

THE 18TH SPR ADVANCED SYMPOSIUM ON PEDIATRIC CARDIOVASCULAR IMAGING

October 18-20, 2024

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

Organizational Coordination: Caroline Robertson, Sue Morton, Jaclyn Durham

Friday, October 18, 2024

07:30-08:00 Registration and Breakfast

All Attendees and Faculty

08:00-08:15 Opening Remarks

Chris Lam, Isra Valverde / Birgit Ertl-Wagner, Mike Seed

08:15-09:30 Fetal Cardiac Imaging

08:15-08:35 What's new in fetal cardiology?

08:35-08:55 Techniques in fetal CMR: 2024 update

08:55-09:15 Emerging clinical role of fetal CMR

09:15-09:35 Fetal CMR in complex congenital heart disease

09:35-09:55 Discussion

Moderators: Mike Seed, Lorna Browne

Lindsay Freud

Joshua van Amerom

David Lloyd

Lorna Browne

09:55-10:20 Break

10:20-12:00 Advanced Imaging and Modeling in CHD

10:20-10:40 3D printing, VR, XR, and beyond

10:40-11:00 Accuracy of 4D flow for clinical use: critical review

11:00-11:20 Modeling of coronary biomechanics and flow in AAOCA

11:20-11:40 Advances in CFD for pediatric and congenital heart disease

11:40-12:00 Discussion

Moderators: Shiraz Maskatia, Shi-Joon Yoo

Isra Valverde

Josh Robinson

Rajesh Krishnamurthy

Mark Fogel

12:00-13:00 Lunch

All Attendees and Faculty

13:00-14:40 CMR Surveillance and Outcomes

13:00-13:20 Are CMR parameters really reliable for PVR decision-making?

13:20-13:40 Role of CMR in risk stratification of hypertrophic cardiomyopathy

13:40-14:00 Why CMR for Heritable Thoracic Aortic Diseases?

14:00-14:20 Contemporary use of CMR to guide management of pulmonary hypertension

14:20-14:40 Discussion

Moderators: Tarique Hussain, Mark Fogel

Sonya Babu-Narayan

Lars Grosse-Wortmann

Gauri Karur

Uyen Truong

14:40-15:00 Break

15:00-16:00 Keynote Speaker with Panel Discussion

15:00-15:10 Introduction

15:10-15:40 Evolution of cardiac MR techniques

15:40-16:00 Panel Discussion

Shi-Joon Yoo

Taylor Chung

Rigsby, Grosse-Wortmann, Krishnamurthy, Muthurangu

16:00-16:30 Break

16:30-17:30 CMR Jeopardy/Quiz

Team 1 Shiraz Maskatia, LaDonna Malone, Prakash Masand, Rebecca Beroukhim

Team 2 Mark Fogel, Laura Acosta-Izquierdo, Uyen Truong, Pablo-Caro Dominguez

Host: Isra Valverde

18:30-22:00 Faculty Dinner

All Faculty

Saturday, October 19, 2024

07:30-08:00 Registration and Breakfast

All Attendees and Faculty

08:00-09:40 CMR for Surgical Decision Making

08:00-08:20 How I use imaging to assess patients with ccTGA: surgeon's perspective

08:20-08:40 Decision making in Borderline LV

08:40-09:00 Advanced imaging for complex biventricular septation

09:00-09:20 CMR for Ebstein

09:20-09:40 Discussion

Moderators: Pablo Caro-Dominguez, Kanwal Farooqi

David Barron

Rajiv Chaturvedi

Shi-Joon Yoo

Rebecca Beroukhim

09:40-10:00 Break

10:00-11:40 Beyond the Heart

10:00-10:20 Congenital heart disease and the developing brain

10:20-10:40 Lung disease in CHD

10:40-11:00 Misconceptions, misinformation, and misperceptions in FALD

11:00-11:20 How imaging directs new lymphatic interventions in 2024

11:20-11:40 Discussion

Moderators: LaDonna Malone, David Biko

Mike Seed

Karen Lyons

Chris Lam

David Biko

11:40-13:00 Lunch

13:00-14:40 Technical Advances
 13:00-13:20 4D Flow for Valve Assessment
 13:20-13:40 Photon Counting Cardiac CT in Children
 13:40-14:00 Exciting future uses of AI for pediatric/congenital CMR
 14:00-14:20 Discussion

Moderators: Josh Robinson, Karen Lyons
 Shiraz Maskatia
 Ladonna Malone
 Vivek Muthurangu

14:20:14:40 Break

14:40-16:00 Incredible Cases
 14:40-15:00 Texas
 15:00-15:20 Spain
 15:20-15:40 Korea
 15:40-16:00 Discussion

Moderators: Gordon Culham, Rebecca Beroukhim
 Prakash Masand
 Pablo Caro-Dominguez
 Hyun Jung Koo

16:00-16:30 Break

16:30-17:30 Wine and Cheese Debate: Echo vs CMR for Assessment of Myocardial Mechanics
 Assessment of Myocardial Mechanics: Pro Echo
 Assessment of Myocardial Mechanics: Pro CMR

Moderator: Andy Powell
 Luc Mertens
 Lars Grosse-Wortmann

Sunday, October 20, 2024

07:30-08:00 Registration and Breakfast

All Attendees and Faculty

08:00-09:20 Evolving practice of pediatric cardiac imaging
 08:00-08:20 Cardiac imaging using contemporary 0.55T MRI
 08:20-08:40 Interventional CMR: added value and new insights
 08:40-09:00 CT-FFR in children: promising tool or pipe-dream?
 09:00-09:20 Setting up a new CMR program
 09:20-09:40 Discussion

Moderators: Andrada Popescu, Prakash Masand
 Adrienne Campbell-Washburn
 Tarique Hussain
 Kanwal Farooqi
 Laura Acosta-Izquierdo

09:40-10:00 Break

10:00-10:45 Best Abstracts

Abstract Committee: Andy Powell, Cindy Rigsby

10:45-12:00 WIPs
 10:45-11:00 Boston
 11:00-11:15 UTSW
 11:15-11:30 Colorado
 11:30-11:45 GOSH
 11:45-12:00 Discussion

Moderators: Taylor Chung
 Andy Powell
 Tarique Hussain
 Lorna Browne
 Vivek Muthurangu

12:00-12:15 Course Wrap-up and Adjourn

Chris Lam / Isra Valverde



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