

CARDIOLOGY 2022

PROGRAM

25th

Annual Update on
Pediatric and Congenital
Cardiovascular Disease

THE NEW NORMAL:

Transformation
in Pediatric
and Congenital
Heart Care



AUG. 30 – SEPT. 3, 2022
Hyatt Regency, Huntington Beach, Calif.

Learn more at
chop.edu/cardiology2022

 **Children's Hospital
of Philadelphia®**
Cardiac Center

WELCOME



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

PRECONFERENCE PROGRAM

♥ TUESDAY, AUG. 30

Optional Preconference No. 1

Driftwood Room

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
Lindsay 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. Multimodality 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

Catalina Room

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

North Huntington Ballroom

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

Moderators: Kathryn Dodds, Lisa Laddish, Ellize Ergina, Lillian Rosu

- 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?
Kirsten Young
- 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

- 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
Nancy Pike
- 2:45 p.m. Growing Up with Congenital Heart Disease
Yuli Kim
- 3 p.m. Q & A
- 3:30 P.M. ADJOURN

♥ TUESDAY, AUG. 30

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

Grand Ballroom D-G

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
Subhadra Shashidharan
- 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!

Lighthouse and California Courtyard

6:30–8:30 p.m.

Sponsored by



♥ WEDNESDAY, AUG. 31

7 – 8 a.m. Sunrise Session: Let's Review Some
Electrocardiograms!
Huntington Ballroom North and South
Mitchell Cohen and Maully Shah

Plenary Session II: 8 – 10 a.m.

Grand Ballroom D-G

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
Grand Ballroom G-E

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
North Huntington Ballroom

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

continued on next page>

♥ 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 South Huntington Ballroom

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 Catalina Room

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
Erica Lin
- 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 Grand Ballroom D

Moderators: Meg Cates and Carol Okuhara

- 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

continued on next page>

♥ WEDNESDAY, AUG. 31

- 11:45 a.m. Burnout in the CICU: How Can We Prevent This?
Amanda Seelhorst
- 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., Courtyard

Top Five Best Scientific Abstracts

2 – 3:15 p.m., Grand Ballroom D-G

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

Plenary Session III: 3:15 – 5:30 p.m.

Grand Ballroom D-G

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)
Paul Chai (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 Kozyak (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., Grand Ballroom D-G

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

6:45 P.M. ADJOURN

♥ THURSDAY, SEPT. 1

- 7 – 8 a.m. Sunrise Session I: Coffee & Talk – Case-based Lessons in Critical Care
Driftwood Room
Venkat Shankar [Moderator/Lead]; Sarah Tabbut; Antonio Cabrerias; Maryam Naim
- 7 – 8 a.m. Sunrise Session II: Coffee & Talk – Case-based Lessons in Fetal Cardiovascular Disease
North Huntington Ballroom
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
South Huntington Ballroom
Matthew O'Connor [Moderator/Lead]; David Rosenthal; JD Menteer
- 7 – 8 a.m. Sunrise Session IV: Nursing Coffee and Talk – Cardiac Medications: A Case of Heart Failure
Grand Ballroom D-G
Louise Callow; Heather Collins; Kathryn Dodds

Plenary Session IV: 8 – 10 a.m.

Grand Ballroom D-G

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?

Grand Ballroom E-G

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

Vista Ballroom

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
David Rosenthal

12:30 p.m. Quality Improvement in the Cardiac Cath Lab
Jeffrey Zampi

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

1 P.M. ADJOURN

♥ THURSDAY, SEPT. 1

Hypertrophic Cardiomyopathy, Causes of Sudden Cardiac Events and Exercise

North Huntington Ballroom

Moderators: Joseph Rossano and Mautly 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

South Huntington Ballroom

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?
- Catalina Ballroom
- Moderators: Molly Dreher and Kellie Schiavo
- 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
Cory Waters
- 12:15 p.m. Case-based Clinical Scenarios, Panel Discussion and Audience Q & A
Faculty
- 1 P.M. ADJOURN



♥ THURSDAY, SEPT. 1

Nursing Oral Abstracts: New Knowledge and Innovative Practice

11 a.m. – 1 p.m., Grand Ballroom D

Moderators: Lisa Laddish, Nancy Pike, Kathryn Dodds

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 HLHS in Poland
Tomasz Mroczek
- 2:15 P.M. ADJOURN



HEART RUN 5K

CARING FOR KIDS' HEARTS



EXERCISE YOUR BODY AND YOUR MIND!

WHEN: Friday, Sept. 2, 2022

START TIME: 6:15 a.m.

WHERE: HUNTINGTON BEACH



YOGA FOR YOUR HEART (AND MIND)

Friday 6:15 – 7:30 a.m.

Where: Huntington Beach

Fee: \$10



♡ FRIDAY, SEPT. 2

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

Grand Ballroom D-G

- 8 a.m. Introduction of the Annual Jack Downes Lecturer
Maryam Naim
- 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 Limperopoulos
- 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

Grand Ballroom E-G

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

North Huntington Ballroom

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>



♥ 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 South Huntington Ballroom

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 Catalina Room

Moderators: Tami Rosenthal and Renee Axdorff-Dickey

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., Grand Ballroom D

Moderators: Michelle Steltzer, Louise Callow

Meghan Yowell, Michelle Steltzer, Valeria Amezola, Alex Tabone, Laura Martis, Michele Krenek, Louise Callow, Erin Messing

Lunch

1 – 2 p.m., Courtyard

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., Grand Ballroom D-G

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

Plenary Session V: 3 – 6 p.m.

Grand Ballroom D-G

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

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., Grand Ballroom D-G

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

Wine & Wisdom: Reception and Scientific Poster Session

6 – 7 p.m., Foyer

Sponsored by



♡ SATURDAY, SEPT. 3

- 7 – 8 a.m. Sunrise Session IV: Coffee & Talk – Case-based Lessons in Cardiac Catheterization Diagnostics and Interventions
North Huntington Ballroom
*Stephen Kaine [Lead/Moderator];
Darren Berman; Athar Qureshi; Jeffrey Zampi*
- 7 – 8 a.m. Sunrise Session V: Coffee & Talk – Case-based Lessons in Imaging
South Huntington Ballroom
*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!
Driftwood Room
Ben Kozyak [Moderator/Lead], Barbara-Jo Achuff, Tomasz Mroczek, Martin Zahorec

Plenary Session VI: 8 a.m. – 12:30 p.m. Grand Ballroom D-G

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
Erica Lin
- 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
- 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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26th Annual Update on
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