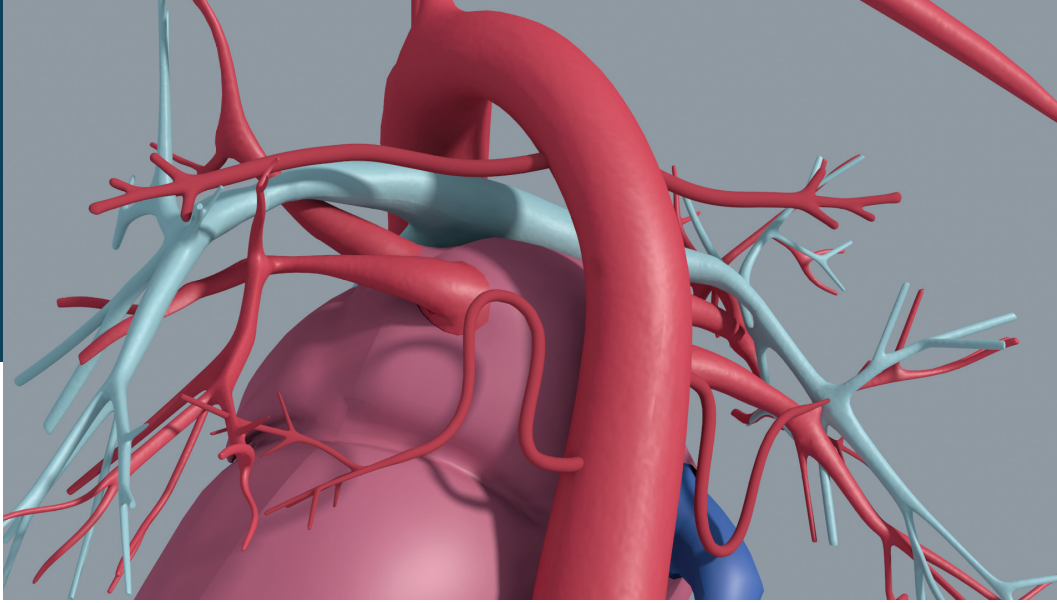


Stanford Pulmonary Artery Reconstruction and Right Ventricle Rehabilitation Symposium



April 14-15, 2018

Li Ka Shing Center
for Learning
and Knowledge

Stanford, CA

Sponsored by the Stanford University
School of Medicine



Stanford
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*

Francis 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

Richard Mainwaring, MD

Clinical Professor of Cardiothoracic Surgery

Alison Marsden, PhD

*Associate Professor of Pediatrics (Cardiology) and of
Bioengineering and, by courtesy,
of Mechanical Engineering*

Lynn Peng, MD

Associate Professor 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 Cardiothoracic 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 Alkhalidi, MD

*Director of Pediatric Cardiac Surgery
Prince Sultan Cardiac Center
Riyadh, Saudi Arabia*

Holly D. Bauser-Heaton, MD, PhD

*Pediatric Cardiologist
Children's Healthcare of Atlanta*

Adriano Carotti, MD

*Director, Pediatric Cardiac Surgery
Bambino Gesù Children's Hospital and
Research Institute Roma, Italy*

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*

Michael Matthay, MD

*Professor of Medicine
University of California San Francisco School of Medicine*

Terry Monkaba

*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.

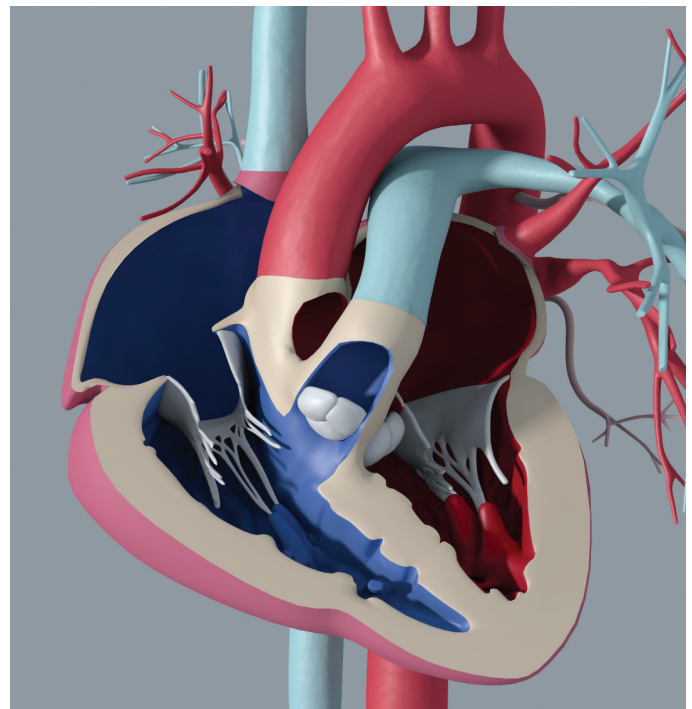
Program (subject to change)

Saturday, April 14, 2018

- 7:00-7:30 AM **Registration and Breakfast with the Faculty**
- 7:30-10:00 AM Diagnostics and Catheterization of PA Obstruction**
Session Moderator: **David M. Axelrod, MD**
- 7:30-7:40 **Welcome and Introduction**
David M. Axelrod, MD, Course Director
- 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**
Lynn Peng, 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**
- 10:00-12:00 PM Anesthetic, Operative, and Programmatic Approaches**
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**
- 12:30-1:15 **Lunch Panel Debate: PA Stenosis/Obstruction: When and How to Intervene**
Session Moderator: **Stephen J. Roth, MD**
Surgical Approach: Frank L. Hanley, MD
Interventional Cath Approach: Jim Lock, MD
- 1:15-1:45 **Q&A**
- 1:45-2:00 **Break**
- 2:00-4:00 PM Post-Operative Care: Getting Patients Back Home**
Session Moderator: **Ritu Asija, MD**
- 2:00-2:20 **Pathophysiology and Basic Science of Reperfusion Pulmonary Edema**
Michael Matthay, MD
- 2:20-2:40 **Post-Operative Management and Prolonged Respiratory Failure**
Ritu Asija, MD
- 2:40-3:00 **Bronchoscopy of PA Reconstruction Patients**
Douglas Sidell, MD
- 3:00-3:20 **Long Term Follow-Up of Patients with Tetralogy PA and MAPCAs**
Holly Bauser-Heaton, MD, PhD
- 3:20-3:30 **Q&A**
- 3:30-4:00 **Special Feature: The Parent Perspective**
Parent of TOF/PA/MAPCAs Patient
Jim Walker
- 4:00-5:30 **Advanced Imaging Stations: Virtual and Augmented Reality**
The Stanford Virtual Heart and True3D Imaging Stations Open for Demo (No CME)
- 4:00-5:30 **Reception (at LKSC)**
- 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**
- 7:30-10:10 AM Syndromic PA Obstruction and Management**
Session Moderator: **Richard Mainwaring, 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 **PA Reconstruction in Williams and Alagille**
Michael Ma, MD
- 8:45-9:05 **DiGeorge, T-Cell Immunodeficiency, and Infectious Diseases**
Ken Weinberg, MD
- 9:05-9:20 **Caring for Adult Survivors, Medical and Surgical Considerations**
Anitra Romfh, 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**
- 10:20-12:15 PM The RV and Basic Science: Rehabilitation and Protection after PA Obstruction**
Session Moderator: **Stephen J. Roth, MD**
- 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
- 11:35-11:55 **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**



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

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

ATTENDEE TYPE	FEES	
	Early Bird Rate	Regular Rate after 3/5/18
Physicians	\$350.00	\$450.00
Other Healthcare Professionals	\$245.00	\$315.00
Perfusionists	\$245.00	\$315.00
Trainees	\$150.00	\$150.00

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/>

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>

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

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Register online at cme.stanford.edu/pa