Stanford Pulmonary Artery Reconstruction and Right Ventricle Rehabilitation Symposium

April 14-15, 2018
Li Ka Shing Center for Learning and Knowledge
Stanford, CA

Sponsored by the Stanford University School of Medicine

Faculty

FACULTY
All faculty are with the Stanford University School of Medicine unless otherwise noted.

Course Directors
Ritu Asija, MD
Clinical Associate Professor
Pediatrics-Cardiology

David M. Axelrod MD
Clinical Associate Professor
Pediatrics-Cardiology

Stanford Faculty
Ritu Asija, MD
Clinical Associate Professor
Pediatrics-Cardiology

Frandics Chan, MD
Associate Professor of Radiology (General Radiology)

Thomas Collins, MD
Clinical Associate Professor
Pediatrics – Cardiology

Lisa Wise-Faberowski, MD, MS
Assistant Professor of Anesthesiology, Perioperative and Pain Medicine (Pediatric)

Jeff Feinstein, MD, MPH
Dunlevye Family Professor of Pulmonary Vascular Disease and Professor, by courtesy, of Bioengineering

Frank L. Hanley, MD
Lawrence Crowley, M.D., Endowed Professor in Child Health Cardiothoracic Surgery

Katsuhide Maeda, MD
Clinical Associate Professor of Cardiothoracic Surgery

Alison Marsden, PhD
Associate Professor of Pediatrics (Cardiology) and of Bioengineering and, by courtesy, of Mechanical Engineering

Doff McElhinney, MD
Professor of Cardiothoracic Surgery (Pediatric Cardiac Surgery) and of Pediatrics (Cardiology)

Stanton B. Perry, MD
Associate Professor of Pediatrics (Cardiology)

Marlene Rabinovitch, MD
Dwight and Vera Dunlevie Professor in Pediatric Cardiology

Sushma Reddy, MD
Assistant Professor of Pediatrics (Cardiology)

R. Kirk Riemer, PhD
Senior Research Scientist-Basic Ls Cardiothoracic Surgery – Pediatric Cardiac Surgery

Anitra Romfh, MD
Clinical Assistant Professor
Pediatrics-Cardiology

Clinical Assistant Professor
Medicine – Cardiovascular Medicine

Stephen J. Roth, MD
Professor of Pediatrics-Cardiology
Chief, Division of Pediatric Cardiology

Douglas Sidell, MD
Assistant Professor of Otolaryngology/Head and Neck Surgery (Pediatrics)

Kenneth Weinberg, MD
Anne T. and Robert M. Bass Professor in Pediatric Cancer and Blood Diseases
Pediatrics – Stem Cell Transplantation

Guest Faculty
Abdulaziz Alkhaldi, MD
Director of Pediatric Cardiac Surgery
Prince Sultan Cardiac Center
Riyadh, Saudi Arabia

Adriano Carotti, MD
Director, Pediatric Cardiac Surgery
Bambino Gesù Children’s Hospital and Research Institute
Roma, Italy

Mark Friedberg, MD
Staff Cardiologist
The Hospital for Sick Children
University of Toronto

Rebecca Kameny, MD
Assistant Professor – Pediatric Critical Care
University of California San Francisco

James Lock, MD
Cardiologist in Chief Emeritus
Chairman of the Department of Cardiology
Boston Children’s Hospital

Audrey C. Marshall, MD
Chief, Pediatric Cardiology
Director, Pediatric Catheterizations and Interventions
Visiting Associate Professor
Tufts University School of Medicine

Michael Matthay, MD
Professor of Medicine
University of California San Francisco School of Medicine

Terry Monkaba
Executive Director
Williams Syndrome Association

Jim Walker
Parent of Patient

Evan M. Zahn, MD
Director, Pediatric Cardiology
Director, Congenital Heart Disease Program
Cedars-Sinai Heart Institute

FACULTY DISCLOSURE
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Saturday, April 14, 2018

7:00-7:30 AM    Registration and Breakfast with the Faculty

Session Moderator: David M. Axelrod, MD

7:30-7:40    Welcome and Introduction
             David M. Axelrod, MD

7:40-8:00    Diagnostic Catheterization of Abnormal PAs and MAPCAS
             Stanton B. Perry, MD

8:00-8:20    CT and MRI Imaging of PAS and MAPCAS
             Frandics Chan, MD

8:20-8:40    Interventional Catheterization Techniques for Palliation
             of MAPCAS
             Audrey C. Marshall, MD

8:40-9:00    RVOT Catheterization Interventions
             Evan Zahn, MD

9:00-9:20    Advanced Modeling and Personalized Surgery
             Alison Marsden, PhD

9:20-9:50    Q&A

9:50-10:00   Break

Session Moderator: Lisa Wise-Faberowski, MD, MS

10:00-10:20  Anesthetic Considerations in PA Interventions
             Lisa Wise-Faberowski, MD, MS

10:20-11:00  Surgical Approach to Tetralogy with PA and MAPCAS
             Frank L. Hanley, MD

11:00-11:20  International Perspectives: Building a PA Reconstruction
             Program in Europe
             Adriano Carotti, MD

11:20-11:40  International Perspectives: Building a PA Reconstruction
             Program in the Middle East
             Abdulaziz Alkhaledi, MD

11:40-12:00  Q&A

12:00-12:30  Lunch

12:30-1:30   Lunch Panel Debate
             Post-Operative PA Stenosis/Obstruction: When and How to
             Intervene
             Surgical Approach: Frank L. Hanley, MD
             Interventional Cath Approach: Jim Lock, MD

1:30-1:50    Q&A

1:50-2:00    Break

Session Moderator: Ritu Asija, MD

2:00-2:20    Post-Operative Management and Prolonged Respiratory Failure
             Ritu Asija, MD

2:20-2:40    Pathophysiology and Basic Science of Reperfusion
             Pulmonary Edema
             Michael Matthay, MD

2:40-3:00    Bronchoscopy of PA Reconstruction Patients
             Douglas Sidell, MD

3:00-3:20    Outpatient Follow-Up of PA Reconstruction
             Stephen J. Roth, MD, MPH

3:20-3:30    Q&A

3:30-4:00    Special Feature: The Parent Perspective
             Jim Walker
             Parent of TOF/PA/MAPCAS Patient

4:00-5:30    Stanford Virtual Heart Demonstration

4:00-5:30    Virtual Reality Stations Open (No CME)

5:30-6:00 PM  Optional, Tour of New Children’s Hospital

Monday, April 15, 2018

7:00-7:30 AM    Breakfast with the Faculty

Session Moderator: Doff McElhinney, MD

7:30-7:45    The Williams Syndrome Association
             Terry Monkaba

7:45-8:05    Williams Syndrome: Features and Management
             Tom Collins, MD

8:05-8:25    Alagille Syndrome: Features and Management
             Jeff Feinstein, MD

8:25-8:45    DiGeorge, T-Cell Immunodeficiency, and Infectious Diseases
             Ken Weinberg, MD

8:45-9:00    Caring for Adult Survivors, Medical and Surgical
             Considerations
             Anitra Romfh, MD

9:00-9:20    PA Reconstruction in Williams and Alagille
             Frank L. Hanley, MD

9:20-9:40    Cardiac Transplantation and VADs in PA Reconstruction
             Patients
             Katsuhide Maeda, MD

9:40-10:10   Q&A

10:10-10:20  Break

Session Moderator: Stephen J. Roth, MD MPH

10:20-10:40  Imaging the RV in Complex PA Repairs
             Mark Friedberg, MD

10:40-11:00  RV Strain and Molecular Markers
             Sushma Reddy, MD

11:00-11:15  Gene Expression and Genetic Profiling in MAPCAS Patients
             Kirk Reimer, PhD

11:15-11:35  RV Adaptation
             Rebecca Kameny, MD

11:35-11:55  The Hypertensive RV, Pulmonary Hypertension, and Looking
             Forward for Basic Science Developments
             Marlene Rabinovitch, MD

11:55-12:15  Q&A

12:15 PM     Adjournment