The Division of Pediatric Cardiology at the Stanford University School of Medicine Presents a Continuing Medical Education Conference

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

Sanford 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
Dunlevie Family Professor of Pulmonary Vascular Disease and Professor, by courtesy, of Bioengineering

Francois Haddad, MD
Clinical Associate Professor of Medicine
Cardiovascular Medicine

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

George Lui, MD
Clinical Associate Professor of Medicine - Cardiovascular Medicine and of Pediatrics - Cardiology

Michael Ma, MD
Clinical Instructor

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

Sushima Reddy, MD
Assistant Professor of Pediatrics (Cardiology)

R. Kirk Riemer, PhD
Senior Research Scientist-Basic LS Cardiopathoary Scientist - Pediatric Cardiothoracic Surgery

Anitra Romfh, MD
Clinical Assistant Professor
Pediatrics-Cardiology

Clinical Assistant Professor
Medicine – Cardiovascular Medicine

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 Gesu Children’s Hospital and Research Institute Roma, Italy

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

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

Iman Monka
Executive Director
William’s 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
The Stanford University School of Medicine adheres to ACCME Criteria, Standards and Policies regarding industry support of continuing medical education. Disclosure of faculty and their commercial relationships will be made prior to the activity.
Program (subject to change)

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 Alkhaldi, MD
11:40-12:00 PM  Q&A
12:00-12:30  Lunch
12:30-1:30  Lunch Panel Debate
Post-Operative PA Stenosis/Obstruction: When and How to
Intervene
Surgeon 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
Virtual Reality Stations Open (No CME)
Reception
4:00-5:30  Optional, Tour of New Children’s Hospital
5:30-6:00 PM  Stanford Virtual Heart Demonstration
Virtual Reality Stations Open (No CME)
Reception
5:30-6:00 PM  Optional, Tour of New Children’s Hospital

Sunday, 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
Michael Ma, 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
Francois Haddad, MD and George Lui, 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 Riemer, PhD
11:15-11:35  RV Adaptation
Rebecca Kameny, MD
11:35-12:15  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
Conference Information

COURSE DIRECTOR’S WELCOME MESSAGE
Patients with complex pulmonary artery abnormalities present a significant challenge for congenital heart programs. Join us to learn the current medical and surgical approach to patients with syndromic pulmonary artery abnormalities, major aortopulmonary collaterals (MAPCAs), and right ventricular outflow tract obstruction. We have assembled an international team of experts from multiple disciplines to address this challenging topic in our field.

STATEMENT OF NEED
This CME workshop seeks to fulfill the need amongst pediatric cardiologists and cardiac surgeons to improve the fund of knowledge in caring for patients with complex pulmonary artery abnormalities. This workshop will bring together the world’s experts in congenital heart disease with a specific interest in pulmonary artery reconstruction and the right ventricle to present the latest information and strategies in caring for this complex population.

TARGET AUDIENCE
This is a national program designed for:
- Physicians – Pediatricians, Cardiologists, Cardiothoracic Surgeons, Anesthesiologists, and Radiologists
- Pediatric Cardiac Nurse Practitioners
- Nurses
- Pediatric Cardiac Trainees
- Perfusionists
- Pediatric Cardiac Intensivists

LEARNING OBJECTIVES
At the conclusion of this activity, learners will be able to:
- Apply the diagnostic algorithm for patients with complex pulmonary artery (PA) stenosis and/or major aortopulmonary collateral arteries (MAPCAs).
- Explain the basis for diagnostic and therapeutic interventions, and then determine the surgical, postoperative, and follow-up approach to these patients.
- Discuss the need for complete cardiac catheterization imaging, explain how a complete diagnostic study is used, and determine how and when computed tomography (CT) supplementation is beneficial.
- Navigate the complicated process of building a PA reconstruction program, and identify the resources and personnel requirements needed to effectively treat this complex population.
- Evaluate the organized preoperative planning process for patients with complex PA obstruction and/or MAPCAs, including the surgical decision to close the ventricular septal defect in patients with PA/VSD.

ACCREDITATION
The Stanford University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

CREDIT DESIGNATION
The Stanford University School of Medicine designates this live activity for a maximum of 12 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The California Board of Registered Nursing recognizes that Continuing Medical Education (CME) is acceptable for meeting RN continuing education requirements as long as the course is certified for AMA PRA Category 1 Credit™ (rn.ca.gov). Nurses will receive a Certificate of Participation following this activity that may be used for license renewal.

The American Nurses Credentialing Center (ANCC) accepts AMA PRA Category 1 Credit™ from organizations accredited by the ACCME. Please check with your state’s credentialing board for their requirements. Nurses will receive a Certificate of Participation following this activity that may be used for license renewal.

REGISTRATION
Registration includes course materials, certificate of participation, breakfast and lunch.

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<thead>
<tr>
<th>ATTENDEE TYPE</th>
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<tr>
<td>Physicians</td>
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<td>Trainees</td>
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For groups of 5 attendees registering together, receive one complimentary registration for 5th attendee. To take advantage of this offer, please call (650) 725-4803.

Register online with a Visa or Master Card by visiting cme.stanford.edu/pa. If you prefer to pay by check or need assistance, please call (650) 497-8554 or email stanfordcme@stanford.edu. Be sure to register with an email address that you check frequently. Your email address is used for critical information, including registration confirmation, evaluation, and certificate.

CANCELLATION POLICY
Cancellations received in writing no less than 30 days before the course will be refunded, less a 20% administrative fee. Cancellations received in writing by January 3, 2018 will be refunded. No refunds will be made on cancellations received after that date. Please send cancellation requests to stanfordcme@stanford.edu

Stanford University School of Medicine reserves the right to cancel this program; in the event of cancellation, course fees will be fully refunded. We are not responsible for other costs incurred such as nonrefundable airline tickets or hotel penalties.

CONFERENCE LOCATION
Li Ka Shing Center for Learning and Knowledge
291 Campus Drive, 2nd Floor Conference Room
Stanford, CA 94305
http://conferencecenter.stanford.edu/

Register online at cme.stanford.edu/pa

ACCOMMODATIONS
Nearby hotels:
- Sheraton Palo Alto Hotel 650-328-2800
- The Westin Palo Alto 650-321-4422
- Stanford University Lodging Guide [https://visit.stanford.edu/plan/lodging.html](https://visit.stanford.edu/plan/lodging.html)

Please contact the hotel directly to secure a reservation.

CONFERENCE CONTACT
Marifin Besona
CME Conference Coordinator (650) 725-4803
Mary Sisney
CME Conference Coordinator (650) 724-7166

VISITING STANFORD UNIVERSITY
Click here to learn more about visiting the area.

CONTACT INFORMATION
For questions about the symposium, please contact Marifin Besona, CME Conference Coordinator, (650) 725-4803 or email MBesona@stanfordchildrens.org.

Stanford Center for Continuing Medical Education
725 Welch Road, MC 5517, Palo Alto, CA 94304
Phone: (650) 498-6757 • Fax: (650) 497-5738
Email: lphcme@stanfordchildrens.org

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