	Number Games with CMR Data	Vivek Muthurangu
14:30-15:00	Discussion	All Faculty
15:00-15:30	Break	
15:30-17:00	Foundation IV	
15:30-16:00	MR Angiography 101	Rajesh Krishnamurthy
16:00-16:30	Tissue Characterization: LGE and Mapping 101	Andrada Popescu
16:30-17:00	Discussion	All Faculty
18:00-21:00	Welcome Dinner	All Attendees and Faculty

Wednesday, October 16, 2024

07:30-08:00	Breakfast	All Attendees and Faculty
08:00-08:30	Group Organization	Chris Lam, Isra Valverde
08:30-12:00	Group 1: Hands-On	
8:30-12:00	Group 1: Interactive MR Scanning	Valverde, Rigsby, Chung, Seed
08:30-12:00	Groups 2 & 3: Foundation V	
8:30-9:00	MR Evaluation of Repaired Tetralogy of Fallot	David Biko
9:00-9:30	MR Evaluation of Single Ventricle Repair	Chris Lam
9:30-10:00	Break	
10:00-10:30	MR Evaluation of Valvular Heart Diseases	Josh Robinson
10:30-11:00	MR Evaluation of Cardiomyopathies	Prakash Masand
11:00-11:30	Putting It All Together and Creating a Report	Brian Fonseca
11:30-12:00	Discussion	All Faculty
12:00-13:00	Lunch	All Attendees and Faculty
13:00-16:30	Groups 1-3: Hands-On	
	Group 1: Hands-On Post-Processing	Yoo, Masand, Krishnamurthy, Lyons, Muthurangu
	Group 2: Interactive MR Scanning	Valverde, Rigsby, Chung, Seed
	Group 3: Case Studies / Q&A / Open Discussion	Culham, Robinson, Browne, Biko, Popescu
16:30-17:00	End of Day Discussion	All Attendees and Faculty
18:30-20:30	Optional Cardiac Morphology Session: "Beer and Models"	Shi-Joon Yoo

Thursday, October 17, 2024

08:00-08:30 Breakfast

All Attendees and Faculty

08:30-12:00

Groups 1-3: Hands-On

Group 1: Case Studies / Q&A / Open Discussion
Group 2: Hands-On Post-Processing
Group 3: Interactive MR Scanning

Culham, Robinson, Browne, Biko, Popescu
Yoo, Masand, Krishnamurthy, Lyons, Muthurangu
Valverde, Rigsby, Chung, Seed

12:00-13:00

Lunch

All Attendees and Faculty

13:00-16:30

Group 1: Foundation V

13:00-13:30 MR Evaluation of Repaired Tetralogy of Fallot
13:30-14:00 MR Evaluation of Single Ventricle Repair

David Biko
Chris Lam

14:00-14:30

Break

14:30-15:00

MR Evaluation of Valvular Heart Diseases

Josh Robinson

15:00-15:30

MR Evaluation of Cardiomyopathies

Prakash Masand

15:30-16:00

Putting It All Together and Creating a Report

Brian Fonseca

16:00-16:30

Discussion

13:00-16:30

Groups 2-3: Hands-On Parallel Sessions

Group 2: Case Studies / Q&A / Open Discussion
Group 3: Hands-On Post-Processing

Culham, Browne, Popescu
Yoo, Krishnamurthy, Lyons, Muthurangu

16:30-17:00

Extended Discussions / Q&A

All Attendees and Faculty

17:00-17:15

Evaluation and Feedback on the Course / Adjourn

All Attendees and Faculty



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