

Presidents' Weekend

FEB. 14 - 18, 2024

Learn more at www.chop.edu/cardiology2024







Dear Colleagues & Friends,

We are currently living through eventful and trying times. Technological innovation is rapidly influencing our models of healthcare in many ways. The development of artificial intelligence (AI) highlights many of the deficiencies, errors and misjudgments we exercise on a regular basis while at the same time clarifies the essence and value of the art of healing — skills irreplaceable by any algorithm or machine. In our field of pediatric and congenital cardiovascular disease, the evidence base is often limited, so good practice is commonly predicated on thoughtfulness and clinical "wisdom." It will be interesting to see how the wave of AI influences care in our space. Although unlikely we will see providers fully replaced by automated machines any time soon, it is safe to assume that practitioners who do embrace AI and explore its advantages, will replace those who do not!

It is with this in mind that we present our **27th Annual Update on Pediatric and Congenital Cardiovascular Disease.** Our theme this year is "Actual (Not Artificial) Intelligence in Pediatric & Congenital Cardiovascular Disease: What Do We Know and What Do We Need to Learn?" The course faculty will present multiple talks in plenary sessions, as well as presentations in subspecialty breakout sessions and a series of moderated panel conversations, covering all areas and topics related to the comprehensive care of the unborn, neonate, child, teen and young adult with cardiovascular disease. Many of the presentations will be given through the lens of artificial intelligence as a mechanism of care, with exploration of its impact specific to our field.

Through learning, sharing, networking and professional socializing, the goals of our educational conference are to give healthcare providers the tools necessary — within the new world we live in — to best deliver a normal quality and duration of life for our patients with pediatric and congenital cardiovascular disease.

We are extremely pleased to welcome you to this year's collaborative, multidisciplinary conference.

A warm welcome for joining us!

Jack Rychik, Course Director for the Organizing Committee, Cardiology 2024

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GENERAL INFORMATION

Topics will include:

- Applications of intelligence in pediatric and congenital cardiovascular disease: What do we know and what do we need to learn?
- What's old is new again: Timeless principles in the practice of pediatric and congenital cardiovascular care
- Wisdom, evidence and experience in managing complex clinical scenarios: A panel discussion of methodological approaches to challenging problems
- A patient and family roundtable perspective on compassion, innovation and life challenges in cardiovascular disease
- · Valves in congenital heart disease
- An open and honest discussion amongst the nation's chiefs of pediatric cardiology on challenges and opportunities heading into the future
- · Innovations in congenital heart care
- A conversation on clinical wisdom in a host of real-world scenarios: Perhaps there is evidence, perhaps there is not ... but this is what I do in these circumstances
- Case-based experiences that helped form who I am as a care provider
- · The liver in congenital heart disease
- The role of data in current healthcare practices: Data tells the story!
- Quality improvement: Are we making a difference?
- What can we do at the start to make sure we reach our destination? Perspectives on optimizing the life trajectory of congenital heart disease — from fetus to adult
- Update on heart failure and transplantation: Case-based principles and practice
- Ambulatory cardiology in pediatric and congenital cardiovascular disease
- Healthcare administration in pediatric and congenital cardiovascular disease
- · Genetics, syndromes and pediatric cardiovascular disease
- · Nursing topic-specific breakout sessions
- · Perfusion specialist-specific breakout sessions
- Featured lecture presentations by chosen luminaries in the field within the areas of cardiology, cardiac surgery, cardiac intensive care, basic cardiovascular science research and nursing

Other benefits of attending include:

- Special dedicated session tracks for nursing, perfusion specialists and healthcare administrators
- Preconference session CHD primer and review course for nurses and frontline providers
- Opportunities to network and enjoy Scottsdale attractions: Old Town Scottsdale, Musical Instrument Museum, Desert Botanical Gardens and much, much more!
- 5K Heart Run
- More than 25 credits for physicians, nurses and perfusion specialists
- Abundant opportunities for socializing and networking with colleagues from around the world!

Call for Abstracts

Abstract Submission Deadline: **Friday, Dec. 22, 2023** (11:59 p.m. EST)

Notification of Acceptance: Monday, Jan. 8, 2024

Oral Abstract Presentations: Thursday, Feb. 15, 2024 Poster Abstract Presentations: Thursday, Feb. 15, through Saturday, Feb. 17, 2024

Course Objectives 2024

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

- Outline the knowns and unknowns within the knowledge base that informs on how best to understand and care for the patient with pediatric and congenital cardiovascular disease
- Explain the methods for acquisition and sources of data and knowledge that currently exist and that need to be further developed to provide the means to offer optimal care for patients with pediatric and congenital cardiovascular disease
- Describe the science and knowledge base of information that supports current state-of-the art clinical practice for the patient with pediatric and congenital cardiovascular disease
- Recall the concepts and new strategies of care and practice for conditions unique to cardiovascular disease ranging from the fetus to adult with congenital heart disease

continued>

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Course objectives (continued)

- Explain the concepts and new strategies of care and practice for systemic conditions outside of the heart that affect the child with cardiovascular disease
- Recognize the unique challenges of the single ventricle and Fontan circulation, their origins and management
- Review the latest approach to advanced cardiac therapies for the failing circulation in the young
- Describe the current tools and methods available for optimal characterization of the cardiovascular system in the young utilizing the latest advanced technologies
- Outline the most recent developments in diagnosis and treatment of lymphatic conditions in the young
- Describe the many conditions affecting myocardial pump function in the young
- Discuss the latest updates on challenges and opportunities in understanding organ dysfunction, such as liver disease and kidney disease, when there is congenital heart disease
- Recall the underlying principles and best practices for postoperative care by nurses and other front-line providers for the newborn/infant with congenital heart disease
- Review the strategies of management related to perfusion during open heart surgery in the operating room and during mechanical circulatory support outside of the operating room
- Describe the challenges and opportunities in team building among varied specialists and providers to optimally deliver care to the young with cardiovascular disease
- Explain the value of administrative team collaboration in offering optimal healthcare to the community of pediatric and congenital cardiovascular disease
- Discuss the ideal strategies for provider team integration of outpatient community-based ambulatory care into the spectrum of cardiac care

Registration

The conference will be held Wednesday, Feb. 14, through Sunday, Feb. 18, 2024, at the **Hyatt Regency Scottsdale Resort and Spa at Gainey Ranch**, Scottsdale, Ariz. On-site registration is from 6:30 a.m. to 6 p.m. Wednesday, Feb. 14, and Thursday, Feb. 15.

Register online: chop.cloud-cme.com

Course Fees

The registration fee for this 5-day conference is \$995 for physicians and \$595 for other healthcare professionals and physicians-in-training. The registration fee includes tuition, online presentations, daily continental breakfast, lunch and opening reception.

Full Conference: 4 p.m. Wed., Feb. 14, to noon,
Sunday, Feb. 18
Physicians\$995
Nurses, Medical Students, Residents, Fellows and

Other Healthcare Professionals\$595

Optional Preconference Seminars

You must be registered for the full conference to register for a preconference.

ACCME Accreditation Statement

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

Children's Hospital of Philadelphia designates this live activity for a maximum of 28 *AMA PRA Category 1 credits* TM. 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. 14, 2024
 Optional Preconference Seminars 7:30 a.m. to 3:30 p.m.
 A Primer & Review: Congenital Heart Disease and
 Postoperative Management: Comprehensive Review for
 Nurses & Front-Line Providers
 Total AMA PRA Category 1 credits[™] = 7
- Main Conference: 4 p.m. Wednesday, Feb. 14, to noon Sunday, Feb. 18, 2024

Total AMA PRA Category 1 credits $^{TM} = 28$

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Nursing Continuing Professional Development Approved Provider Statement

Children's Hospital of Philadelphia is approved as a provider of nursing continuing professional development by the Pennsylvania State Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

Perfusion Accreditation Statement

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

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, 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. To process refunds for course withdrawals, cancellations must be received **in writing** by Thursday, Feb. 1, 2024. Refunds will be issued for the amount of registration, less a \$100 service charge.

Hotel Information

A block of rooms has been reserved at the **Hyatt Regency Scottsdale Resort and Spa at Gainey Ranch**, Scottsdale, AZ. The group rate is \$399 per room, per night for single or double occupancy. There is an additional 14.02% state and local tax. Participants must reserve their own hotel accommodations by calling 480-444-1234.

For the reduced conference rate, mention the "Cardiology 2024 Conference" when making your reservation. The conference rate begins on Monday, Feb. 12, 2024. This rate will only be available until **Jan. 15, 2024**. Reservations made after Jan. 15 will be accepted on space and rate availability.



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CONFERENCE PROGRAM

♥ WEDNESDAY, FEB. 14

Patty Ozuna

Surgery - Daniel A. Velez

 ${\bf Anatomy/morphology-} Lindsay \textit{S. Rogers}$

Postoperative Care and Outcomes —

Optional Preconference: 7:30 a.m. — 3:30 p.m. Il a.m. Compelte Common Atrioventricular Canal Defect Congenital Heart Disease and Postoperative Anatomy/morphology — Lindsay S. Rogers Management: A Master Class for Nurses, APPs Surgery — James E. O'Brien Anatomy/morphology — Lindsay S. Rogers Moderators: Kathryn M. Dodds, Lisa Laddish, Patty Ozuna and Carina Perez 7:30 a.m. What is "Normal" Cardiac Anatomy? Tetralogy of Fallot 7:30 a.m. What is "Normal" Cardiac Anatomy? Surgery — James E. O'Brien Postoperative Care and Outcomes — Lisa Laddish 7:45 a.m. Screening, Diagnosis and Preoperative Lisa Laddish 8 a.m. Open Heart Surgery: What is CPB, X Clamp, Circulatory Arrest? Truncus Arteriosus Anatomy/morphology — Lindsay S. Rogers 8:15 a.m. Early Postoperative Management Issues and Concerns Noon Lunch 8:15 a.m. Early Postoperative Management Issues Anatomy/morphology — Lindsay S. Rogers Surgery — Daniel A. Velez 8:30 a.m. Temporary Pacing: Who and How Christopher Janson Coarctation of the Aorta Anatomy/morphology — Lindsay S. Rogers 8:30 a.m. ECHO: Effusions, Function, Evaluati
7:30 a.m. What is "Normal" Cardiac Anatomy? Meryl S. Cohen 7:45 a.m. Screening, Diagnosis and Preoperative Assessment Kathryn M. Dodds 8 a.m. Open Heart Surgery: What is CPB, X Clamp, Circulatory Arrest? Christy K. Bosler 8:15 a.m. Early Postoperative Management Issues and Concerns David A. Hehir 8:30 a.m. Temporary Pacing: Who and How Christopher Janson ECHO: Effusions, Function, Evaluation of Surgical Operation David J. Goldberg 9:15 a.m. What the Chest X-ray Can and Cannot Show You David A. Hehir Surgery — Janes E. O'Brien Postoperative Care and Outcomes — Lisa Laddish Truncus Arteriosus Anatomy/morphology — Lindsay S. Rogers Surgery — Daniel A. Velez Postoperative Care and Outcomes — Lisa Laddish Transition of the Great Arteries/Arterial Switch Anatomy/morphology — Lindsay S. Rogers Surgery — Jonathan Chen Postoperative Care and Outcomes — Kathryn M. Dodds Kathryn M. Dodds
Screening, Diagnosis and Preoperative
Circulatory Arrest? Christy K. Bosler 8:15 a.m. Early Postoperative Management Issues and Concerns David A. Hehir 8:30 a.m. Temporary Pacing: Who and How Christopher Janson 8:45 a.m. Break 9 a.m. ECHO: Effusions, Function, Evaluation of Surgical Operation David J. Goldberg 9:15 a.m. What the Chest X-ray Can and Cannot Show You David A. Hehir Postoperative Care and Outcomes — Kathryn M. Dodds Lunch Coarctation of the Aorta Anatomy/morphology — Lindsay S. Rogers Surgery — Daniel A. Velez Postoperative Care and Outcomes — Lisa Laddish 12:50 p.m. Transition of the Great Arteries/Arterial Switch Anatomy/morphology — Lindsay S. Rogers Surgery — Jonathan Chen Postoperative Care and Outcomes — Kathryn M. Dodds
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9:15 a.m. What the Chest X-ray Can and Cannot Show You Kathryn M. Dodds David 4 Hobir
1:10 p.m. Total Anomalous Pulmonary venous Return
9:30 a.m. How to Decipher Cardiac Catheterization Data Anatomy/morphology — Lindsay S. Rogers Surgery — James E. O'Brien
9:45 a.m. Postoperative Arrhythmias: SVT, JET, Heart Block, VT Postoperative Care and Outcomes — Carina Perez
Maully J. Shah 1:30 p.m. Single Ventricle: Stage 1, Bidirectional Glenn, Fontan With CHD Chitra Ravishankar 1:30 p.m. Single Ventricle: Stage 1, Bidirectional Glenn, Fontan Anatomy/morphology – Lindsay S. Rogers Surgery – Jonathan Chen
10:15 a.m. Sedation and Pain Management After Cardiac Surgery Postoperative Care and Outcomes — Kathryn M. Dodds
Michael P. Goldsmith 2:30 p.m. Growing Up with Congenital Heart Disease Yuli Y. Kim
10:30 a.m. Break 10:40 a.m. Ventricular Septal Defect 2:45 p.m. A Patient Perspective

Wednesday program continued on next page>

 $Meg\, Didier$

ADJOURN

Q & A with Faculty

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3 p.m.

3:30 p.m.

Opening Plenary Session: 4 - 6 p.m.

Intelligence in Pediatric & Congenital Cardiovascular Disease: What Do We Know, What Do We Need to Learn?

Moderators: Joseph Rossano and Jonathan Chen

4 p.m. Welcome to our 27th Anniversary and

Introduction to our Conference Jack Rychik, Course Director

4:10 p.m. Artificial Intelligence: Can It Change Our

Models of Care? Jennifer N. Silva

4:25 p.m. Artificial Intelligence: Is Imaging the Place

Where It Can Have the Greatest Impact in

CHD Care?

Anita J. Moon-Grady

4:40 p.m. Striking a Balance: Data, Wisdom and Wit –

Pulling It All Together to Make Good Decisions in the Sick Child with Congenital

Heart Disease Kiona Y. Allen

4.55 p.m. Emotional Health and Patient-Family

Well-being in Congenital Heart Disease: Current and Future Models of Care

Nadine Kasparian

5:10 p.m. Let's Not Ignore the Economic Costs!

The Financial Impact of Congenital

Heart Disease Diane M. Pickles

5:25 p.m. The Best Care for the Most: How to Extend

Congenital Heart Healthcare to Those with Limited Resources — Does AI Solve or Deepen

this Problem? Keila Lopez

5:40 p.m. The Organ of Inspiration: The Heart in Art

Throughout History

Shira Brisman

5:55 p.m. Closing Remarks

6 p.m. ADJOURN



largest and most
prestigious conferences
focused on pediatric and
congenital cardiovascular
disease, we offer a warm
welcome to our many
returning participants and
greetings to new friends
for joining us.



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Sunrise Session I

7 – 8 a.m. Case-based Presentations Highlighting Practical Principles and Clinical Pearls: How to Read the

Electrocardiogram

Mitchell Cohen, Christopher Janson and

Maully J. Shah

Breakfast sponsored by



Plenary Session II: 8 - 10 a.m.

What's Old is New Again

Moderators: Paul F. Kantor and Paul J. Chai

8 a.m. The Pott's Operation Lives Again!

 ${\it Pirooz\, Eghtesady}$

8:15 a.m. An Old Disease But Still a Nagging Global

Problem - Rheumatic Fever: Prevention and

Early Detection in 2024

Andrea Z. Beaton

8:30 a.m. Pulmonary Arterial Banding: When, How and

in Whom?

Katsuhide Maeda

8:45 a.m. High-tech Imaging Can't Seem to Settle the

Matter in a Complex Case - What to Do?

Let's Get an ECG!

Maully J. Shah and Jack Rychik

9 a.m. New Horizons in the Therapy of Heart Failure:

SGLT2 Inhibitors and Beyond

Daniel P. Kelly

9:15 a.m. A Concept Revisited: Diastole in the Single Ventricle

Mark Friedberg

9:30 a.m. Exercise - Is It the Key to Fontan Circulatory

Success?

Jesse Hansen

9:45 a.m. Panel and Discussion

Faculty

10 a.m. ADJOURN

Sponsored by

Break/Visit the Exhibits 10 – 11 a.m.

Poster Session No. I



Simultaneous Breakout Sessions: 11 a.m. - 1 p.m.

They Have Come for Your Liver... but You're Not Done with It! The Liver in Congenital Heart Disease

Moderators: Elizabeth B. Rand and Salil Ginde

11 a.m. Oh My Gosh! My Patient has Biliary Atresia,

Alagille Syndrome or a Fontan Circulation:

When the Pediatric Cardiologist Needs a Hepatologist

— We Can Help! Elizabeth B. Rand

11:15 a.m. Modalities for Imaging the Liver When There are

Cardiovascular Concerns in the Young

Jonathan Dillman

11:30 a.m. Fontan-associated Liver Disease: Making Progress

Through a QI Project

Salil Ginde

11:45 a.m. Prospective Surveillance of the Liver and Association

of Fibrosis with Other Systems in the Fontan Circulation

Taylor Hartzel Houlihan

Noon Mechanistic Insights into Liver Fibrosis in the

Fontan Circulation *Moira B. Hilscher*

12:15 p.m. Novel Means for Characterizing the Cellular Impact

of Fontan-associated Liver Disease

Liming Pei

12:30 p.m. Novel Functional Characterization of the Liver

in the Fontan Circulation and the Risk of

Hepatocellular Carcinoma

Yuli Y. Kim

12:45 p.m. Panel and Discussion

Faculty

1 p.m. ADJOURN

Thursday program continued on next page>



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THURSDAY, FEB. 15 (continued)

Data Tells the Story ...

Moderators: Michael Gaies and Michael P. Goldsmith

11 a.m. Data Acquisition: Challenges and Opportunities

from the Frontline in Development of a Birth

Defects Registry and Biorepository

Stacy Woyciechowski

11:15 a.m. Data Presentation and Analytics in Congenital

Heart Care
Michael Gaies

11:30 a.m. Data Collection and Machine Learning to

Improve Perioperative Care in the Pediatric

Population

Jayant "Nick" Pratap

11:45 a.m. eHealth Technologies for CHD and

Pediatric Patients

David White

Noon Wearables in Pulmonary Hypertension

Catherine Avitabile

12:15 p.m. Risk Modelling in Congenital Heart Surgery

Tara Karamlou

12:30 p.m. Can Machine Learning Help Inform Acute

Patient Care? Michael P. Goldsmith

1 p.m. ADJOURN

Quality Improvement (QI): Are We Making a Difference?

Moderators: Jeffrey B. Anderson and Shobha S. Natarajan

11 a.m. Principles of QI and Impact in the Pediatric

Cardiology Realm Jeffrey B. Anderson

11:15 a.m. QI 2.0 in the Pediatric Cardiac Center:

Addressing the Next Level of Challenges

Shobha S. Natarajan

11:30 a.m. QI Work: Challenges and Progress in the

Cardiac Intensive Care Unit

David A. Hehir

11:45 a.m. QI Work: Challenges and Progress

in the ECHO Lab $Anitha\ Parthiban$

Noon NPC-QIC - What Have We Achieved and

What Does the Future Hold?

David Brown

12:15 p.m. Pediatric QI Work as a Model for the Fontan

Outcomes Network: What Can We Learn from Other Networks and What are the Possibilities

for Single Ventricle Care?

Carole Lannon

12:30 p.m. ACTION - QI Work in Advanced CHD Therapies:

Challenges and Progress

Angela Lorts

12:45 p.m. Building a Culture of Quality in the Acute Care

Pediatric Cardiology Setting

Dana Gal

1 p.m. ADJOURN

Perfusion Breakout Session I

Current Trends in Pediatric Cardiopulmonary Bypass

Moderators: TBD and TBD

11 a.m. Data Capture and QI: Evaluating and Improving

Performance *Tom Klein*

11:20 a.m. Cardiopulmonary Bypass Prime: Optimizing for

Neonates Aaron Schreck

11:40 a.m. What's Working and What Isn't: Pediatric

Survey Results Tami Rosenthal

Noon FFP Dilemma; To Use it in the CPB Prime or Not?

Asif Padiyath

12:20 p.m. Systemic Cardioplegia: When All Else Fails

Tom Klein

12:40 p.m. Adult Congenital Open-Heart Surgery:

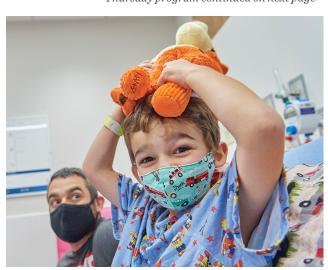
Before and After Surgery, What Should

We Be Considering?

Joseph W. Turek

1 p.m. ADJOURN

Thursday program continued on next page>



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THURSDAY, FEB. 15 (continued)

Thursday Nursing Breakout Session

Old and New Questions: What Does the Evidence Say?

Moderators: Sherry Kubis and Katherine Harrison

11 a.m. Sometimes More is Not More: Does Every Patient

Need Famotidine? Meghan Long

11:20 a.m. Is Sotalol the Best Treatment for JET?

Stacy L. Reynolds

11:40 a.m. Ductal Dependent Feeds: Does Which Way the

Duct Flows Matter?

Molly K. King

Noon Parental Engagement and Neurodevelopmental

Outcomes Angela Gooden

12:20 p.m. What Is Best Practice for Managing Surgical Site

 ${\bf Infections-A\ Role\ for\ Wound\ Vac?}$

 $Christy\,K.\,Bosler$

12:40 p.m. Can a Learning Network Improve Outcomes?

Linda Lambert

1 p.m. ADJOURN

Outdoor Luncheon

1 – 2 p.m.

Sponsored by



Cardiac Center



Moderated Panel of Experts

2 – 3 p.m. This is My Approach to the Following

Challenging Problem ...
Moderator: Stephanie Fuller
Panelists: Joseph W. Turek,
Daniel A. Velez, Paul J. Chai,
William DeCampli, Emile A. Bacha

and Tara Karamlou

3 – 4 p.m. Oral Abstracts

Moderators: Andrew C. Glatz and

Laura M. Mercer-Rosa

4-4:15 p.m. Break

Plenary Session III: 4:15 – 5:15 p.m.

Case-based Experience that Helped Form Who I am as a Cardiac Care Provider ...

Moderator: Alan H. Friedman

Panelists: Meryl S. Cohen, James E. O'Brien, Jack Rychik, Daniel J. Penny, Jonathan J. Rome and William T. Mahle

Plenary Session IV: 5:15 - 6:15 p.m.

Patient & Family Roundtable: A Perspective on Compassion, Innovation and Life Challenges in Cardiovascular Disease

Moderator: Daniel J. Penny

Panelists: Scott Leezer, Taylor Hartzel Houlihan, Lacie Patterson and Thomas Glenn



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Nursing Breakfast Session

7-8 a.m. Cardiac Medication Update: Diuretics,

Heart Failure, Anticoagulation

Lisa Laddish, Stacy L. Reynolds and Kathryn Dodds

Breakfast sponsored by



Sunrise Session II

7 – 8 a.m. Case-based Presentations Highlighting Practical

Principles and Clinical Pearls: Optimizing Care

and Outcomes in Complex CHD

Jesse J. Esch, Thomas Glenn, Jesse Hansen and

Anita Parthiban

Plenary Session V: 8 - 10 a.m.

The Damn Doors Don't Work! Valves in Congenital Heart Disease

Moderators: Matthew A. Jolley and Daniel A. Velez

8 a.m. Characterizing Valve Dysfunction: Delicately

Engineered and More Complex Than You Think!

Matthew A. Jolley

8:15 a.m. Nuances in Characterizing Valvular

Incompetence - ECHO

Lindsay S. Rogers

8:30 a.m. Nuances in Characterizing Valvular

Incompetence – MRI

 $Mark\,A.\,Fogel$

8:45 a.m. Solutions to Aortic Insufficiency

Jonathan Chen

9 a.m. Solutions to the Stubbornly Incompetent Systemic

Atrioventricular Valve in Single Ventricle Defects

Emile A. Bacha

9:15 a.m. Catheter-based Solutions for Atrioventricular

Valve Insufficiency

Matthew J. Gillespie

9:30 a.m. Creating Pulmonary Valve Competence in the

Cath Lab: In Whom and How?

Christopher Petit

9:45 a.m. Panel Discussion Q & A

Faculty

10 a.m. ADJOURN

Break/Visit the Exhibits 10 – 11 a.m.

Poster Session No. II

Sponsored by



Simultaneous Breakout Sessions: 11 a.m. - 1 p.m.

What Can We Do at the Start to Make Sure We Reach Our Destination? Perspectives on Optimizing the Life Trajectory From Fetus/Newborn to the Adult with CHD

Moderators: Stephanie Fuller and Christopher L. Lindblade

11 a.m. TGA — Fetus/Newborn

Sheetal R. Patel

11:15 a.m. TGA — Long Term

Toby A. Rockefeller

11:30 a.m. TOF — Fetus/Newborn

Anita J. Moon-Grady

11:45 a.m. TOF — Long Term

Yuli Y. Kim

Noon HLHS – Fetus/Newborn

Amanda J. Shillingford

12:15 p.m. HLHS — Long Term

Alexander "Sasha" Opotowsky

12:30 p.m. Heterotaxy – Fetus/Newborn

 $Christopher\,L.\,Lindblade$

12:45 p.m. Heterotaxy – Long Term

Jordan Awerbach

1 p.m. ADJOURN

Update on Heart Failure & Transplantation: Case-based Principles and Practice

11 a.m. – 1 p.m. Panel of Case Presentations

Moderators: Aliessa P. Barnes and

Matthew J. O'Connor

Panelists: Steven D. Zangwill, Joseph Spinner, Jennifer Su, Angela Lorts, Irene Lytrivi, Antonio G. Cabrera and Roosevelt Bryant

Ambulatory Cardiology in Pediatric and Congenital Cardiovascular Disease

Moderators: Vivek Allada and Deepti P. Bhat

11 a.m. Case-based Learning: Intuition vs. Evidence in

Pediatric Cardiology: Discordance or Synergy?

Zvi S. Marans

11:15 a.m. Telemedicine in Pediatric Cardiology — No Longer

Revolution but Evolution Tamar J. Preminger

Friday program continues on next page >

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FRIDAY, FEB. 16 (continued)

11:30 a.m. Management of Pediatric Chest Pain: How to

Make the Patient — and the Pediatrician — Happy

Jeffrey B. Anderson

11:45 a.m. What's New in Impact of COVID-19 on the

Pediatric Cardiovascular System

Matthew Elias

Noon Building a Multidisciplinary Fontan Clinic:

Challenges and Opportunities

Deepti P. Bhat

12:15 p.m. Exercise Testing: Is It the Gold Standard for

Assessing Outcomes in Congenital Heart Care?

Stephen Paridon

12:30 p.m. Chat-GPT and AI Generated Ambulatory Care

Robert Palermo

12:45 p.m. Strain Imaging in Pediatric & Congenital

Cardiovascular Conditions: Clinical Value and

Utility in Decision Making

Jamie Harrington

1 p.m. ADJOURN

11:30 a.m. Impella: A Pediatric Experience

Katsuhide Maeda

11:45 a.m. Temporary MCS; How Do We Decide When One

Size Does Not Fit All?

Angela Lorts

Noon HM3 Bivad – How Small Can We Go and Is It

Worth the Challenge *Matthew J. O'Connor*

12:15 p.m. Panel Discussion

Faculty

1 p.m. ADJOURN

Friday Nursing Breakout: Nursing Oral Abstracts

11 a.m. - 1 p.m.

Oral Presentations of the Top 8 Nursing Abstracts: New Knowledge and Innovative Practice

 $Moderators: Kathryn\,Dodds,\,Lisa\,Laddish\,and\,Linda\,Lambert$

Adjourn for the day!

Visit Scottsdale and all it has to offer!

Perfusion Breakout Session II

Transformation in Pediatric Mechanical Circulatory Support

Moderators: TBD and TBD

11 a.m. Berlin Heart Active Experience

Justin Farr

11:15 a.m. From Philadelphia to Phoenix: A Berlin Heart



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EXERCISE YOUR BODY AND YOUR MIND!

6:15 - 8 a.m.

Sponsored by

Registration is required and limited to the first 200 registrants.

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



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Plenary Session VI: 8 - 10 a.m.

Awards and Featured Lectures

8 a.m. Introduction of the Annual Jack Downes Lecturer

Andrew T. Costarino

8:05 a.m. Annual Jack Downes Lecture

Roxanne E. Kirsch

8:20 a.m. Introduction of the Thomas L. Spray Lecturer

Jonathan Chen

8:25 a.m. Annual Thomas L. Spray Lecture

Tara Karamlou

8:40 a.m. Introduction of the Annual Pediatric and Congenital

Cardiovascular Basic Science Lecturer

Daniel P. Kelly

8:45 a.m. Annual Pediatric and Congenital

Cardiovascular Basic Science Lecture

Robert J. Levy

9 a.m. Introduction of the Annual William J. Rashkind

Lecturer Joseph Rossano

9:05 a.m. Annual William J. Rashkind Lecture

Craig A. Sable

9:20 a.m. Introduction of the Rauch Memorial Lecturer

Sherri Kubis

9:25 a.m. Annual Rauch Memorial Lecture

Jean Storey

9:40 a.m. Awards for Best Abstracts

Kathryn M. Dodds and David J. Goldberg

10 a.m. ADJOURN

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Break/Visit the Exhibits 10 – 11 a.m. Poster Session No. III



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

Lymphatics 101: Case-based Principles & Practice

Case-based Principles and Practice

Moderators: Yoav Dori and Jonathan J. Rome

 $Faculty: Christopher\,L.\,Smith, Erin\,Pinto,\,Katsuhide\,Maeda\,and$

Jonathan J. Rome

Healthcare Administration in Pediatric & Congenital Cardiovascular Disease

Moderators: Lawrence Barnes, Lisa Graybill and Kay Stewart-Huey

11 a.m. Approaching the New Challenges Facing Pediatric

Healthcare: Perspective from the CEO of Phoenix

Children's Hospital

Robert Meyer

11:15 a.m. Approaching the New Challenges Facing Pediatric

 $\label{thm:model} \mbox{Healthcare: Perspectives from the CMO at}$

Children's Hospital of Philadelphia

Ron Keren

11:30 a.m. Fostering and Supporting a Spirit of Innovation

and Maintaining Uniqueness in a Congenital

Cardiac Center Mark Schwartz

11:45 a.m. Topic TBD

Speaker TBD

Noon Leadership 101: Creating Change Through

Stakeholder Engagement

Daniel Hyman

12:15 p.m. Meeting the Nursing Workforce Challenges

of the Current Era Sherri Kubis

12:30 p.m. Data-driven Operations in a Cardiac Center

Vivek Allada

12:45 p.m. Q & A

Faculty

1 p.m. ADJOURN

Genetics, Syndromes and Pediatric Cardiovascular Disease

Moderators: Elizabeth Goldmuntz and Jeffrey J. Kim

11 a.m. Hereditary Hemorrhagic Telangiectasia (HHT)

Elizabeth Goldmuntz

11:15 a.m. Aortopathies

Stacey Drant

11:30 a.m. LV Non-compaction

Jeffrey J. Kim

11:45 a.m. Arrhythmia & Channelopathies

Mitchell Cohen

Noon Looking Towards the Future: Preventative Health

and Avoiding Adult Metabolic Syndrome While

Still Young

Carissa Baker-Smith

12:15 p.m. What the Anesthesiologist Needs to Know About

Any Genetics or Syndromes Before Putting a

Cardiac Patient to Sleep?

Asif Padiyath

12:45 p.m. Case-based presentations

Faculty

1 p.m. ADJOURN

Saturday program continued on next page>

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Perfusion Breakout Session III

Changing Dynamics in ECMO Care

Moderators: TBD and TBD

11 a.m. Euroset: U.S. Pediatric Experience

Justin Farr

11:15 a.m. ECPR Simulation: Is It Worth the Time

and Effort — Optimizing Outcomes

Kiona Y. Allen

11:30 a.m. ECMO Equipment Selection: Circuit

Components and Managing Backorders

Post-COVID Tami Rosenthal

11:45 a.m. Anticoagulation for ECMO — The Debate

Continues

Michael Goldsmith

Noon Ethical Dilemmas in Complex ECMO Patients

Roxanne E. Kirsch

12:15 p.m. Panel Discussion

Faculty

1 p.m. ADJOURN

Saturday Nursing Breakout Session

A Case: What I Needed to Learn and Pearls of Wisdom to Share

Moderators: Stacy Reynolds and Angela Gooden

11 a.m. Pearls from a Patient

Marissa Mendoza Bremer

11:20 a.m. Combined Heart-Liver Transplant:

An Unconventional Path to Success

Beth Lang

11:40 a.m. Between a Rock and A Hard Place

Katherine Harrison

Noon Never Close the Door

Carmen H. Watrin

12:20 p.m. Destigmatizing Mental Health Support

in Nursing *Jamie Fitzgerald*

12:40 p.m. The Complexities of Shones Complex

Carina Perez and Molly King

1 p.m. ADJOURN

Nursing Luncheon: 1 – 2 p.m.

Sponsored by



Phoenix Children's

(Boxed Lunch is available for non-Nursing Attendees)

2 – 3 p.m. Moderated Panel of Experts:

A Conversation Amongst the Chiefs – Concerns, Challenges and Opportunities Right Now and for

the Future of Pediatric Cardiology

Moderator: Joseph Rossano

Panelists: Daniel J. Penny, Aliessa P. Barnes, Christopher Petit, William T. Mahle, Paul F. Kantor and Andrew C. Glatz

Plenary Session VII: 3 - 5 p.m.

Innovations in Congenital Heart Care

Moderator: TBD

3 p.m. Fostering and Sustaining Innovation in

Pediatric Healthcare Technologies

Vinay Vaidya

3:15 p.m. Wearable Biosensors in Pediatric

Cardiovascular Disease and AI Analytics

Animesh Tandon

3:30 p.m. Update on the Artificial Placenta —

Where Are We Heading?

Jack Rychik

3:45 p.m. Partial Heart Transplantation

Joseph W. Turek

4 p.m. Novel Neuromonitoring and Neuroprotection

in CHD

Jennifer M. Lynch

4:15 p.m. Can Biomarkers Help Us Improve our

Understanding of Congenital Heart Disease?

Laura M. Mercer-Rosa

4:30 p.m. Advances in Pacemaker Technologies

Maully J. Shah

4:45 p.m. Audience Q & A

Faculty Panel

5 p.m. ADJOURN



SUNDAY, FEB. 18

7 - 8 a.m. Breakfast with Our Nursing

Executives: What Should We Keep Doing?

What Should We Start Doing? What Should We Stop Doing? A moderated panel discussion

Moderators: Kathryn Dodds, Katherine Harrison

Panelists: Jill Haydusko, Katie Penson, Sherri Kubis, Lisa Laddish, Jean Storey, Carmen H. Watrin and Jill Haydusko

Sunrise Session III

7 – 8 a.m. Case-based Presentations Highlighting Practical

Principles and Clinical Pearls: Imaging in Complex Congenital Heart Disease Andrew Cheng, Amanda J. Shillingford,

Mark A. Fogel and TBD

Plenary Session VIII: 8 a.m. – 12:15 p.m.

Clinical Wisdom: Perhaps There is Evidence, or Perhaps Not, But This is What I Do...

Moderators: Wayne J. Franklin and Chitra Ravishankar

8 a.m. PDE-5 Inhibition Following Fontan Circulation

David J. Goldberg

8:15 a.m. Digoxin Use in Single Ventricle

Michael L. O'Byrne

8:30 a.m. Bivalirudin Use in Ventricular Assist Devices

Deepa Mokshagundam

8:45 a.m. Surgery for Vascular Ring

William J. Gibson

9 a.m. CC-TGA With and Without Tricuspid Valve

Regurgitation *Meryl S. Cohen*

9:15 a.m. PVCs in a Structurally Normal Heart

Philip M. Chang

9:30 a.m. Fenestration Creation for Those Undergoing

Fontan Operation Daniel A. Velez

9:45 a.m. Use Sirolimus to Treat Cardiac Rhabdomyoma

in the Fetus Jack Rychik

10 a.m. BREAK

 $10{:}15~\mathrm{a.m.}$ $\;$ To Decide When My Patient Needs a VAD

Matthew J. O'Connor

10:30 a.m. For Serial Surveillance of My Patient with a

Fontan Circulation *Andrew Cheng*

10:45 a.m. When My Patient with Single Ventricle Needs

Anesthesia as an Inpatient or Outpatient

Andreas W. Loepke

11 a.m. For My Patient with Wolff-Parkinson-White

Syndrome

Christopher Janson

11:15 a.m. To Decide When My Patient with a Low

Qp:Qs Ratio Needs to Have Surgery

Alan H. Friedman

11:30 a.m. To Identify the Fetus with a Questionable

Aortic Arch — Do I Start Prostaglandin

Infusion After Birth or Not? Shubhika Srivastava

11:45 a.m. Developing a Nursing Research Role:

The Path is Often Crooked

Linda Lambert

Noon TBD

Speaker TBD

12:15 p.m. ADJOURN

outcomes for our patients throughout the lifespan can only be achieved through continuous update and education. Our community must strive to avail itself of the educational resources necessary to maintain and advance the skills and knowledge base required to provide the best outcomes possible.

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FACULTY

Faculty

Vivek Allada

Children's Hospital of Philadelphia

Kiona Y. Allen

Lurie Children's Hospital of Chicago

Jeffrey B. Anderson

Cincinnati Children's Hospital Medical Center

Catherine Avitabile

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Jordan Awerbach

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William DeCampli

Orlando Health Arnold Palmer Hospital for Children

Meg Didier

Patient Engagement, Global Liver Institute

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Lisa Graybill

 $Phoenix\ Children's\ Hospital$

Faculty continued on next page>

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Lacie Patterson

Sisters by Heart (Valley Center, CA)

Faculty continued on next page>

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