



NEW DATES! AUG. 30 – SEPT. 3,2022

Hyatt Regency, Huntington Beach, Calif.

Learn more at chop.edu/cardiology2022





Dear Colleagues & Friends,

We are currently living through eventful and trying times. As healthcare providers, maintaining focus on our own health and the health of our loved ones is essential, while in parallel we desperately strive to give our patients the strength, support and optimal care they need. Never has there been a time as much as now for our community to avail itself of the resources necessary to maintain and advance the skills and knowledge base required to provide the best outcomes possible for individuals with pediatric and congenital cardiovascular conditions.

It is with this in mind that we present our conference, the **25th Annual Update on Pediatric and Congenital Cardiovascular Disease**. Our theme this year is *The New Normal: Transformation in Pediatric & Congenital Heart Disease*. 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. 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 on our very special 25th anniversary year!

Best wishes and enjoy!

Jack Rychik, for the Organizing Committee, Cardiology 2022

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GENERAL INFORMATION

Topics will include:

- Restoration and transformation of practice in the pandemic era
- Perspectives on pediatric and congenital heart care from around the globe
- Updates on innovative and novel approaches to the practice of pediatric and congenital heart care
- Individualization and variability of treatment strategies unique to the conditions at hand with case-based presentations and opportunities for audience participation and discussion
- Providing optimal surveillance for a variety of cardiovascular conditions
- Conversations on living with congenital heart disease, the social determinants of health and mental health concerns in our patients
- Focus on specific topics such as hypertrophic cardiomyopathy, challenges of the Fontan circulation, surgical challenges in CHD, fetal heart care — and more

Other benefits of attending include:

- Special dedicated sessions for nursing, perfusion specialists and healthcare administrators
- Preconference sessions on the value of 3D echocardiography in valve assessment and other aspects of congenital heart disease, academic skills for the trainee and junior faculty, and an intense CHD primer and review course for nurses and frontline providers
- Opportunities to network and enjoy southern California's attractions: Disneyland, Knott's Berry Farm, whale watching, beach activities and more
- $\bullet\,$ 5K Heart Fun Run and Yoga for Your Heart on the beach
- More than 30 credits for physicians, nurses and perfusion specialists

CALL FOR ABSTRACTS

NEW Abstract Submission Deadline: Thursday, June 30, 2022 (11:59 p.m. EST)

NEW Notification of Acceptance: **Monday, July 11, 2022**

NEW Oral Abstract Presentations: Wednesday, Aug. 31, 2022

NEW Poster Abstract Presentations:
Wednesday, Aug. 31 – Friday, Sept. 2, 2022

Course Objectives for Cardiology 2022

At the completion of this program, the healthcare provider 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
- Outline some of the latest innovations and their potential for changing care in pediatric and congenital cardiovascular disease
- Recall the concepts and new strategies of care and practice for pediatric and congenital cardiovascular disease unique to the current and post-pandemic era
- Explain the emerging importance and influence of social determinants of health on outcomes
- Recognize the importance of psychological wellness and mental health challenges in patients with congenital heart disease
- Review the latest diagnostic and treatment strategies for the young with cardiomyopathy
- Describe management and surgical outcomes for complex congenital heart disease
- Expalin the principles and latest practice of critical heart disease detected in fetal life
- Describe the latest methods for conducting clinical trials and investigational efforts in our field
- Discuss the latest updates on optimal care models for the patient on the cardiology acute care unit
- Comprehend the latest models for the ambulatory care of patients with congenital heart disease
- Identify the newest concepts in anesthesia and critical care for the pediatric and congenital cardiovascular patient
- Discuss the latest techniques and developments in the field of pediatric cardiovascular perfusion
- Recall the underlying principles and best practices for postoperative care by nurses and other front-line providers for the neonate with congenital heart disease
- Explain the challenges and solutions in caring for the patient with a Fontan circulation

Register online: chop.cloud-cme.com

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Registration

The conference will be held Tuesday, Aug. 30, through Saturday, Sept. 3, 2022, at the **Hyatt Regency Huntington Beach Resort and Spa**, Huntington Beach, Calif. Registration is Tuesday, Aug. 30, from 6:30 a.m. to 6 p.m., and Wednesday, Aug. 31, from 6:30 a.m. to 6 p.m.

Course Fees

The registration fee for the five-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 conference gala reception.

Full Conference: Tuesday, Aug. 30, 4 p.m. to Saturday, Sept. 3, noon

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.

No. 3: A Primer and Review: Congenital Heart Disease and Postoperative Management: Comprehensive Review for Nurses and Front-line Providers.....\$150

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 38.5 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:

Tuesday, Aug. 30, 2022 Optional Preconference Seminars: 7:30 a.m. to 3:30 p.m.

No. 1: 3D Echocardiography Workshop: Growing Importance in Valve Assessment & Other Aspects of Congenital Heart Disease = 4.25

No. 2: Academics in Pediatric Cardiology: Key Skills and Tips for the Trainee or Junior Faculty (and, honestly, everyone else as well!) = 2.5

No. 3: A Primer and Review: Congenital Heart Disease and Postoperative Management: Comprehensive Review for Nurses and Front-line Providers = 7.0

Main Conference: Tuesday, Aug. 30, 4 p.m. to Saturday, Sept. 3, 2022, noon

Total AMA PRA Category 1 credits $^{\text{\tiny TM}}$ = 31.5



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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. In order to process refunds for course withdrawals, cancellations must be received in writing by Friday, Aug. 19, 2022. 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 Huntington Beach Resort and Spa in Huntington Beach, Calif. The group rate is \$299 single or double occupancy and \$324 triple occupancy plus a 14% room tax, 7% sales tax and 3.33% HB assessment tax. Participants must reserve their own hotel accommodations by calling 714-698-1234.

For the reduced conference rate, mention the CHOP Pediatric Cardiology Conference when making your reservation. This rate will only be available until Friday, Aug. 5, 2022. Reservations made after Aug. 5 will be accepted on space and rate availability.

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TUESDAY, AUG. 30

Optional Preconference No. 1

3D Echocardiography Workshop: Growing Importance in Valve Assessment and Other Aspects of Congenital Heart Disease

Moderator: Michael Quartermain

8 a.m. Introduction to the Course: Aims and

Objectives and 3D Lessons Learned from

a Valve Center Perspective Michael Quartermain

8:20 a.m. 3D Echo Evaluation of the Common

Atrioventricular Valve Lindsav Rogers

8:40 a.m. 3D Echo Assessment of the Systemic

Atrioventricular Valve in Single Ventricle

Matthew Jolley

9 a.m. 3D Echocardiography in Evaluation

of Conotruncal Anomalies

Pierre Wong

9:20 a.m. Quantitative 3D Echocardiography for

Accurate Assessment of the Cardiac Chambers

and Degree of AVV Regurgitation

Doaa Aly

9:40 a.m. Mutlimodality 3D/4D Imaging (MRI, CT, 3D

Echocardiography) for Complex CHD

Evaluation Ray Lorenzoni

10 a.m. Break

10:15 a.m. 3D Modeling and Printing of the

RV Outflow Tract Sanket Shah

10:35 a.m. Three Dimensional Imaging for Guidance and

Planning of Interventions
Pierre Wong and Matthew Jolley

10:55 a.m. How I Use 3D Echo to Plan the Surgery

Muhammad Nuri

11:15 a.m. Live Imaging: Watch How It's Done

3D Workshop Faculty: Matthew Jolley, Michael Quartermain, Lindsay Rogers

Yan Wang and Pierre Wong

12:30 P.M. ADJOURN

Optional Preconference No. 2

Academics in Pediatric Cardiology: Key Skills and Tips for the Trainee or Junior Faculty (and, honestly, everyone else as well!)

1 p.m. The Mentor-Mentee Relationship:

Making It Work for Both Parties

Monique Gardner

1:15 p.m. Quality Improvement Projects:

What to Ask and How to Execute

Jeffrey Anderson

1:30 p.m. Research Study Design: Tips and

Recommendations

Andrew Glatz

1:45 p.m. The Dos and Don'ts of an Invited Lecture

Daniel Penny

2 p.m. The Key Components of a Good Research Paper

Laura Mercer-Rosa

2:15 p.m. What Am I looking for in a Faculty Candidate?

– The Academic Position

Joseph Rossano

2:30 p.m. What Is the Division Chief Looking for

in a Candidate Applicant for a Job?

- The Clinical Position

Stuart Berger

2:45 p.m. Work, Life and Well-being: The Competitive

Demands and How to Make it Work

Meryl Cohen

3 p.m. Panel Discussion Q & A

Faculty

3:30 P.M. ADJOURN



Optional Preconference No. 3

Congenital Heart Disease and Postoperative Management: A Comprehensive Review for Nurses and Front-line Providers

7:30 a.m. Terminology of "Normal" Cardiac

Anatomy

Lindsay Rogers and Meryl Cohen

7:45 a.m. Screening, Diagnosis and Preoperative

Assessment Kathryn Dodds

8 a.m. Open Heart Surgery: What Is CPB, X Clamp,

Circulatory Arrest?

TBD

8:15 a.m. Early Postoperative Management Issues

and Concerns Maryam Naim

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 Goldberg

9:15 a.m. What the Chest X-ray Can and Cannot Show You

Aaron DeWitt

9:30 a.m. How to Decipher Cardiac Catheterization Data

Stephen Kaine

9:45 a.m. Postoperative Arrhythmias: SVT, JET,

Heart Block, VT Maully Shah

10 a.m. ECMO and Mechanical Support in Children

with CHD

Chitra Ravishankar

10:15 a.m. Sedation and Pain Management after

Cardiac Surgery

Michael Goldsmith

10:30 a.m. Break

10:40 a.m. Ventricular Septal Defect

Anatomy/Morphology - Lindsay Rogers

and Meryl Cohen

Surgery - Ram Kumar Subramanyan

Postoperative Care and Outcomes – Ellize Ergina

11 a.m. Complete Common Atrioventricular Canal Defect

Anatomy/Morphology - Lindsay Rogers and

Meryl Cohen

Surgery - James E. O'Brien

Postoperative Care and Outcomes - Lisa Laddish

11:20 a.m. Tetralogy of Fallot

Anatomy/Morphology - Lindsay Rogers and

Meryl Cohen

Surgery - James E. O'Brien

Postoperative Care and Outcomes - Lisa Laddish

11:40 a.m. Truncus Arteriosus

Anatomy/Morphology - Lindsay Rogers and

Meryl Cohen

Surgery - Ram Kumar Subramanyan

Postoperative Care and Outcomes – Kathryn Dodds

NOON LUNCH

12:30 p.m. Coarctation of the Aorta

Anatomy/Morphology – Lindsay Rogers and

Meryl Cohen

Surgery – Ram Kumar Subramanyan Postop Care and Outcomes – Lisa Laddish

12:50 p.m. D-Transposition of the Great Arteries/

Arterial Switch

Anatomy/Morphology - Lindsay Rogers and

Meryl Cohen

Surgery - Stephanie Fuller

Postoperative Care and Outcomes - Kathryn Dodds

1:10 p.m. Total Anomalous Pulmonary Venous Return

Anatomy/Morphology – Lindsay Rogers and

Meryl Cohen

Surgery - James E. O'Brien

Postoperative Care and Outcomes - Lillian Rosu

1:30 p.m. Single Ventricle: Stage 1, Bidirectional

Glenn, Fontan

Anatomy/Morphology - Lindsay Rogers and

Meryl Cohen

Surgery – Stephanie Fuller

Postoperative Care and Outcomes - Kathryn Dodds

2:30 p.m. Behavioral and Developmental

Concerns in CHD

Daniel Licht

2:45 p.m. Growing Up with Congenital Heart Disease

Yuli Kim

3 p.m. Q. & A

3:30 P.M. ADJOURN

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TUESDAY, AUG. 30

Opening Plenary Session I: 4 - 6:30 p.m.

The New Normal: Restoration and Transformation in Pediatric and Congenital Heart Care

Moderators: Joseph Rossano and Jonathan Chen

4 p.m. Welcome to Our 25th Anniversary and

Introduction to Our Conference

 $Jack\,Rychik$

4:10 p.m. Another New Normal (musical introduction)

Suzie Brown

4:30 p.m. On Responding to Emergencies: Lessons

Learned from the American Red Cross

 $Jack\,McMaster$

4:45 p.m. On Maintaining Healthcare Provider

Wellness on the Front Lines of Care

Subi Shashidaran

5 p.m. On Building Equity and Diversity in the

Pediatric Cardiovascular Healthcare

Provider Workforce

Sowmya Balasubramanian

5:15 p.m. On Exploration of New Approaches to

Cardiovascular Research in the Young

Kristin Burns

5:30 p.m. On Incorporating Genetics into Practice

and Our Quest to Treat Rare Conditions

Seema Mital

5:45 p.m. On Creating New Standards for Quality

Congenital Heart Surgery

Sara Pasquali

6 p.m. On Facilitating the Digital Health Revolution

- New Models of Care in Pediatrics

Bimal Desai

6:15 p.m. On Weaving Innovation into the Fabric

of Congenital Cardiovascular Care

Damien Kenny

6:30 P.M. ADJOURN

Gala 25th Anniversary Celebration!

6:30-8:30 p.m.

Sponsored by







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WEDNESDAY, AUG. 31

7 – 8 a.m. Sunrise Session: Let's Review Some

Electrocardiograms!

Mitchell Cohen and Maully Shah

Plenary Session II: 8 - 10 a.m.

Well, I Certainly Should Know More About That!

Moderators: Paul Kantor and Daniel Penny

8 a.m. Editing Genes *In utero* to Influence Outcomes

William Peranteau

8:15 a.m. Congenital Heart Disease Impacts Extra-

cardiac Organ System Development

Vibeke Hjortdal

8:30 a.m. Predicting Clinical Deterioration in Infants

with Single Ventricle Palliation

Craig Rusin

8:45 a.m. Preventing Sudden Cardiac Death in Athletes

Jonathan Drezner

9 a.m. Characterizing Fibrosis in the Heart

Mark Fogel

9:15 a.m. How Pacing Has Changed: Selectively Pacing

the Conduction System or Pacing the Heart

Without a Wire Maully Shah

9:30 a.m. Converting the Appropriate Child with Fontan

Palliation into a Biventricular Circulation

Paul Chai

9:45 a.m. Panel and Discussion

Faculty

10 A.M. ADJOURN

Break/Visit the Exhibits 10 – 11 a.m.

Poster Session No. 1

Sponsored by



Wednesday, Aug. 31: Simultaneous Breakout Sessions 11 a.m. – 1 p.m.

Current Concepts and Challenges in the Fontan Circulation

Moderators: Kurt Schumacher and David Goldberg

11 a.m. The Potential Impact of a National Registry and Learning Network on Care and Outcomes for Single Ventricle: The Fontan Outcomes

Network

Sasha Opotowsky

11:15 a.m. Bone Health in the Fontan Circulation

Catherine Avitabile

11:30 a.m. A Hepatologist's Perspective on the Liver

in the Fontan Circulation: Experiences from the Fontan FORWARD Multidisciplinary Clinic

Elizabeth Rand

11:45 a.m. Systemic Atrioventricular Valve Regurgitation

in the Single Ventricle: Significance and

Effective Treatment Strategies

Yves d'Udekem

Noon Do Pulmonary Vasodilators Play a Role in

Managing Fontan-associated Liver Disease?

Alexander Egbe

12:15 p.m. Exercise as Medicine in the Fontan Circulation:

What Do We Know and What Still Needs to be

Discovered to Optimize the Benefits?

Elizabeth Goldmuntz

12:30 p.m. Brain Structure and Function in Adults with

Fontan Circulation

Nancy Pike

12:45 p.m. A Programmatic Approach to Successful

Transplantation for the Adult with a Failing

Fontan Circulation $Jamil\,Aboulhosn$

1 P.M. ADJOURN

Surgical Challenges and Perioperative Complications in Congenital Cardiovascular Disease 2022

Moderators: David Winlaw and Jonathan Chen

11 a.m. How Do I Tell the Surgeon About

the Unfavorable Post-op TEE Findings

I Have Just Discovered?

Meryl Cohen

11:15 a.m. Enhanced Recovery after Cardiac Surgery

in Children (ERAS) Joshua Rosenblum

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WEDNESDAY, AUG. 31

11:30 a.m. Variability in Chest Tube Drainage after

Congenital Heart Surgery

Nicolas Madsen

11:45 a.m. Acute Coronary Artery Obstruction Following

Congenital Heart Surgery Michael Goldsmith

Noon Can We Surgically Baffle the Left Ventricle

to a Remote Aorta in Double-outlet RV with

Atrioventricular Canal Defect?

Muhammad Nuri

12:15 p.m. Pulmonary Hypertension in the

Postoperative Patient after Congenital

Heart Surgery Sarah Tabbutt

12:30 p.m. Strategies for Optimal Mechanical Support

in the Failing Fontan Circulation

Iki Adachi

12:45 p.m. Panel Discussion Q & A

Faculty

1 P.M. ADJOURN

Ambulatory Pediatric Cardiology

Moderator: Vivek Allada

11 a.m. The Pros and Cons of Telemedicine in Pediatric

and Congenital Heart Care: What Have We

Learned from COVID-19? Tamar Preminger

11:15 a.m. Facts and Fiction on Vaccine Hesitancy:

The Ambulatory Clinic Conversation about COVID-19 with My Cardiology Families

Matthew Elias

11:30 a.m. The E-stethoscope: Can You Hear Me Now?

Vivek Allada

11:45 a.m. Ambulatory Rhythm Monitoring:

State of the Art Ramesh Iyer

Noon The Approach to the Family Evaluation

Following a Sudden Death Christopher Janson

12:15 p.m. The Approach to the Child with Sickle Cell

Anemia: How the Science Directs What We

Should Do for the Heart

Jon Detterich

12:30 p.m. Efficiencies in the Outpatient Clinic:

Tips and Tricks to Get Through the Day

Aaron Dorfman

12:45 p.m. The Pediatric Cardiologist in Private Practice:

Navigating Relationships with the Partner Institutional Centers to Optimize Outcomes

and Service for My Patient

Vincent Zales

1 P.M. ADJOURN

Pivotal Topics for Pediatric Cardiopulmonary Bypass

Moderators: Christos Calaritis and Tami Rosenthal

11 a.m. Multimodality Neuromonitoring to Improve

Cardiopulmonary Bypass Safety: A Case Report

Christos Calaritis

11:15 a.m. Exploring the Relationship Between DO2i

and Post-op Acute Kidney Injury in Pediatric

Cardiac Surgery Molly Dreher

11:30 a.m. Unique Considerations for the Patient

Undergoing Complex Adult Congenital

Heart Repair Stephanie Fuller

11:45 a.m. Managing Complex Neonatal Care for

Cardiopulmonary Bypass

Andreas Loepke

Noon Integrating New Technologies to Improve

Patient Safety for Cardiopulmonary Bypass

Tami Rosenthal

12:15 p.m. Taking Time Out for Perfusion QI in a Busy

Cardiac Program *Kellie Schiavo*

12:30 p.m. Case-based Clinical Scenarios

and Audience Q & A

Faculty

1 P.M. ADJOURN

Hot Topics in Pediatric Cardiac Nursing and APP Practice: Challenges, Controversies and Opportunities

11 a.m. What's Old Is New: Using Swans to Measure

CO in the CICU? *Meg Cates*

11:15 a.m. Caring for the Postoperative Adult Congenital

Heart Patient in a Pediatric Hospital

Flerida Imperial-Perez

11:30 a.m. Electrophysiology and EMR Integration: A Safer

Future for Patients?

Leann Miles

11:45 a.m. Burnout in the CICU: How Can We Prevent This?

Austin Turnbull

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WEDNESDAY, AUG. 31

Noon Challenges Confronting Adults with CHD

Mallory Gahm

12:15 p.m. Dexmedetomidine/Clonidine Management

Carol Okuhara

12:30 p.m. Circadian Rhythms in the ICU: Do They Matter?

Sandra Staveski

12:45 p.m. Quality Improvement Initiative Reduces Chest

Tube Duration in Pediatric CT Surgery Patients

Amelia St. John

1 P.M. ADJOURN

Outdoor Luncheon

1 - 2 p.m.

Top Five Best Scientific Abstracts 2 – 3:15 p.m.

Ten-minute presentation and five-minute Q & A on this year's most interesting and provocative scientific abstracts

Plenary Session III: 3:15 - 6:45 p.m.

Let Me Make My Case: Deciding Which Course Is Best in Complex Conditions ... a "Watercooler" Encounter

Moderator: Jack Rychik

Scenario 1 The Fontan Patient with Protein-losing

Enteropathy Who Has Failed Medical Management: Heart Transplantation

or Lymphatic Intervention? Justin Weigand (questioner) Yoav Dori (discussant) Kurt Schumacher (discussant)

Scenario 2 The Neonate with Critical Aortic Stenosis:

Surgical Valvotomy or Balloon

Valvuloplasty?

Michael Quartermain (questioner) David Winlaw (discussant) Diego Porras (discussant)

Scenario 3 Improving Professional Nursing

Autonomy: Why Should This Be a Goal and How Can We Accomplish This?

Sherri Kubis (questioner)
David Romberger (discussant)
Lisa Laddish (discussant)

Scenario 4 The Neonate with Ebstein's Anomaly/

Dysplastic Tricuspid Valve with Severe Regurgitation: Best Surgical Strategy? Monique Gardner (questioner)

Monique Garaner (questioner) Joseph Dearani (discussant)

Ram Kumar Subramanyan (discussant)

Scenario 5 The Patient with a Significant Residual

Lesion Following Surgery: Back to Surgery,

to the Cath Lab or Leave it Alone?

Ben Kozyakle (questioner) Jonathan Chen (discussant) Richard Ohye (discussant)

Scenario 6 The Patient with TOF/Pulmonary Atresia,

Hypoplastic Pulmonary Arteries and MAPCAS:

Optimal Strategy for Treatment? Holly Bauser-Heaton (questioner) Michael Ma (discussant) Muhammad Nuri (discussant)

Scenario 7 The Situation Is Probably Hopeless:

Should We Go Back to the Operating Room

or Offer Palliative Care?

Aaron DeWitt (questioner)

Roxanne Kirsch (discussant)

Cynthia Herrington (discussant)

Scenario 8 To VAD or Not to VAD, That Is the Question

Jonathan Edelson (questioner) Christopher Almond (discussant) David Morales (discussant)

5:30 – 5:45 p.m. Break

Conversations: Living with Congenital Heart Disease: The Direct Impact on Our Lives: A Panel Discussion Among Individuals Personally Affected by CHD 5:45 – 6:45 p.m.

Yuli Kim [Moderator/Lead]; Matthew Files; Thomas Glenn; Taylor Hartzel Houlihan; Diane Pickles; Michelle Steltzer

6:45 P.M. ADJOURN

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THURSDAY, SEPT. 1

7 – 8 a.m. Sunrise Session I: Coffee & Talk – Case-based Lessons in Critical Care

Venkat Shankar [Moderator/Lead];

Sarah Tabbut; Antonio Cabreras; Maryam Naim

7 – 8 a.m. Sunrise Session II: Coffee & Talk –

Case-based Lessons in Fetal Cardiovascular Disease

Amanda Shillingford [Moderator/Lead];

Miwa Geiger; Nitin Madan; Jodie Votava-Smith

7 – 8 a.m. Sunrise Session III: Coffee & Talk –

Case-based Lessons in Heart Failure in

Congenital Heart Disease

Matthew O'Connor [Moderator/Lead]; Suzie Brown; Angela Lorts; JD Menteer

7 – 8 a.m. Sunrise Session IV: Nursing and Advanced

Practice Provider Pharmacology Review
Louise Callow; Emily Collisson; Kathryn Dodds

Plenary Session IV: 8 - 10 a.m.

Success and Survival!

Now How to Best Follow and Provide Quality Surveillance for My Patient with ...

Moderators: Stuart Berger and Mark Lewin

8 a.m. COVID-19 Infection and Cardiovascular

Concerns in the Young?

Matthew Oster

8:15 a.m. A Dilated Aorta after Norwood Aortic

Reconstruction?

Michael DiMaria

8:30 a.m. Kawasaki's Disease?

Audrey Dionne

8:45 a.m. A Fontan Circulation?

Kathryn Dodds

9 a.m. D-Transposition of the Great Arteries?

Ali Zaidi

9:15 a.m. A Heart Transplant?

Elizabeth Blume

9:30 a.m. A Systemic Right Ventricle?

Jonathan Menachem

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

Faculty

10 A.M. ADJOURN

Break/Visit the Exhibits 10 – 11 a.m.

Poster Session No. 2

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

Look at the Data and Tell Me if This Can (or Should) Be Done?

Moderator: Meryl Cohen

11 a.m. – 1 p.m. Case-based Discussions on Institutional Perspectives with Imaging and Surgical Experts Jonathan Chen and Meryl Cohen (CHOP); Richard Ohye and Thor Thorsson (C.S. Mott); James O'Brien and Sanket Shah (Mercy Children's); Ram Kumar Subramanyan and Pierre Wong (CHLA)

Quality Improvement: Theory and Practice in Pediatric and Congenital Cardiovascular Care

Moderators: Jeffrey Anderson and Shobha Natarajan

11 a.m. Principles of Quality Improvement Science

Jeffrey Anderson

11:15 a.m. Learning Networks and How They Change

Practice and Outcomes

Carole Lannon

11:30 a.m. NPC-QIC and the Continuing Effort

to Improve Care for Infants and Young

Children with HLHS

David Brown

11:45 a.m. Herding Cats: Real Work Application

of Quality Improvement Shobha Natarajan

Noon Quality Improvement in the CICU

David Hehir

12:15 p.m. ACTION - Quality Improvement Efforts

in Pediatric Heart Failure

Angela Lorts

 $12{:}30~\mathrm{p.m.}$ $\,$ Quality Improvement in the Cardiac Cath Lab

Jeffrey Zampi

12:45 p.m. Panel Discussion Q & A

Faculty

1 P.M. ADJOURN

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THURSDAY, SEPT. 1

Hypertrophic Cardiomyopathy, Causes of Sudden Cardiac Events and Exercise

Moderators: Joseph Rossano and Maully Shah

11 a.m. Genetics and Outcomes in Pediatric

Cardiomyopathy

Danielle Burstein

11:15 a.m. Imaging Perspectives in Hypertrophic

Cardiomyopathy

Matthew O'Connor

11:30 a.m. Predicting Sudden Cardiac Death

in Hypertrophic Cardiomyopathy

Seema Mital

11:45 a.m. Indications for an ICD and Their Impact on Life

Mitchell Cohen

Noon Surgical Options in Hypertrophic

Cardiomyopathy Joseph Dearani

12:15 p.m. Sports Participation and Your Heart

in Hypertrophic Cardiomyopathy -

When Is it OK? Sharlene Day

12:30 p.m. Case-based Clinical Scenarios

and Audience Q & A

Faculty

1 P.M. ADJOURN

Out of the ICU and On Track to Go Home: The Cardiac Care Unit

Moderators: Chitra Ravishankar and Nicolas Madsen

11 a.m. What I Need to Make Sure of as I Transition

My Patient from the Intensive Care to the

Acute Care Unit
Maryam Naim

11:15 a.m. The Acuity Adaptable Geographic Cardiac Care

Unit: Design and Implementation

Amy Lay

11:30 a.m. Optimal Modalities and Strategies

for Monitoring the Patient in the Cardiac

Care Unit Alaina Kipps

11:45 a.m. Feeding Challenges in the Newborn with

Congenital Heart Disease Chitra Ravishankar

Noon Arrhythmia Monitoring and Management

in the Acute Care Unit

 $Ronn\ Tanel$

12:15 p.m. Utilization of Advanced Practice Providers

in the Cardiac Care Unit

Kerri Lombardi

12:30 p.m. How to Prepare the Family and Plan

for Discharge: Nursing Perspective

Ashley Phillips

12:45 p.m. Efficiency in Discharge from Acute Care

Nicolas Madsen

1 P.M. ADJOURN

What's the Latest at the Forefront of Mechanical Circulatory Support?

Moderators: Renee Axdorff-Dickey and Tami Rosenthal

11 a.m. VAD Explant: How Do We Get There?

Matt O'Connor

11:15 a.m. The Impella Experience in Pediatrics

Jonathan Edelson

11:30 a.m. Inclusion and Exclusion Criteria for Listing

for Heart Transplant after VAD Implant?

David Morales

11:45 a.m. The VAD Market Without "Heartware"?

Joseph Rossano

Noon HM3 Care and Discharge Planning -

A Novel Approach to a Technologically Complicated Patient: Case Lessons

Rachel White

12:15 p.m. Case-based Clinical Scenarios, Panel Discussion

and Audience Q & A

Faculty

1 P.M. ADJOURN



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THURSDAY, SEPT. 1

Nursing Oral Abstracts: New Knowledge and Innovative Practice 11 a.m. – 1 p.m.

FREE TIME!

Visit beautiful Southern California and all it has to offer.

Virtual Session - View on Your Own

Pediatric and Congenital Heart Care Around the Globe

(Virtual Session: Available Until Noon Sunday)

1 p.m. Congenital Heart Disease Care in the Persian Gulf:

What Have We Accomplished and What Yet Needs

to be Done?

Anas Abu Hazeem

1:15 p.m. COVID-19: Disease Impact on Pediatric

Cardiovascular Care and Vaccination Strategies

in Israel Einat Birk

1:30 p.m. Practice Opportunities and Challenges

in Managing Congenital Heart Disease in a Busy Clinic

in Mexico City Alfonso Martinez

1:45 p.m. Congenital Heart Disease Care in Ethiopia:

Challenges and Opportunities for Improving Care

to Children in Africa

Yayehyirad (Yayu) Mekonnen Ejigu

2 p.m. Developing an Effective Program for Managing

 $\begin{array}{c} \text{HLHS in Poland} \\ \textit{Tomasz Mroczek} \end{array}$

2:15 P.M. ADJOURN



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CARING FOR KIDS' HEARTS



EXERCISE YOUR BODY AND YOUR MIND!

WHEN: Friday, Sept. 2, 2022

START TIME: 6:15 a.m.

WHERE: Hyatt Regency Huntington Beach, Calif. (Registration required and limited to the first 200 registrants)

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







YOGA FOR YOUR HEART (AND MIND)

Friday 6:15 - 7:30 a.m.

Where: Hyatt Regency Huntington Beach, Calif.

Fee: \$10



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FRIDAY, SEPT. 2

Awards and Featured Lectures: 8 - 10 a.m.

8 a.m. Introduction of the Annual Jack Downes

Lecturer

Andreas Loepke

8:05 a.m. Annual Jack Downes Lecture

Robert Berg

8:20 a.m. Introduction of the Annual C. Walton

Lillehei Lecturer

Jonathan Chen

8:25 a.m. Annual C. Walton Lillehei Lecture

Vaughn Starnes

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

and Congenital Cardiovascular Basic

Science Lecturer *J. William Gaynor*

8:45 a.m. Annual Pediatric and Congenital

Cardiovascular Basic Science Lecture

Catherine Limperopoulis

9 a.m. Introduction of the Annual

William J. Rashkind Lecturer

Joseph Rossano

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

 $Jack\,Rychik$

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

Sherri Kubis

9:25 a.m. Annual Rauch Memorial Lecture

Stacey Lihn

9:40 a.m. Awards for Best Abstracts

Kathryn Dodds and David Goldberg

10 A.M. ADJOURN



Break/Visit Exhibits 10 – 11 a.m.

Poster Session No. 3

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

Conversations on Tetralogy of Fallot: Optimizing Outcomes for the Lifespan Trajectory from Fetus to Adult

11 a.m. – 1 p.m. Panel Discussion-Daniel Penny (Moderator); David Winlaw; Jeffery Zampi; Laura Mercer-Rosa; Elizabeth Goldmuntz; Glen Van Arsdell; Anitha John

Critical Heart Disease Detected in Fetal Life: Prenatal Recognition, Delivery Room Management and Postnatal Treatment

Moderators: Jay Pruetz and Mary Donofrio

11 a.m. Measuring Cerebral Tissue Oxygenation

in the Fetus with Congenital Heart Disease

Shabnam Peyvandi

11:15 a.m. Monitoring the Vulnerable Period Between

Delivery and Surgical Treatment to Improve

Neurological Outcomes

Jennifer Lynch

11:30 a.m. Specific Problem #1: How Best to Manage

When There Is Obstructed Total Anomalous

Pulmonary Venous Connection?

Jay Pruetz

11:45 a.m. Specific Problem #2: How Best to Manage

When There Is HLHS with Restrictive or

Intact Atrial Septum?

Anita Moon-Grady

Noon Specific Problem #3: How Best to Detect

Prenatally and Manage When There Is Transposition of the Great Arteries with Suspicion of Restrictive or Intact Atrial

Septum? Sheetal Patel

12:15 p.m. Specific Problem #4: How Best to Manage

TOF with Absent Pulmonary Valve

Mary Donofrio

12:30 p.m. A Model of Prenatal Stratification for

Immediate Postnatal Care – Delivery Classification and The IMPACT Strategy

Jack Rychik

continued on next page>

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♥ FRIDAY, SEPT. 2

12:45 p.m. How Best to Counsel Families in Challenging

Fetal Conditions When the Outcomes Are

Uncertain? Miwa Geiger

1 P.M. ADJOURN

Healthcare Administration in Pediatric & Congenital Cardiovascular Disease 2022

Moderators: Paul Viviano and Lawrence Barnes

11 a.m. Key Performance Indicators in Pediatric

Cardiovascular Care: Data Driven to Create Value

Vivek Allada

11:15 a.m. Making Good Decisions Quickly:

Ideal Governance Models for a Pediatric

and Congenital Heart Institute

Paul Kantor

11:30 a.m. Balancing Hospital and Practice Needs

to Optimize Shared Objectives

Lara Khouri

11:45 a.m. Developing a Comprehensive Care Model

in a Dispersed Patient Population

Mark Lewin

Noon Managing Hospital Logistics During

a Pandemic *Debbie Smith*

12:15 p.m. Specialized Programs of Care Within a Cardiac

Center – From Concept to Reality: How Investment in Expertise and Resources

Enhances Value and Return

Mark Schwartz

12:30 p.m. Best Practices for Recruitment and Retention

of Key Personnel: Lessons Learned

Robert Shaddy

12:45 p.m. Panel Discussion Q & A

Faculty Panel

1 P.M. ADJOURN

Visionary Approaches to ECMO

Moderators: Molly Dreher and Kelli Schiavo

11 a.m. Organizing an Interhospital ECMO

Transport Program

Renee Axdorff-Dickey

11:15 a.m. Racial and Ethnic Variability in ECMO Use

Marissa Brunetti

11:30 a.m. Neuromonitoring on ECMO: Where Are

We "Heading" Christos Calaritis

11:45 a.m. ECMO Timing and Patient Selection: Is There

an Optimal Strategy? Asavari Kamakar

Noon Optimizing ECPR: Then and Now

Myke Federman

12:15 p.m. Panel Discussion and Audience Q & A

Faculty

1 P.M. ADJOURN

Clinical Case Scenarios:

Lessons Learned from Challenging Cases for Nursing

and Advanced Practice Providers 11 a.m. – 1 p.m.

Meghan Yowell, Michelle Steltzer, Valeria Amezola,

Alex Tabone, Laura Martis, Michele Krenek, Louise Callow,

Erin Messing

Lunch

1 - 2 p.m.

Nursing Luncheon Sponsored by





*Boxed Lunch for non-Nursing Attendees

Conversations: Psychosocial Functional Outcomes and Mental Health Concerns in Congenital Heart Disease Throughout the Spectrum of Care

2 - 3 p.m.

Nadine Kasparian (Moderator), Melissa Cousino, Abby Demianczyk, Roberta Williams, Kelly Wolfe

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6 P.M. ADJOURN

Plenary Session V: 3 - 6 p.m.

Clinical Trials and Investigational Methods in Pediatric and Congenital Cardiovascular Disease

Moderators: J. William Gaynor and John Charpie

3 p.m. Creating a Body of Evidence-based

Knowledge on Pediatric and Congenital

Cardiovascular Nursing Science

Martha A. Q. Curley

3:15 p.m. Using Big Data to Improve Outcomes in

the Cardiac ICU

Barbara Jo Achuff

3:30 p.m. Experiences in Study Design and

Implementation: Will Delayed Cord Clamping Improve Outcomes in CHD?

Carl Backes

3:45 p.m. Experiences in Study Design and

Implementation: Is Ductal Stenting Better than a Shunt for Pulmonary Blood Flow?

The COMPASS Trial

Andrew Glatz

4 p.m. The SVR Trial: Impact on the Field,

Knowledge Gained and Lessons Learned

Caren Goldberg

4:15 p.m. Drug Trials in Pediatric Cardiovascular

Conditions: Past, Present and Future

Robert Shaddy

4:30 p.m. In Search of Optimal Drug Therapy for

the Fontan Circulation: Lessons Learned from The FUEL Trial and Where Do We Go

from Here?

David Goldberg

4:45 p.m. The Trial Within a Registry Concept: Studying

Steroid Use after Congenital Heart Surgery and the Global Rank Score as a Model for More

Efficient Clinical Trials

Kevin Hill

5 P.M. ADJOURN

Social Determinants of Health in Childhood Heart Disease: Making a Difference in Our Daily Practice What Are the Social Determinants of Healthcare Outcomes? 5 – 6 p.m.

Moderator: Keila Lopez Paul Stephens, Kristin Burns, Antonio Cabreras, Shabnam Peyvandi

Wine & Wisdom: Reception and Scientific Poster Session

6 – 7 p.m.

Sponsored by





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SATURDAY, SEPT. 3

7 – 8 a.m. Sunrise Session IV: Coffee & Talk: Casebased Lessons in Cardiac Catheterization

Diagnostics and Interventions

Stephen Kaine [Lead/Moderator]; Darren Berman; Athar Qureshi; Jeffrey Zampi

7 – 8 a.m. Sunrise Session V: Coffee & Talk: Case-based

Lessons in Imaging

Laura Mercer-Rosa [Moderator/Lead]; Mark Fogel; Joshua Robinson; Lindsay Rogers

7 – 8 a.m. Sunrise Session VI: Coffee & Talk: A Difficult

Situation - But I Figured It Out!

Ben Kozyak [Moderator/Lead], Barbara-Jo Achuff, Matthew Files, Tomasz Mroczek,

Martin Zahorec

Plenary Session VI: 8 a.m. - 12:30 p.m.

You Think This Is Simple? Think Again!

Moderators: Craig Fleishman and Alan Friedman

8 a.m. How Best to Medically Treat Congestive

Heart Failure in the Young Christopher Almond

8:15 a.m. Treating Pulmonary Hypertension in

the Premature Infant *Brian Birnbaum*

8:30 a.m. Providing Palliative Care for My Child

with CHD Elizabeth Blume

8:45 a.m. Successfully Providing Care for an

Angry Family Aaron DeWitt

9 a.m. Caring for the Child with Turner Syndrome

and Heart Disease

Aaron Dorfman

9:15 a.m. Optimizing Care for the Patient at Risk

for Aortopathy Stacey Drant

9:30 a.m. Applying Echocardiographic Strain Imaging

to Aid in Clinical Decision-making

Dan Forsha

9:45 a.m. Options for Anticoagulation in the Child

with Congenital Heart Disease

Therese Giglia

10 a.m. BREAK

10:15 a.m. New Therapies for Treatment of Early

Postoperative Arrhythmias

Christopher Janson

10:30 a.m. Staffing the Nursing Needs in a Busy

Cardiovascular Center: Creating Opportunities for Education, Life-work Balance and Professional Satisfaction

Sherri Kubis

10:45 a.m. Deciding When to Close a Ventricular

Septal Defect Grace Kung

11 a.m. Administering Anesthesia to the Cardiac

Patient for Non-cardiac Procedures

 $And reas\, Loepke$

11:15 a.m. Individualizing Techniques for the

"Double-switch" Operation

 $Muhammad\,Nuri$

11:30 a.m. Managing Pediatric Syncope

Lindsey Malloy-Walton

11:45 a.m. Managing the Pediatric Patient with

Bicuspid Aortic Valve Joshua Robinson

Noon Running ECMO for an Extended Period

of Time Tami Rosenthal

1 unit 11000ntinut

12:15 p.m. Prenatal Diagnosis of Coarctation of

the Aorta *Gary Satou*

12:30 P.M. ADJOURN

Best wishes and thanks for attending our 25th anniversary year of the Pediatric & Congenital Cardiovascular Disease Conference!

HOPE TO SEE YOU AGAIN NEXT YEAR!

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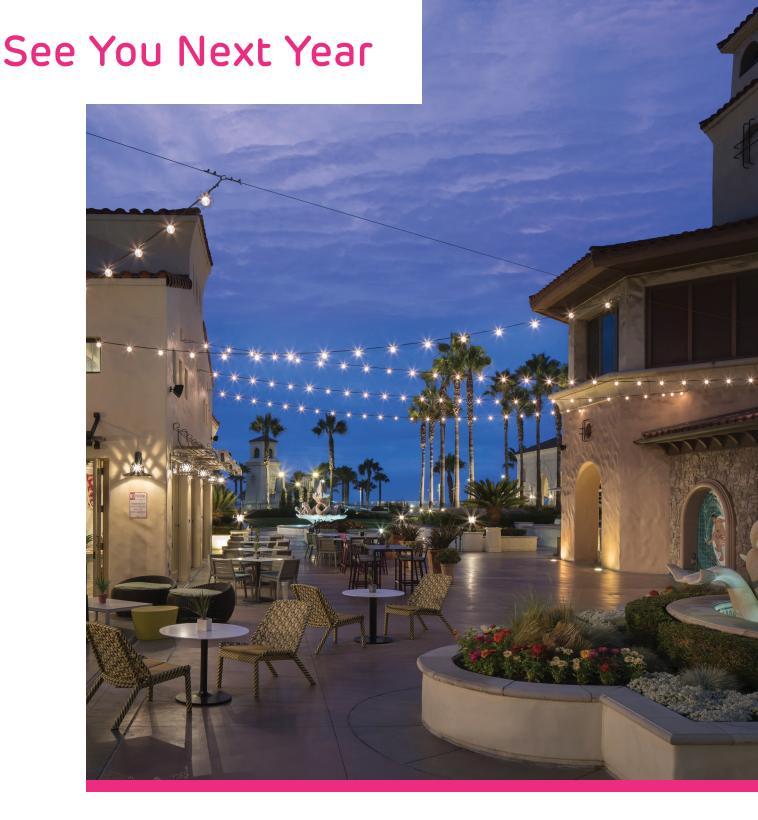
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Stay tuned for further information!

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