Cardiology 2016





Feb. 24 – 28, 2016

Loews Royal Pacific Resort at Universal Orlando®

Orlando, Fla.

19th Annual Update on Pediatric and Congenital Cardiovascular Disease

Bringing Science to Clinical Practice

A comprehensive post-graduate course for pediatric cardiologists, intensivists, surgeons, nurses, neonatologists, anesthesiologists, ACHD specialists, sonographers, perfusionists, and all those involved in the care of patients with pediatric and congenital cardiovascular disease.

For more information, visit www.chop.edu/cardiology2016.

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Cardiology 2016

Welcome

The practice of pediatric and congenital cardiovascular care involves a multitude of conditions presenting at a variety of ages. A myriad of various congenital malformations of the cardiovascular system exist in nature, each with its own unique pathophysiology. Previously healthy young hearts may also acquire disease. Our discipline now spans care from the earliest point of gestation in fetal life to the mature adult, each era presenting its own set of unique aspects influencing strategies of care and outcome. All of these factors contribute to the need for a huge body of knowledge that must be at the fingertips of healthcare providers in order to offer the latest state-of-the-art care to our patients. Our discipline is still a young one, with new information being generated at a regular pace; however, a strong evidence base for clinical practice can often be difficult to find due to all of the permutations of disease variety and complexity.

It is with this in mind that we present the 19th Annual Update on Pediatric and Congenital Cardiovascular Disease. Our theme this year is "Bringing Science to Clinical Practice," with an emphasis on current knowledge informing strategies of care. The course faculty will present multiple talks in plenary sessions, as well as presentations in subspecialty breakout sessions and a series of moderated panels of experts, covering all areas of the science informing practice for comprehensive care of the unborn, neonate, child and young adult with cardiovascular disease.

Course Highlights 2016

- Updates on the latest science and clinical management strategies in pediatric and congenital cardiovascular medicine and surgery from visionary experts in the field
- Featured premier opening plenary session lectures by outstanding speakers on the provocative subject of "what impacts clinical care"
- Informative and entertaining plenary session: "You have 15 minutes in front of a venture capitalist — make your best case! Novel technologies and innovations in congenital and pediatric cardiovascular care" with comments and feedback from a venture capital consultant
- Breakout sessions on a variety of topics for every subspecialty, including sessions on how to answer common clinical questions, thrombosis, preventative and outpatient cardiology, and research methodology, including the emerging role of "big data" analytics
- Expert moderated panel discussions on 1) heart transplantation and 2) the questions of "when is care futile?" and "when have we reached the limits of treatment?"

Featured Rashkind (Cardiology), Lillehei (Surgery), Downes (Critical Care and Anesthesia), Rauch (Nursing) and Basic & Translational Science lectures by renowned professionals in the field

- New this year: Lunch roundtable panel discussions
- Dedicated nursing track including comprehensive preconference symposium on management of congenital heart malformations as well as nursing-specific breakout sessions and nursing research sessions
- Presentation of cutting-edge research through three days of abstract poster display and oral presentations with awards for best investigational research abstracts
- Preconference, full-day intensive symposia on 1) research training, 2) imaging, and 3) healthcare administration for pediatric and congenital cardiovascular disease
- · Our second annual 5K Heart Run!
- Test your knowledge against the experts in an entertaining and informative Quiz Bowl competition
- Hear from the absolute best speakers in the field on the most up-to-date topics while networking with colleagues and socializing in a relaxing, family-friendly, fun-filled environment!

Course Objectives 2016

At the completion of this program, the participant will be better able to:

- Describe the science and knowledge base of information that supports clinical practice for the patient with pediatric and congenital cardiovascular disease
- Understand human, social, technical and organizational factors that impact clinical practice
- Identify the role of genomics in congenital heart disease
- Outline care and management of acquired heart disease in the pediatric population
- Review latest innovations and technologies in congenital and pediatric cardiovascular care
- Discuss challenges of growing up with congenital heart disease
- Describe current long-term outcomes in complex congenital heart disease
- Review latest concepts in the care and management of adult congenital heart disease
- · Understand latest concepts in fetal cardiovascular care
- Identify solutions to many common questions related to the clinical care of patients with congenital heart disease

Cardiology 2016 Conference Dedicated App!

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Key Features:

- Event schedule by day, track, topic and speaker
- Share feedback through in-app surveys
- · Two-way contact
- Take and share notes within app
- · And many, many more features!



- Describe current methodologies for research and discuss the potential benefits of "big data" analytics
- Manage the patient with congenital heart disease consisting of isolated ventricular septal defect, doubleoutlet right ventricle, and Ebstein's anomaly of the tricuspid valve
- Discuss concepts and controversies in anesthesia and critical care medicine
- Review concepts in preventative and outpatient cardiology
- Identify key factors that help determine optimal strategy of care for the neonate with borderline small ventricle
- Understand and manage the risks of thrombosis in the pediatric population with heart disease
- Discuss sports recommendations in congenital heart disease and channelopathies
- Identify and solve challenges seen in the cardiac catheterization laboratory
- Describe the spectrum of neurocognitive deficit seen in children with congenital heart disease
- Detect and diagnose abnormalities on EKG and understand pacemaker settings
- Understand the challenges and benefits of heart transplantation
- Discuss the factors that contribute to our boundaries of care and define when care is futile in the patient with congenital heart disease
- Describe the latest research in cardiology, surgery, nursing, and perfusion in the science and clinical care of pediatric and congenital cardiovascular disease

Call for Abstracts

Timeline

Abstract Submission Deadline: Notification of Acceptance: Oral Presentations: Friday, Oct. 30, 2015 (Noon EST) Monday, Nov. 16, 2015 Thursday, Feb. 25 and Friday, Feb. 26, 2016 Poster Presentations: Thursday, Feb. 25 through Saturday, Feb. 27, 2016 Award Presentations: Saturday, Feb. 27, 2016

Course participants are encouraged to submit abstracts for consideration for the Annual Outstanding Physician Scientist and Nurse Scientist Awards. Abstracts will be accepted in all aspects of cardiovascular care, including cardiac issues in the neonatal and pediatric intensive care units; cardiovascular nursing; inpatient and outpatient cardiology; surgical, anesthesia and perfusion research; and basic cardiovascular science. The abstracts will be graded by the course faculty in a blinded fashion.

Accepted Abstracts:

 Accepted abstracts will be published in early 2016, in the World Journal for Pediatric and Congenital Heart Surgery (visit http://pch.sagepub.com).

- On Thursday, Feb. 25 and Friday, Feb. 26, 2016, the top abstracts will be
 presented as eight-minute oral presentations and the top nursing abstracts
 will be presented in a moderated poster session. Remaining accepted abstracts
 will be presented in one of three poster sessions during the meeting.
- The course faculty will select the recipients of the 12th Annual Outstanding Physician Scientist Award and the 10th Annual Outstanding Nurse Scientist Award. The award winners will each be recognized at the featured plenary session on Feb. 27, 2016, and will receive a complimentary registration for Cardiology 2017 and a \$500 travel grant.

Electronic submission only. See www.chop.edu/cardiology2016 for details. Abstract acceptance does not include course registration fee or hotel accommodations.

General Information

Registration

The conference will be held Wednesday, Feb. 24 through Sunday, Feb. 28, 2016, at the Loews Royal Pacific Resort at Universal Orlando. Registration will take place Wednesday, Feb. 24 from 6:30 a.m. to 6 p.m. and Thursday, Feb. 25 from 6:30 a.m. to 6 p.m.

Course Fees

The registration fee for the five-day conference is \$950 for physicians and \$595 for other healthcare professionals and physicians-in-training. The registration fee includes tuition, online presentations, daily continental breakfast, lunch and one ticket to the Blue Man Show.

Physicians\$950
Nurses, Medical Students, Residents, Fellows and Other Healthcare Professionals\$595
Optional Preconference Seminars
#1: Research Training in CHD\$150
#2: Challenges and Opportunities in Healthcare Administration for Children with Heart Disease
#3: State-of-the-Art Imaging for CHD\$150
#4: A Comprehensive Review for Nursing and Front-line Providers

ACCME Accreditation Statement

The Children's Hospital of Philadelphia is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

AMA Credit Designation Statement

The Children's Hospital of Philadelphia designates this live activity for a maximum of 41.25 AMA PRA Category 1 Credits[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

AMA PRA Category 1 credits™ are designated as follows: Wednesday, Feb. 24, 2016

Optional Preconference Seminars – 8 a.m. to 3:30 p.m.

- #1 Research Training = 5.75
- #2 Challenges and Opportunities = 5.75
- #3 Imaging = 5.75

Main Conference: Wednesday, Feb. 24 (p.m.) to Sunday, Feb. 28, 2016 Total AMA PRA Category 1 credits[™] = 35.50

Nursing Accreditation

This activity has been submitted to the PA State Nurses Association for approval to award contact hours. The PA State Nurses Association is accredited as an approver of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation.

Perfusion Accreditation

An application for CEU Category 1 hours will be submitted.

Services for People with Disabilities

If special arrangements are required for an individual with a disability to attend this meeting, please contact the Continuing Medical Education Department at 215-590-5263.

Cancellation and Refund Policy

The Children's Hospital of Philadelphia reserves the right to cancel or postpone any course due to unforeseen circumstances. In the event of cancellation or postponement, The Children's Hospital of Philadelphia will refund registration fees but is not responsible for any related costs or charges assessed by airlines and travel agencies. In order to process refunds for course withdrawals, cancellations must be received in writing by Monday, Feb. 1, 2016. Refunds will be issued for the amount of registration less a \$75 service charge.

Hotel Information

A block of rooms has been reserved at Loews Royal Pacific Resort. The group rate is \$229 single or double occupancy plus a 12.5 percent room tax. Participants are required to make their own hotel reservations by calling the hotel directly at 866-360-7395.

For the reduced conference rate, mention the name of this conference when making your reservation. The conference rate covers Feb. 22 – Feb. 29, 2016, and will be available only until Monday, Feb. 1, 2016. Reservations made after Feb. 1 will be accepted based on space and rate availability.



OPTIONAL PRECONFERENCE #1

Research Training in Pediatric and Congenital Cardiovascular Disease

Moderator: Robert Levy, M.D.

8 a.m.

9:45 a.m.

Rm: Pacifica 11

Rm: Pacifica 12

Opening Remarks 11:10 a.m. The Key to Success: Se Robert Levy, M.D. H. Scott Baldwin, M.D.

8:15 a.m. An Overview of Clinical Research Training in 11:30 a.m. The Key to Success: Value of Advanced Training and Degree

Pediatric Cardiology in Master of Science in Clinical Epidemiology

3:15 p.m.

Adjourn

Jane Newburger, M.D.

Andrew Glatz, M.D., M.S.C.E.

8:45 a.m. An Overview of Laboratory and Translational Research 11:50 a.m. Faculty Panel Discussion: Q & A

Training in Pediatric Cardiology

Bruce Gelb, M.D.

Noon
Lunch

9:15 a.m. Pathway to a Successful Basic Science Career in the Field of Pediatric Cardiology 1 p.m. Oral Presentations by Selected Research Trainees

H. Scott Baldwin, M.D.

Faculty Panel Discussion: Q & A

With Faculty Feedback
Robert Levy, M.D.
Eric Graham, M.D.
Sara Pasquali, M.D., M.H.S.

10:15 a.m. Break

Sara Pasquau, M.D., M
H. Scott Baldwin, M.D.

10:30 a.m. The Key to Success: Grant Applications: The Dos and Don'ts

10:50 a.m. The Key to Success: Organizing Your Clinical Research Group *Jane Newburger, M.D.*

Bruce Gelb, M.D.

OPTIONAL PRECONFERENCE #2

Challenges and Opportunities in Healthcare Administration for Children with Heart Disease

Moderators: Lawrence Barnes, M.B.A.; Maryanne Kessel, R.N., M.B.A.

8 a.m. Innovations in Delivery of Care: Can We Improve Value and Deliver Better Care More Efficiently and at a Lower Cost?

Maryanne Kessel, R.N., M.B.A. Noon Lur

8:30 a.m. Understanding the Dynamics of a Pediatric Cardiac Service
Line Through Use of Dashboards Scorecards Metrics and 1 p.m. Benefits and Challenges in Creating a Network of Healthcare

Line Through Use of Dashboards, Scorecards, Metrics and Trend Analysis

Trend Analysis

Trend Analysis

Trend Analysis

Mark Schwartz, M.B.A.

9 a.m.

Mark Schwartz, M.B.A.

1:30 p.m.

What Keeps a Freestanding Children's Hospital Sustainable:
Expanding Footprint through Diversification of Scope

m. Healthcare Costs and the Value Equation

Evan Fieldston, M.D.

Expanding Footprint through Diversing at the Value Equation of Scope Thomas Dole, M.B.A.

9:30 a.m. Measuring Hospital Performance and Costs for
Congonital Hourt Disease Suggests

2 p.m. Roundtable Discussion: How Best to Deliver High-Quality
Pediatric Heart Care: Balancing the Business, Clinical and

Congenital Heart Disease Surgery

Sara Pasquali, M.D., M.H.S.

Pediatric Heart Care: Balancing the Business, Clinical a
Academic Objectives in a Changing Environment

Panel Leaders: Lawrence Barnes, M.B.A.;

10 a.m. Faculty Panel: Q & A

Maryanne Kessel, R.N., M.B.A.

10:15 a.m. Break

Panel Participants: Evan Fieldston, M.D.; James O'Brien, M.D.;

Daniel Penny, M.D., Ph.D.; Arthur Klein, M.D.;

10:30 a.m. Is There Room for Innovative Care in the Current

Thomas Dole, M.B.A.; Robert Shaddy, M.D.;

Business Model of Medicine and Surgery?

Suzanne A. Worthington

N. Scott Adzick, M.D. 3 p.m. Adjourn

11 a.m. Opportunities for Partnership: Venture Capital and

Pediatric Healthcare

Steve Barsh

OPTIONAL PRECONFERENCE #3

Imaging for Pediatric and Congenital Cardiovascular Disease

Moderator	s: Meryl Cohen, M.D.; Michael Brook, M.D.		Rm: Java 1 & 2
8 a.m.	Approach to the Newborn Echocardiogram	11:05 a.m.	Vascular Imaging and Functional Analysis in Children
	Michael Brook, M.D.		Shobha Natarajan, M.D.
8:20 a.m.	Transesophageal Echocardiography in Intraoperative Assessment of	11:25 a.m.	The Concept of Arterial Tortuosity: A Clue to Prognosis in Pediatric
	Congenital Heart Repair: Benefits and Limitations		Cardiovascular Disease?
	Meryl Cohen, M.D.		Shaine Morris, M.D., M.P.H.
8:40 a.m.	Role of Echocardiography in the Cardiac Catheterization Laboratory	11:45 a.m.	Faculty Panel: Q & A
	David Goldberg, M.D.	Noon	Lunch
9 a.m.	3D Echo: Utility, Benefits and Limitations — Where Are We in 2016?	1 p.m.	Evaluation of Myocardial Function via Echocardiography:
	Girish Shirali, M.B.B.S.		Utility in Clinical Decision Making in Pediatric and Congenital
9:20 a.m.	Primer on Cardiac MRI: The Basics — How Does it Work?		Cardiovascular Disease
	What Can We See? and What Is a "Sequence"?		Mark Friedberg, M.D.
	Mark Fogel, M.D.	1:30 p.m.	Evaluation of Myocardial Function via MRI: Utility in Clinical
9:50 a.m.	Faculty Panel: Q and A		Decision Making in Pediatric and Congenital Cardiovascular Disease
10 a.m.	Break		Mark Fogel, M.D.
10:15 a.m.	Technological Advances in Acquisition and Transmission: Handheld	2 p.m.	This Condition Is Best Imaged by This Modality and
	Echocardiography and Telemedicine for Pediatric and		My Most Interesting Patient: A Roundtable Discussion of
	Congenital Cardiovascular Disease		Real Case Scenarios
	Craig Sable, M.D.		Michael Brook, M.D.; Meryl Cohen, M.D.; Mark Fogel, M.D.
10:45 a.m.	Role of Echocardiography in Decision Making for Atrioventricular		Mark Friedberg, M.D.; Craig Sable, M.D.; Lloyd Tani, M.D.
	Valve Insufficiency	3 p.m.	Adjourn
	Lloyd Tani, M.D.		

OPTIONAL PRECONFERENCE #4

The Essentials of CHD and Postoperative Management: A Comprehensive Review for Nursing and Front-line Providers Rm: Timor Sea 1 & 2

.0	moning and information		Tilli, Tilliol Oca T & Z
Moderators:	Kathryn Dodds, M.S.N., C.R.N.PA.C.; Lisa Laddish, R.N., D.N.P., C.P.N.	PA.C., P.C.; Sh	aron Mawa, M.S.N., P.C.N.SB.C.; Patricia Sieffert, M.S.N., C.R.N.P.
7:30 a.m.	Terminology of "Normal" Cardiac Anatomy Paul Weinberg, M.D.	11:20 a.m.	Tetralogy of Fallot Anatomy/Morphology – Paul Weinberg, M.D.
7:45 a.m.	Essentials of the Embryology of the Normal Heart <i>H. Scott Baldwin, M.D.</i>		Surgery – James O'Brien, M.D. Postoperative Care and Outcomes – Lisa Laddish, R.N., D.N.P.,
8 a.m.	Screening, Diagnosis and Preoperative Assessments Kathryn Dodds, M.S.N., C.R.N.PA.C.	11:40 a.m.	C.P.N.PA.C., P.C. Truncus Arteriosus
8:15 a.m.	Open Heart Surgery: CPB, X Clamp, Circulatory Arrest Stephanie Fuller, M.D.		Anatomy/Morphology – Paul Weinberg, M.D. Surgery –William M. DeCampli, M.D., Ph.D.
8:30 a.m.	Early Postoperative Management Roxanne Kirsch, M.D.	Noon	Postoperative Care and Outcomes – Kathryn Dodds, M.S.N., C.R.N.PA.C. D-Transposition of the Great Arteries
8:45 a.m. 9 a.m.	Break: 15 minutes Echocardiography: Effusions, Function, Obstruction, Regurgitation, Thrombus, and Holes in 15 Minutes!		Anatomy/Morphology — Paul Weinberg, M.D. Surgery — Stephanie Fuller, M.D. Postoperative Care and Outcomes — Kathryn Dodds, M.S.N., C.R.N.PA.C.
215	David Goldberg, M.D.	12:20 p.m.	Lunch
9:15 a.m.	What the Chest X-ray Can and Cannot Show You <i>Joshua Blinder, M.D.</i>	12:40 p.m.	Total Anomalous Pulmonary Venous Return Anatomy/Morphology – Paul Weinberg, M.D.
9:30 a.m.	How to Decipher Cardiac Catheterization Data Matthew Schwartz, M.D.		Surgery – James O'Brien, M.D. Postoperative Care and Outcomes – Patricia Sieffert, M.S.N., A.R.N.P.
9:45 a.m.	Postoperative Arrhythmias: SVT, JET, Heart Block, VT Maully Shah, M.B.B.S.	1 p.m.	Coarctation of the Aorta Anatomy/Morphology – Paul Weinberg, M.D.
10 a.m.	ECMO and Mechanical Support in Children with CHD Chitra Ravishankar, M.D.		Surgery – William M. DeCampli, M.D., Ph.D. Postoperative Care and Outcomes – Lisa Laddish, R.N., D.N.P.,
10:15 a.m.	Sedation and Pain Management after Cardiac Surgery Joshua Blinder, M.D.	1:15 p.m.	C.P.N.PA.C., P.C. Single Ventricle: Stage 1, Bidirectional Glenn, Fontan
10:30 a.m. 10:40 a.m.	Break: 10 minutes Ventricular Septal Defect Anatomy/Morphology – Paul Weinberg, M.D.	2125 Film	Anatomy/Morphology – Paul Weinberg, M.D. Surgery – Stephanie Fuller, M.D. Postoperative Care and Outcomes – Kathryn Dodds, M.S.N., C.R.N.PA.C.
	Surgery – William M. DeCampli, M.D., Ph.D. Postoperative Care and Outcomes – Patricia Sieffert, M.S.N., A.R.N.P.	2 p.m.	Discharge Planning and Home Monitoring Karen L. Iacono, M.S.N., A.R.N.PB.C.
11 a.m.	Complete Common Atrioventricular Canal Defect Anatomy/Morphology – Paul Weinberg, M.D.	2:20 p.m.	The Brain and Congenital Heart Disease Daniel Licht, M.D.
	Surgery – James O'Brien, M.D. Postoperative Care and Outcomes – Lisa Laddish, R.N., D.N.P.,	2:40 p.m.	Neurocardiac Followup: Why, When and How Kathleen Mussatto, R.N., Ph.D.
	C.P.N.PA.C., P.C.	3 p.m. 3:30 p.m.	Q and A Adjourn

Wednesday, Feb. 24

Main Conference ● Opening Plenary Session 4 – 7:15 p.m.

What Impacts Clinical Care? Moderators: Robert Shaddy, M.D.; Thomas L. Spray, M.D.

4 p.m. Opening Remarks *Jack Rychik, M.D.*

4:10 p.m. Human Factors and Teams in Congenital Heart Disease Care

Daniel Penny, M.D., Ph.D.

4:30 p.m. Proficiency and Technical Factors in Congenital Heart Surgery

Victor Tsang, M.D.

4:50 p.m. A Roadmap: The Fetal Surgery Model of Bringing Research to Innovative Clinical Care

N. Scott Adzick, M.D.

5:10 p.m. Data Analytics: Information Science Innovations to Improve Clinical Practice

Joel Dudley, Ph.D.

5:30 p.m. A Strategy for Healthcare Administration: Navigating the Current Environment

Arthur Klein, M.D.

5:50 p.m. Healthcare Provider Well Being: Influence of the Life-Work Balance on Clinical Care

Dennis Durbin, M.D.

6:10 p.m. A Sense of Purpose: Pediatric Healthcare in Rural America

Larry Rhodes, M.D.

6:30 p.m. Inspiration

Paul Cardall

7:15 p.m. Adjourn

Dinner on Your Own

6:30 p.m. SPECIAL EVENT — A Musical Interlude with Paul Cardall

Paul Cardall

"He is one of the most accomplished and discriminating artists in the world."

—Jenn Gordon, Artist Manager, Steinway & Sons

Paul Cardall is a Steinway & Sons sponsored pianist and a two-time No. 1 Billboard artist with seven other recordings that debuted on Billboard's top 10 New Age chart without any major label support. His most recent album, "40 Hymns for Forty Days," debuted at No. 1 and was listed on Billboard's Heatseeker's list, which ranks new artist popularity across all music genres.

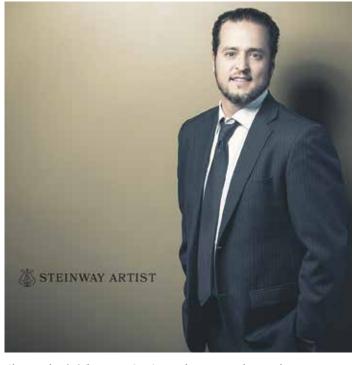
Paul's soothing, melodic style is born out of his compassion to help others endure hardship and connect to the strength of the soul. The passion he exudes during his performances is rooted in personal experience because the pianist has endured difficult challenges. He was born with essentially half a functioning heart, which required immediate surgery when Paul was less than a day old. His life-threatening congenital heart disease and a series of difficult surgeries throughout his life, including a heart transplant, has given Paul wisdom, depth and understanding that only music could express to heal hearts and minds of people all over the

Based in Salt Lake City, Paul has built a loyal — and ever growing — audience around the world through several social media channels. From Cairo to Chicago, Sydney to Madrid, Paul's fans live in more than 100 nations. He adds 200 new listeners per day, reaches more than 600,000 Facebook users per week, garners more than 384 million listeners to his Pandora Radio station, and his YouTube channel has been viewed by more than 2 million people.

In addition to his recording career, Paul founded Stone Angel Music in 1999, which owns a catalogue of recordings by other similar artists. He launched cellist Steven Sharp Nelson's (The Piano Guys) recording career releasing three recordings which debuted on Billboard classical charts. As part of Stone Angel Music, Paul built one of Salt Lake City's premier recording studios.

Steinway & Sons Artist Manager Jenn Gordon said, "Paul's commitment to excellence in his artistic and professional achievements makes it most appropriate that he is included on the Steinway Artist Roster, a list of the most accomplished and discriminating artists in the world." Other artists on this roster include: Irving Berlin, Sergei Rachmaninov, Duke Ellington, Gina Bachauer, to name a few.

Visit www.stoneangelmusic.com, www.paulcardall.com, iTunes, Amazon.com or other websites to purchase the music of Paul Cardall.



Rm: Pacifica Ballroom 6 & 7

Thursday, Feb. 25

Rm: Coral Sea 1 & 2

7 – 8 a.m. Nursing Pharmacology Breakfast • Moderators: Patricia Sieffert, M.S.N., C.R.N.P.; Karen Iacono, M.S., A.R.N.P.-B.C.

Vasoactive Medications: What You Should Know About Epinephrine, Norepinephrine, Dopamine, Dobutamine, Milrinone, Nipride and Vasopressin Kathryn Dodds, M.S.N., C.R.N.P.-A.C.; Dawn Tucker, D.N.P., C.P.N.P.-A.C.; Sandy Staveski, Ph.D., R.N., C.P.N.P.-A.C.; Karen L. Iacono, M.S.N., A.R.N.P.-B.C.

Plenary Session II

The Genomics Revolution

Rm: Pacifica Ballroom 6 & 7

Moderators: H. Scott Baldwin, M.D.; Elizabeth Goldmuntz, M.D.

8 a.m. The Genetic Architecture of Congenital Heart Disease

Bruce Gelb, M.D.

8:20 a.m. Genetic Testing: The Toolbox in the Clinical Setting

Wendy Chung, M.D., Ph.D.

8:40 a.m. Genotype and Outcome: Promises and Challenges

Elizabeth Goldmuntz, M.D.

9 a.m. The Genetics of Cardiomyopathy

John L. Jefferies, M.D.

9:20 a.m. Ethical Considerations in the Era of Genetic Evaluation

Ian Krantz, M.D.

9:40 a.m. Faculty Panel: Q & A



Break/Visit the Exhibits • 10 − 11 a.m. • Poster Session #1 Sponsored by Ward Family Heart Center C



Thursday, Feb. 25

Simultaneous Breakout Sessions • 11 a.m. – 1 p.m.

NURSING: WHAT DOES THE EVIDENCE SAY ABOUT ...

Rm: Pacifica Ballroom 6

Moderators: Sharon Mawa, M.S.N., P.C.N.S.-B.C.; Alexis Perri, M.S.N., C.R.N.P.

11 a.m. Should We Use APNs in the CICU? • Lisa Laddish, R.N., D.N.P., C.P.N.P.-A.C., P.C.
11:15 a.m. When Does Skin Care Begin? • Leigh Ann DiFusco, M.S.N., C.N.O.R., P.C.N.S.-B.C.

11:30 a.m. Can Simulation Improve Competency of New Bedside Nurses? • Heather Meldrum, R.N., B.S.N., C.C.R.N.

11:45 a.m. Alternative Pain Management Strategies: Do They Work? • Sandy Staveski, Ph.D., R.N., C.P.N.P.-A.C.

Noon PGE: To Feed or Not to Feed? • Patricia Sieffert, M.S.N., A.R.N.P.

12:15 p.m. Nursing Practice Models • Alexis Perri, M.S.N., C.R.N.P.

12:30 p.m. Fetal Diagnosis of CHD: What Is the Impact on Maternal Stress? • Denise Donaghue, M.S.N.

12:45 p.m. Adults in the Pediatric ICU: Is That the Optimal Place for Care? • David Drajpuch, M.S.N., C.R.N.P.

1 p.m. Adjourn

ADVANCES IN PEDIATRIC CARDIOPULMONARY BYPASS

Rm: Timor 1

Moderators: Tami Rosenthal, M.B.A., C.C.P.; Richard Melchior, C.C.P.

11 a.m. Future of Blood Product Usage During Pediatric Cardiopulmonary Bypass • Richard Melchior, C.C.P., M.P.S., F.P.P.

11:20 a.m. Cerebral Perfusion: The Dos and Don'ts • Gary Plancher, C.C.P.

11:40 a.m. Sugar and Spice: Glucose Control and Cardiopulmonary Bypass • Hamish Munro, M.D.

Noon Are Intra-operative Considerations Enough to Achieve the Goals for Bloodless Cardiac Surgery? • Bharat Datt, C.C.P., C.P.C., F.P.P.

12:20 p.m. A Case Study: Argatroban Anticoagulation Therapy During ECMO and CPB Including a Double Exchange Transfusion for HLA Antibodies

• Kevin Charrette, C.C.P.

12:40 p.m. NIRS: Are We Using It on the Right Patients? • Francis McGowan, M.D.

1 p.m. Adjourn

ISOLATED VENTRICULAR SEPTAL DEFECT — REVISITED!

Rm: Coral Sea 1 & 2

Rm: Java Sea 1 & 2

Moderators: Craig Fleishman, M.D.; James O'Brien, M.D.

11 a.m. Anatomy • Paul Weinberg, M.D. 11:20 a.m. Imaging • Craig Fleishman, M.D.

11:40 a.m. Pathophysiology, Clinical Impact and Decision Making • Paul Stephens, M.D.

Noon Surgical Treatments • James O'Brien, M.D.

12:20 p.m. Short- and Long-term Outcomes • Matthew O'Connor, M.D.

12:40 p.m. Faculty Panel: Q & A

1 p.m. Adjourn

ANSWERING THE IMPORTANT QUESTIONS: BIG DATA, RESEARCH METHODOLOGY AND INFRASTRUCTURE

Moderators: J. William Gaynor, M.D.; Sara Pasquali, M.D.

11 a.m. What Is Big Data and How Do We Analyze It? • Joel Dudley, Ph.D.

11:20 a.m. Creating the Proper Infrastructure for Pediatric Research • Dennis Durbin, M.D.

11:40 a.m. Not All Data Are Created Equal: Integration of Multiple Data Sets to Improve Quality of Care • Sara Pasquali, M.D., M.H.S.

Noon Clinical Trials in Pediatric Cardiology: The Good and the Bad • Brian McCrindle, M.D.

12:20 p.m. Moderated Panel Discussion: Answering the Important Questions in Pediatric and Congenital Heart Care

Panel Leader: J. William Gaynor, M.D.

Panel Participants: Joel Dudley, Ph.D.; Dennis Durbin, M.D.; Brian McCrindle, M.D.; Sara Pasquali, M.D., M.H.S.

1 p.m. Adjourn

COMMON CLINICAL QUESTIONS IN CONGENITAL AND PEDIATRIC HEART CARE I

Rm: Pacifica Ballroom 7

Moderators: Daniel Penny, M.D.; Lloyd Tani, M.D.

11 a.m. When Is it Time to Replace the Pulmonary Valve in My Patient with Tetralogy of Fallot and How Best To Do It? • Jonathan J. Rome, M.D.

11:20 a.m. What Should I Do with My Patient Who Has a Dilated Aorta? • Yuli Kim, M.D.

11:40 a.m. How Should I Treat My Patient with Wolff-Parkinson-White Syndrome? • Maully Shah, M.B.B.S.

Noon What Should I Do About the Liver in My Patients After Fontan Operation? • Wendy Book, M.D.

12:20 p.m. What Should I Do About My Patient With Non-compaction Type Cardiomyopathy? • John L. Jefferies, M.D.

12:40 p.m. Faculty Panel: Q & A

1 p.m. Adjourn

8

Thursday, Feb. 25

BOXED LUNCH • 1 - 2 p.m.

1 – 2 p.m. Optional Lunch Roundtable: Case Discussions with the Experts

Roundtable 1

Neurocognitive Outcome in CHD: The Current State of Affairs

Rm: Oceana Ballroom 1 – 5

Panel Discussion: J. William Gaynor, M.D. (leader); Daniel Licht, M.D.; Bradley S. Marino, M.D., M.P.P., M.S.C.E.; Jane Newburger, M.D.

Roundtable 2

Trials and Tribulations in the Cardiac Catheterization Laboratory: Case-Based Presentations

Rm: Oceana Ballroom 8 — 12

Panel Discussion: Jonathan J. Rome, M.D. (leader); Lee Benson, M.D.; Audrey Marshall, M.D.; David Nykanen, M.D.; Stephen Kaine, M.D.

MODERATED PANEL OF EXPERTS • 2 - 3 p.m.

Heart Transplantation for Congenital and Pediatric Cardiovascular Disease in 2016

Panel: Robert Shaddy, M.D. (leader); Charles Fraser, M.D.; John L. Jefferies, M.D.; Karen McCandless, C.R.N.P; Victor Morell, M.D.; Mark Rodefeld, M.D.; Joseph Rossano, M.D.

ORAL ABSTRACTS • 3 − 4 p.m. • Moderators: David Goldberg, M.D.; Eric Graham, M.D.

BREAK • 4 − 4:15 p.m.

Plenary Session III Moderators: Jack Rychik, M.D.; David Nykanen, M.D.

YOU HAVE 15 MINUTES IN FRONT OF A VENTURE CAPITALIST – MAKE YOUR BEST CASE! NOVEL TECHNOLOGIES AND INNOVATIONS IN CONGENITAL AND PEDIATRIC CARDIOVASCULAR CARE

Rm: Pacifica
Ballroom
6 & 7

4:15 p.m.	Extubation After Surgery: A Model for Multicenter Collaborative Learning
	Susan Nicolson M D

Susun Ivicoison, M.D.

4:30 p.m. Ventricular Assist Technologies in the Pediatric Population *Joseph Rossano, M.D.*

4:45 p.m. Lymphatic System Imaging and Interventional Treatment for CHD *Yoav Dori, M.D.*

5 p.m. Altering Neurocognitive Outcomes Through Fetal Intervention *J. William Gaynor, M.D.*

5:15 p.m. Computer Software Technologies to Assist Patients and Healthcare Providers Girish Shirali, M.B.B.S.

5:30 p.m. Molecular Therapy for Right Ventricular Failure Francis McGowan, M.D.

5:45 p.m. Innovations in Overcoming Technical Challenges and Improving Outcomes

Following Fetal Cardiac Intervention Audrey Marshall, M.D.

6 p.m. Computational Fluid Dynamics in CHD William M. DeCampli, M.D., Ph.D.

6:15 p.m. MRI and 3D Printing for CHD

Mark Fogel, M.D.

6:30 p.m. A Fontan Mechanical Assist Device

Mark Rodefeld, M.D.

6:45 p.m. Review of Ideas Presented: Perspective From a Venture Capitalist

Steve Barsh and Phil Christian, M.D., DreamIt Health

7 p.m. Adjourn 9



Friday, Feb. 26

7-8 a.m. Special Breakfast Session: EKG and Rhythm Strip Review

Case-Based Presentations

Mitchell Cohen, M.D.; Maully Shah, M.B.B.S.; Larry Rhodes, M.D.

Rm: Coral Sea 1 & 2

Plenary Session IV

When Bad Things Happen to Good Hearts: Treatment and Outcomes in 2016 for ...

Moderators: Daniel Penny, M.D.; Girish Shirali, M.D.

8 a.m. Myocarditis

Robert Shaddy, M.D.

8:20 a.m. Sickle Cell Anemia

Craig Sable, M.D.

8:40 a.m. Anthracycline Toxicity

Matthew O'Connor, M.D.

9 a.m. Rheumatic Heart Disease

Lloyd Tani, M.D.

9:20 a.m. Kawasaki Disease

Jane Newburger, M.D.

9:40 a.m. Faculty Panel: Q & A

Faculty

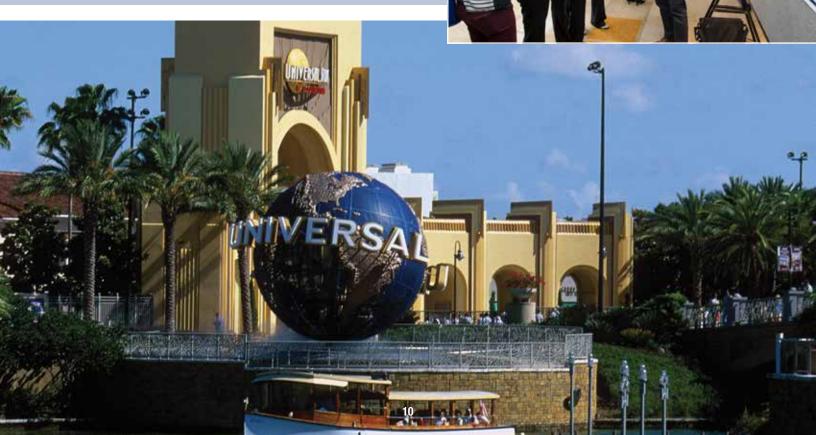
10 a.m. Adjourn



Break/Visit the Exhibits • 10 – 11 a.m.

Poster Session #2

Sponsored by Ward Family Heart Center Children's MERCY KANSAS CITY



Friday, Feb. 26

Simultaneous Breakout Sessions • 11 a.m. − 1 p.m.

NURSING: NURSING RESEARCH AND ORAL ABSTRACTS

Rm: Pacifica Ballroom 6

Moderators: Kathleen Mussatto, Ph.D.; Alexis Perri, M.S.N., C.R.N.P.

11 a.m. The top eight nursing abstracts will be formally presented and discussed.

PERFUSION: ADVANCES IN MECHANICAL ASSIST AND ECMO

Rm: Timor 1

Moderators: Tami Rosenthal, M.B.A., C.C.P.; Richard Melchior, C.C.P.

11 a.m. Innovations in Mechanical Assist: Current Approaches • Geoffrey L. Bird, M.D., M.S.I.S.

11:20 a.m. Mechanical Assist to Transplant: Things to Consider • *Joseph Rossano, M.D.* 11:40 a.m. Anticoagulation for Mechanical Assist: Best Practices • *J. William Gaynor, M.D.*

Noon Two Pumps, One Heart: Heartware BiVAD — Case Presentation • Tami Rosenthal, M.B.A., C.C.P.

12:20 p.m. ECMO Circuit Arterial Line Clot Removal: How Do We Do It and Is It a Good Idea in the First Place? • Kevin Charrette, C.C.P.

12:40 p.m. Faculty Panel: Q & A

1 p.m. Adjourn

DOUBLE-OUTLET RIGHT VENTRICLE

Rm: Pacifica Ballroom 7

Moderators: William DeCampli, M.D., Ph.D.; Susan Schachtner, M.D.

11 a.m. Anatomy • Paul Weinberg, M.D. 11:20 a.m. Imaging • Mark Friedberg, M.D.

11:40 a.m. Pathophysiology, Clinical Impact and Decision Making • Anita Szwast, M.D.

Noon Surgical Treatment • Victor Tsang, M.D.

12:20 p.m. Short- and Long-term Outcomes • Susan Schachtner, M.D.

12:40 p.m. Faculty Panel: Q & A

1 p.m. Adjourn

PREVENTATIVE AND OUTPATIENT CARDIOLOGY

Rm: Coral Sea 1 & 2

Moderators: Marie Gleason, M.D.; Paul Stephens, M.D.

11 a.m. Establishing a Neurodevelopmental Clinic for Congenital Heart Disease • Bradley S. Marino, M.D., M.P.P., M.S.C.E.

11:20 a.m. Setting Up Pathways for Evaluation of Common Problems: Chest Pain, Heart Murmurs and Other Conditions • Paul Stephens, M.D.

11:40 a.m. Creating a Multidisciplinary Clinic for the Patient with a Fontan Circulation • Kathryn Dodds, M.S.N., C.R.N.P.-A.C.

Noon Evaluating and Managing Hypertension in the Pediatric Patient • Shobha Natarajan, M.D.

12:20 p.m. Childhood Prevention of Late Atherosclerosis: Can We Control the Future? • Stephen Daniels, M.D., Ph.D.

12:40 p.m. Pulse Oximetry in the Newborn Nursery • Steven Kaine, M.D.

1 p.m. Adjourn

CONCEPTS AND CONTROVERSIES IN ANESTHESIA AND CRITICAL CARE

Rm: Java Sea 1 & 2

Moderators: Geoffrey L. Bird, M.D.; James Steven M.D.

11 a.m. Role of ECMO Utilization in CHD Care and Outcomes • Chitra Ravishankar, M.D.

11:20 a.m. Pediatric Anesthesia: Impact on Neurodevelopment - Reality or Fiction? • Francis McGowan, M.D.

11:40 a.m. New Ideas on Reducing Waste and Delivering Higher Value Care in the Cardiac ICU • Geoffrey L. Bird, M.D., M.S.I.S.

Noon Ventilatory Strategies in CHD Care • Andrew Costarino, M.D.

12:20 p.m. Renal Injury and Congenital Heart Surgery • Joshua Blinder, M.D.

12:40 p.m. Perspectives on Quality and Safety in Pediatric Anesthesia • C. Dean Kurth, M.D.

1 p.m. Adjourn

BOXED LUNCH • 1 – 2 p.m.

Friday, Feb. 26

1 – 2 p.m. Optional Lunch Roundtable: Case Discussions with the Experts

Roundtable 1

Rm: Oceana Ballroom 1 – 5

Genetics in Congenital Heart Disease: Case-Based Presentations Elizabeth Goldmuntz, M.D. (leader); H. Scott Baldwin, M.D.; Wendy Chung, M.D., Ph.D.; Bruce Gelb, M.D.; Ian Krantz, M.D.; Shaine Morris, M.D., M.P.H.

Roundtable 2

Sports Recommendations in Congenital Heart Disease, or Channelopathies: Case-Based Presentations Mitchell Cohen, M.D. (leader); Stephen Paridon, M.D.; Maully Shah, M.B.B.S.; Paul Stephens, M.D.

Rm: Oceana Ballroom 8 – 12

ORAL ABSTRACTS • 2 − 3 p.m. • Moderators: Joshua Blinder, M.D.; John L. Jefferies, M.D.

Plenary Session V

Rm: Pacifica Ballroom 6 & 7

The Challenges of Growing Up With Congenital Heart Disease • Moderators: Jane Newburger, M.D.; Stephen Paridon, M.D.

3 p.m.	Quality of Life in CHD: How Is it Defined? How Do We Measure It? <i>Bradley S. Marino, M.D., M.P.P., M.S.C.E.</i>	4:40 p.m.	Patient Perspective: A Heart from the 1950s Cheryl Dickins
3:20 p.m.	Exercise Recommendations: Evidence or Whimsy? Stephen Paridon, M.D.	5:05 p.m.	Physician Perspective: Heroism of our Patients Roberto Canessa, M.D.
3:40 p.m.	Learning Issues: To What Extent, Why and in Whom? Kathleen Mussatto, R.N., Ph.D.	5:20 p.m.	Congenital Heart Surgery: Historical Perspective on How Far We Have Come
4 p.m.	Mood Disorders in the Grown-up with Congenital Heart Disease Adrienne Kovacs, Ph.D.	5:45 p.m.	Erle H. Austin III, M.D. Adjourn
4:20 p.m.	Family Perspective: Our Experiences and the Impact of CHD Richard Seidel and Erin Beatty	5:45 – 7 p.m.	Free Time



All conference attendees will receive one ticket for Friday, Feb. 26 from 8 to 10 p.m. Additional tickets for guests of conference attendees are available on a first-come, first-served

basis. You can purchase additional show tickets when you register for the conference. We have a limited number of tickets so please place your order as soon as possible. You will receive your tickets at registration on Wednesday. Feb. 24.

Reception: 8 - 8:45 p.m. Show Starts: 9 p.m.



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Saturday, Feb. 27





CARING FOR KIDS

Exercise your body and your mind!

When: Saturday, Feb. 27, 2016

Start Time: 6:15 a.m.

Where: Royal Pacific Resort

Registration required and limited to the first 200 registrants

Fee: \$25 (includes 5K Heart Run event T-shirt)

Part of the proceeds will be donated to charity to support CHD care and research.

Come out to run or to cheer on your colleagues!









Plenary Session VI

Awards and Featured Lectures Rm: Pacifica Ballroom 6 & 7

8 a.m. 14th Annual William J. Rashkind Memorial Lecture in Pediatric Cardiology

Introduced by Robert Shaddy, M.D.

Childhood Obesity and Cardiovascular Disease - Stephen Daniels, M.D., Ph.D.

8:25 a.m. 16th Annual C. Walton Lillehei Memorial Lecture in Cardiovascular Surgery

Introduced by Thomas L. Spray, M.D.

Moving the Treatment of CHD Forward: Keep After the Real Problems - Charles D. Fraser Jr., M.D.

8:50 a.m. Eighth Annual Jack Downes Lecture in Cardiac Anesthesia and Critical Care

Introduced by James Steven, M.D.

5 Steps to Improving Patient Safety - C. Dean Kurth, M.D.

9:15 a.m. Fifth Annual Featured Lecture in the Cardiovascular Basic and Translational Sciences

Introduced by Jack Rychik, M.D.

Physiological Features of the Developing Heart – Kent Thornburg, Ph.D.

9:40 a.m. 16th Annual Featured Lecture in Cardiovascular Nursing: T. Garrett Rauch Memorial Lecture

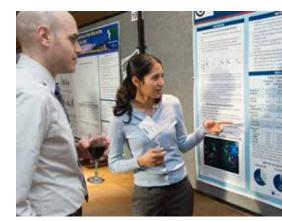
Introduced by Kathryn Dodds, M.S.N., C.R.N.P.-A.C.

The Choreography of Care: Finding the Science Behind the Art – Barbara Medoff-Cooper, Ph.D.,

R.N., F.A.A.N.

10:05 a.m. Presentation of the Outstanding Physician Scientist and Nurse Scientist Awards

David Goldberg, M.D.; Kathryn Dodds, M.S.N., C.R.N.P.-A.C.



Break • 10:15 - 11 a.m.

Poster Session #3

Saturday, Feb. 27

Simultaneous Breakout Sessions • 11 a.m. – 1 p.m.

NURSING: SOMETIMES IT'S A ZEBRA! PRESENTATIONS OF CHALLENGING CASES THAT SURPRISED US!

Moderators: Karen McCandless, M.S.N., C.R.N.P.; Patricia Sieffert, M.S.N., C.R.N.P.

Rm: Pacifica Ballroom 6

Rm: Coral Sea 1 & 2

Rm: Pacifica Ballroom 7

Rm: Java Sea 1 & 2

Kathryn Dodds, M.S.N., C.R.N.P.-A.C.; Dawn Tucker, D.N.P., C.R.N.P.-A.C.; Denise Donaghue, M.S.N.; Karen McCandless, M.S.N., C.R.N.P.; Leigh Ann DiFusco, M.S.N., C.N.O.R., P.C.N.S.-B.C.; Sandy Staveski, Ph.D., R.N., C.P.N.P.-A.C.; Patricia Sieffert, M.S.N., A.R.N.P.; David Drajpuch, M.S.N., C.R.N.P.

EBSTEIN'S ANOMALY

Moderators: Joseph Dearani, M.D.; Marie Gleason, M.D.

11 a.m. Anatomy • Paul Weinberg, M.D. 11:20 a.m. Imaging • Michael Brook, M.D.

11:40 a.m. Pathophysiology, Clinical Impact and Decision Making • Alan Friedman, M.D.

Noon Surgical Treatment • Joseph Dearani, M.D.

12:20 p.m. Short- and Long-term Outcomes • Susan Schachtner, M.D.

12:40 p.m. Faculty Panel: Q & A

1 p.m. Adjourn

COMMON CLINICAL QUESTIONS IN CONGENITAL AND PEDIATRIC HEART CARE II

Moderators: Jonathan J. Rome, M.D.; Chitra Ravishankar, M.D.

11 a.m. How Do I Best Manage My Patient with Primary Pulmonary Hypertension? • Rachel Hopper, M.D. 11:20 a.m. How Do I Best Manage My Patient with Recurrent Coarctation of the Aorta? • Lee Benson, M.D. 11:40 a.m. How Do I Best Manage My Patient with PLE after Fontan Operation? • David Goldberg, M.D.

Noon What Is the Best Surgical Strategy for the Patient with Corrected Transposition of the Great Arteries? • Thomas L. Spray, M.D.

12:20 p.m. What Is the Best Surgical Strategy for the Patient with D-Transposition of the Great Arteries, Ventricular Septal Defect and Pulmonary Stenosis?

• Victor Morell, M.D.

12:40 p.m. Faculty panel: Q & A

1 p.m. Adjourn

THROMBOSIS AND ANTICOAGULATION IN CONGENITAL HEART DISEASE

Moderators: Therese Giglia, M.D.; Andrew Glatz, M.D.

11 a.m. Cardiac Catheterization Based Complications of Vascular Patency • Andrew Glatz, M.D., M.S.C.E.

11:20 a.m. Antithrombotic Therapy: The Spectrum of Current Treatment Options • Therese Giglia, M.D. 11:40 a.m. Management of Stroke in Congenital Heart Disease • Daniel Licht, M.D.

Noon How Best to Anticoagulate after Fontan Operation • Brian McCrindle, M.D.

12:20 p.m. Moderated Panel: Case-Based Discussion • Therese Giglia, M.D. (leader); Andrew Glatz, M.D., M.S.C.E.; Daniel Licht, M.D.; Brian McCrindle, M.D.

1 p.m. Adjourn

LUNCH • 1 – 2 p.m.

1 – 2 p.m. Optional Lunch Roundtable: Case Discussions with the Experts

Roundtable 1

One or Two Ventricle Strategy: How Does One Choose?

s One Choose?

Rm: Oceana Ballroom 1 – 5

Meryl Cohen, M.D. (leader); Erle H. Austin III, M.D.; Michael Brook, M.D.; Tal Geva, M.D.; Jonathan J. Rome, M.D.

Roundtable 2

Pacer Setting Workshop

Mitchell Cohen, M.D.; Maully Shah, M.B.B.S.

Rm: Oceana Ballroom 8 – 12

Saturday, Feb. 27

MODERATED PANEL OF EXPERTS • 2 − 3 p.m.

WHEN IS CARE FUTILE?

Rm: Pacifica Ballroom 6 – 7

Panel: Roxanne Kirsch, M.D. (leader); Joshua Blinder, M.D.; Andrew Costarino, M.D.; John Costello, M.D., M.P.H.; Adrienne Kovacs, Ph.D.; Chitra Ravishankar, M.D.

Break • 3 – 3:15 p.m.

Plenary Session VII

OUTCOMES: THE RESULTS OF OUR EFFORTS ...

Moderators: Thomas L. Spray, M.D.; Meryl Cohen, M.D.

3:15 p.m. Pulmonary Atresia with Intact Ventricular Septum

Brian McCrindle, M.D.

3:30 p.m. Tetralogy of Fallot

Tal Geva, M.D.

3:45 p.m. Coarctation of the Aorta

David Nykanen, M.D.

4 p.m. D-Transposition of the Great Arteries

Meryl Cohen, M.D.

4:15 p.m. Atrioventricular Canal Defect

Alan Friedman, M.D.

4:30 p.m. Hypoplastic Left Heart Syndrome

Jack Rychik, M.D.

4:45 p.m. Faculty Panel: Q and A

5 p.m. Adjourn



Highlighted Poster Session: Wine and Wisdom 5 – 6 p.m.

Rm: Pacifica Ballroom 6 – 7

6 p.m. QUIZ BOWL!

Host: Matthew Gillespie, M.D.

Test Your Knowledge

Against Experts in the Field!

7 p.m. Adjourn



Sunday, Feb. 28

Concurrent Plenary Session VIII - A

Rm: Pacifica Ballroom 6

Challenges and Dilemmas in Adult Congenital Heart Disease

Moderators: Yuli Kim, M.D.; Stephanie Fuller, M.D.

The Lifetime Prevalence of CHD Ariane Marelli, M.D., M.P.H.

Sexual Health and High Risk Behaviors: How to Counsel?

Adrienne Kovacs, Ph.D.

8:40 a.m. Perioperative Surgical and Interventional Management of the Adult with CHD

David Drajpuch, M.S.N., C.R.N.P.

9 a.m. Long-term Outcomes of the Mustard/Senning Operation for Transposition of the Great Arteries

Yuli Kim, M.D.

9:20 a.m. Interventional Cardiology for the Adult with CHD

Lee Benson, M.D.

9:40 a.m. Assessment and Management in the Adult with Tetralogy of Fallot: Life After Pulmonary Valve Replacement

Tal Geva, M.D.

10 a.m. Resource Allocation for Anesthesia and Perioperative Care of the Adult with Congenital Heart Disease

James Steven, M.D.

10:15 a.m. BREAK

8 a.m.

8:20 a.m.

10:30 a.m. Transcatheter Aortic Valve Replacement and the Approach to Aortic Valve Disease: The Adult Cardiothoracic Surgeon's Perspective

Nimesh Desai, M.D.

10:50 a.m. Atrioventricular Valve Surgery in the Adult with CHD

Joseph Dearani, M.D.

11:10 a.m. Heart Failure in the Adult with a Fontan Circulation

Wendy Book, M.D.

11:30 a.m. Moderated Panel: Challenges in the Care of the Adult with CHD: Case-Based Discussion

Stephanie Fuller, M.D. (leader); Yuli Kim, M.D. (leader); Nimesh Desai, M.D., Ph.D.; Wendy Book, M.D.; Joseph Dearani, M.D.; Tal Geva, M.D.;

Adrienne Kovacs, Ph.D.; Ariane Marelli, M.D., M.P.H.; David Drajpuch, M.S.N., C.R.N.P.

12:15 p.m. Adjourn

Concurrent Plenary Session VIII - B

Concepts in Fetal Cardiovascular Care

Moderators: Anita Szwast, M.D.; Denise Donaghue, M.S.N.

8 a.m. Establishing Delivery Services and Perinatal Care for Birth Defects at a Children's Hospital: The CHOP Special Delivery Unit

Lori Howell, R.N., M.S.

8:30 a.m. Optimal Timing for Delivery of a Fetus with CHD: Is It a Balancing Act?

John Costello, M.D., M.P.H.

8:50 a.m. Geography and Its Influence on Outcome Following Prenatal Diagnosis of CHD

Shaine Morris, M.D., M.P.H.

9:10 a.m. Style of Imaging: A Systematic, High-Quality Approach to Fetal Echocardiography

Zhiyun Tian, M.D.

9:40 a.m. Advanced Doppler Fetal Echocardiography: Tools of the Trade

Anita Szwast, M.D.

10 a.m. Q & A

Faculty Panel

10:15 a.m. Break

10:30 a.m. Parental Psychodynamics in Prenatal Heart Disease

Denise Donaghue, M.S.N.

10:50 a.m. Fetal Brain Development in CHD: How Is It Different From Normal and Can It Be Modified?

Daniel Licht, M.D.

11:10 a.m. Role of Fetal Cardiovascular Imaging in Extra-cardiac Anomalies

Jack Rychik, M.D.

11:30 a.m. Moderated Panel: Challenges in the Care of the Fetus with Cardiovascular Disease: Case-Based Discussion

Jack Rychik, M.D. (leader); John Costello, M.D., M.P.H.; Denise Donaghue, M.S.N.; Lori Howell, R.N., M.S.; Daniel Licht, M.D.;

Shaine Morris, M.D., M.P.H.; Anita Szwast, M.D.; Zhiyun Tian, M.D.

12:15 p.m. Adjourn





Rm: Pacifica Ballroom 7

Faculty

Organizing Committee

Jack Rychik, M.D., Course Director
Lawrence Barnes, M.B.A., Philadelphia
Geoffrey L. Bird, M.D., M.S.I.S., Philadelphia
Robert Campbell, M.D., Atlanta
Meryl Cohen, M.D., Philadelphia
Mitchell Cohen, M.D., Phoenix
Andrew Costarino, M.D., Philadelphia
William M. DeCampli, M.D., Ph.D., Orlando
Kathryn Dodds, M.S.N., C.R.N.P.-A.C., Philadelphia
Craig Fleishman, M.D., Orlando
Alan Friedman, M.D., New Haven
Stephanie Fuller, M.D., Philadelphia
J. William Gaynor, M.D., Philadelphia
Marie Gleason, M.D., Philadelphia

David Goldberg, M.D., Philadelphia
Maryanne Kessel, R.N., M.B.A., Milwaukee
Yuli Kim, M.D., Philadelphia
David Nykanen, M.D., Orlando
Daniel Penny, M.D., Ph.D., Houston
Alexis Perri, M.S.N., C.R.N.P., Philadelphia
Jonathan J. Rome, M.D., Philadelphia
Tami Rosenthal, M.B.A., C.C.P., Philadelphia
Robert Shaddy, M.D., Philadelphia
Maully Shah, M.B.B.S., Philadelphia
Girish Shirali, M.B.B.S., Kansas City
Thomas L. Spray, M.D., Philadelphia
James Steven, M.D., Philadelphia
Suzanne A. Worthington, Orlando

Adult Congenital Heart

Wendy Book, M.D. Emory University School of Medicine

David Drajpuch, M.S.N., C.R.N.P. The Children's Hospital of Philadelphia

Yuli Kim, M.D. The Children's Hospital of Philadelphia Adrienne Kovacs, Ph.D. Oregon Health and Science University

Ariane Marelli, M.D., M.P.H. McGill University Health Center

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Thomas Dole, M.B.A. The Children's Hospital of Philadelphia

Evan Fieldston, M.D. The Children's Hospital of Philadelphia Maryanne Kessel, R.N., M.B.A. Children's Hospital of Wisconsin

Arthur Klein, M.D. Mount Sinai Health System

Mark Schwartz, M.B.A. The Children's Hospital of Philadelphia

> Suzanne A. Worthington Arnold Palmer Hospital

Anesthesia and Intensive Care

Geoffrey L. Bird, M.D., M.S.I.S. The Children's Hospital of Philadelphia

Joshua Blinder, M.D. The Children's Hospital of Philadelphia

Andrew Costarino, M.D. The Children's Hospital of Philadelphia

John Costello, M.D., M.P.H. Lurie Children's Hospital of Chicago

Roxanne Kirsch, M.D. Hospital for Sick Children, Toronto

C. Dean Kurth, M.D. Cincinnati Children's Medical Center Bradley S. Marino, M.D., M.P.P., M.S.C.E. Lurie Children's Hospital of Chicago

Francis McGowan, M.D. The Children's Hospital of Philadelphia

> Hamish Munro, M.D. Arnold Palmer Hospital

Susan Nicolson, M.D. The Children's Hospital of Philadelphia

James Steven, M.D. The Children's Hospital of Philadelphia

Faculty continued

Cardiology

H. Scott Baldwin, M.D. Vanderbilt Children's Hospital

Stephen Daniels, M.D., Ph.D. Children's Hospital Colorado

Alan Friedman, M.D. Yale New Haven Hospital

Therese Giglia, M.D. The Children's Hospital of Philadelphia

Eric Graham, M.D. Medical University of South Carolina

Rachel Hopper, M.D. The Children's Hospital of Philadelphia

Robert Levy, M.D. The Children's Hospital of Philadelphia Brian McCrindle, M.D. Hospital for Sick Children Toronto

> Jane Newburger, M.D. Boston Children's Hospital

Sara Pasquali, M.D., M.H.S. C.S. Mott Children's Hospital

Daniel Penny, M.D., Ph.D. Texas Children's Hospital

Susan Schachtner, M.D. The Children's Hospital of Philadelphia

Paul Stephens, M.D. The Children's Hospital of Philadelphia

Paul Weinberg, M.D. The Children's Hospital of Philadelphia

Cardiac Catheterization

Lee Benson, M.D. Hospital for Sick Children Toronto

Yoav Dori, M.D. The Children's Hospital of Philadelphia

Matthew Gillespie, M.D. The Children's Hospital of Philadelphia

Andrew Glatz, M.D. The Children's Hospital of Philadelphia

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Joel Dudley, Ph.D. Mount Sinai School of Medicine

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Dawn Tucker, D.N.P., C.P.N.P.-A.C.

Faculty continued

Other

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Paul Cardall Salt Lake City, Utah

Cheryl Dickins Los Angeles, Calif. Dennis Durbin, M.D. The Children's Hospital of Philadelphia

Daniel Licht, M.D. The Children's Hospital of Philadelphia

> Richard Seidel Naples, Florida

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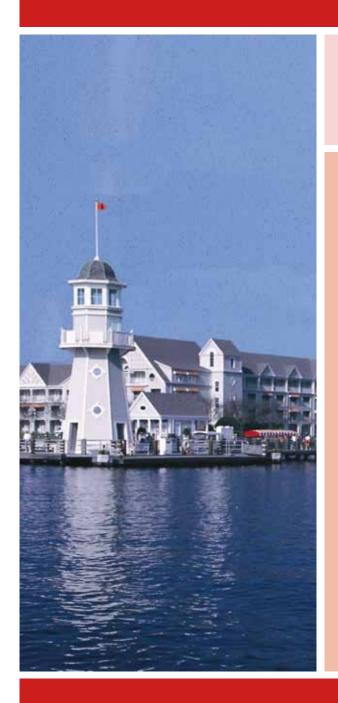






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