Congenitally Corrected Transposition of the Great Arteries: Management and Outcomes from Infancy to Adulthood

4th Annual Advances in Pediatric and Congenital Heart Summit

October 17-19, 2019
InterContinental Hotel and Bank of America Conference Center, Cleveland, OH

Featuring:

Robert Anderson, MD
University College London
London, England

Dr. Anderson will give a primer of the complex morphologic spectrum of CCTGA and how this may influence treatment strategies.

Echo Workshop
A comprehensive session exploring aspects of echocardiography and other imaging modalities in the diagnosis and assessment of CCTGA.

CICU Simulation Workshop
Participate in high fidelity simulation-based education examining current strategies in immediate perioperative single ventricle management.

Register Today! www.ccfcme.org/pediatricheart19
Join us and learn what is new in CCTGA

The Summit will kick off with an update on the current standard of care and management of patients with cardiovascular disease. The next day and a half will highlight recent advances in clinical medicine including 3D modelling and surgical repair. Also addressed will be how catheter interventions have improved outcomes for patients with congenital heart disease including congenitally corrected transposition of the great arteries (CCTGA). The Summit will incorporate team-based management of complex congenital heart disease and review the importance of avoiding authority gradients, communication, feedback, and mutual understanding.

Patient experiences featuring a severe form of CCTGA, a rare defect that affects heart function and oxygenation levels will be shared. You will see how 3-D printing-guided surgery changed this patient’s quality of life.

The Summit will feature an in-depth ECHO Workshop highlighting CCTGA cases and, NEW this year, a CICU simulation workshop that will focus on management of the high-risk single ventricle population, incorporating evidence-based practice and contemporary data.

Who Should Attend

The Summit is targeted to anesthesiologists, cardiologists, critical care, cardiothoracic surgeons, pediatricians, OB-GYNs, perfusionists, and other health care providers interested in congenital heart disease.

By Attending You Will Be Able To:

• Compare the outcomes data on the available treatment options for both pediatric and adult patients with congenital heart disease, especially those with congenitally corrected transposition of the great arteries.
• Compare the surgical options for congenitally corrected transposition of the great arteries and long-term outcomes.
• Describe procedures for managing complications and treatment failures in patients with congenitally corrected transposition of the great arteries.
• Discuss the factors influencing the timing and selection of interventions for repair of CCTGA.
• Review recent revisions to guidelines on congenital heart disease, including the management of adults with congenital heart disease.
• Summarize the most recent updates on pathophysiology, imaging, and genetics of congenital heart disease.

Activity Directors

Hani Najm, MD
Chair, Pediatric and Congenital Heart Surgery
Cleveland Clinic

Elizabeth Saarel, MD
Ronald and Helen Ross Distinguished Chair of Pediatric Cardiology
Cleveland Clinic Children’s

Guest Faculty

Robert Anderson, MD
New Castle University
London, England

Riyadh Mahdi Ahmed Abu-Sulaiman, MD
King Abdulaziz Cardiac Center
Riyadh, Saudi Arabia

Emile Bacha, MD
Morgan Stanley Children’s Hospital and Komansky Weill-Cornell
New York, NY

Christopher A. Caldarone, MD
Texas Children’s Hospital
Houston, TX

Joseph Dearani, MD
Mayo Clinic
Rochester, MN

George D. Giraud, MD
OHSU Hospital
Portland, OR

Anusha Jegatheeswaran, MD
The Hospital for Sick Children
Toronto, Canada

Richard Kovacs, MD
ACC President
Indiana University School of Medicine
Indianapolis, IN

Leo Lopez, MD
Lucile Packard Children’s Hospital Stanford
Stanford, CA

Brian McCrindle, MD
The Hospital for Sick Children
Toronto, Canada

Andrew Redington, MD
Cincinnati Children’s Hospital
Cincinnati, OH

Glen Van Arsdell, MD
University of California Los Angeles
Los Angeles, CA
Local Faculty

Shahnawaz Amdani, MD
Cleveland Clinic Children’s

Peter Aziz, MD
Cleveland Clinic Children’s

Gerard J. Boyle, MD
Cleveland Clinic Children’s

Rula Balluz, MD
Cleveland Clinic Children’s

Deborah Bizjak, MSN, APRN
Cleveland Clinic Children’s

Eugene Blackstone, MD
Cleveland Clinic

Darrell Cass, MD
Cleveland Clinic

Jeff Chapa, MD
Cleveland Clinic

Eric Devaney, MD
UH Rainbow Babies and Children’s Hospital

Francine Erenberg, MD
Cleveland Clinic Children’s

Thomas E. Fagan, MD
Cleveland Clinic Children’s

Neil Friedman, MBChB
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Joanna Ghobrial, MD
Cleveland Clinic

Mohammed Hamzah, MD
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Samir Kapadia, MD
Cleveland Clinic

Tara Karamlou, MD
Cleveland Clinic Children’s

Molly Kraynik, BSN, RN
Cleveland Clinic Children’s

Rukmini Kumarlu, MD
Cleveland Clinic Children’s

John Lane, MD
Akron Children’s Hospital

Samir Latifi, MD
Cleveland Clinic Children’s

Kristen Lessick, BSN, RN
Cleveland Clinic Children’s

Harry Lever, MD
Cleveland Clinic

David Majdalany, MD
Cleveland Clinic

Rocio Moran, MD
MetroHealth

Holly Nadorlik, DO
Cleveland Clinic Children’s

Chandrakant Patel, MD
Akron Children’s Hospital

Alistair Phillips, MD
Cleveland Clinic Children’s

Edward G. Soltész, MD
Cleveland Clinic

Robert Stewert, MD
Cleveland Clinic

Kim Teknipp, MSN, APRN
Cleveland Clinic Children’s

Nelson Borbano-Vera, MD
Cleveland Clinic

David Waight, MD
Akron Children’s Hospital

Kenneth Zahka, MD
Cleveland Clinic Children’s

Thursday, October 17, 2019

7:00 am  Registration, Continental Breakfast, and Exhibits

7:25 am  Welcoming Remarks

GENERAL SESSION
Moderators: Chuanchau Jou, DO, and Hani Najm, MD

7:30 am  The “Andersonian” Nomenclature and Simple Congenital Cardiac Anatomy
  Robert Anderson, MD

8:00 am  Echo Imaging for CHD in 2019
  Rula Balluz, MD

8:15 am  MRI Imaging for CHD in 2019
  Rukmini Kumarlu, MD

8:30 am  CT Imaging for CHD in 2019
  Francine Erenberg, MD

8:45 am  Cardiac Transplantation for CHD
  Gerard J. Boyle, MD

9:00 am  Genetics of Congenital Heart Malformations: How Genetic Syndromes Impact Clinical Outcomes
  Rocio Moran, MD

9:15 am  Panel Discussion and Questions

9:35 am  Break and Exhibits

UPDATES ON CONGENITAL SURGERY
Moderators: Alistair Phillips, MD, and Samir Latifi, MD

9:55 am  Indications for Palliation in the Newborn with Two Ventricles in 2019
  Christopher A. Caldarone, MD

10:10 am  Anesthetic Considerations in the Sick Neonate
  Nelson Borbano-Vera, MD

10:25 am  Vulnerability of Palliated Circulation
  Mohammed Hamzah, MD

10:40 am  Can We Reverse Pulmonary Hypertension?
  William Hanna, MD

10:55 am  Panel Discussion and Questions

11:10 am  Lunch Break

UPDATES ON GUIDELINES
Moderators: Kenneth Zahka, MD, and Holly Nadorlik, DO

12:20 pm Morphology of Complex Heart Disease
  Robert Anderson, MD

12:50 pm Ventricular Arrhythmias and the Prevention of Sudden Cardiac Death
  Elizabeth Saarel, MD

1:05 pm Hypertrophic Cardiomyopathy
  Harry Lever, MD

1:20 pm Anomalous Aortic Origin for Coronary Artery: Types and Investigation
  Anusha Jegatheeswaran, MD

1:35 pm Eligibility and Disqualification Recommendations for Competitive Athletes with Cardiovascular Abnormalities
  Richard Kovacs, MD

1:50 pm  Panel Discussion and Questions

2:10 pm  Break and Exhibits

UPDATES ON MISCELLANEOUS
Moderators: David Majdalany, MD, and David Waight, MD

2:30 pm Aortopathies and Marfan Syndrome
  Kenneth Zahka, MD

2:45 pm Maternal Management in Fetal Interventions
  Jeff Chapa, MD

3:00 pm Strategies for Fetal Surgery
  Darrell Cass, MD

3:15 pm Innovative Cath Interventions in the Cyanotic Baby
  Thomas E. Fagan, MD

3:30 pm Arrhythmias in SV, Cath Lab vs Surgery
  Peter Aziz, MD

3:45 pm  Panel Discussion and Questions

4:00 pm Echo Jeopardy
  Riyadh Mahdi Ahmed Abu-Sulaiman, MD

4:45 pm  Adjourn
Thursday, October 17, 2019

ECCHO WORKSHOP
Moderators: Francine Erenberg, MD, and Rula Balluz, MD
5:00 to 7:30 pm
A comprehensive session exploring aspects of echocardiography and other imaging modalities in the diagnosis and assessment of CCTGA. Features case studies and other interactive presentations.

CICU SIMULATION WORKSHOP
Moderators: William Hanna, MD and Samir Latifi, MD
5:00 to 7:30 pm
A high fidelity hands-on workshop focusing on the timely and effective management of the perioperative single ventricle. Participants will be exposed to scenarios at different stages of palliation, followed by open discussion examining the evidence for current approaches to management.

Friday, October 18, 2019

7:00 am  Registration, Continental Breakfast, and Exhibits
7:35 am  Welcoming Remarks
7:45 am  Patient Experience

THE BASICS
Moderators: Hani Najm, MD, and Elizabeth Saarel, MD
8:00 am  Anatomy and Morphology CCTGA
Robert Anderson, MD
8:30 am  Natural and Unnatural History of CCTGA
Andrew Redington, MD
8:45 am  Pre and Post Natal Imaging of CCTGA
Chandrakant Patel, MD
9:00 am  Decision Making for Advanced Imaging in CCTGA, When and What?
Holly Nadorlik, DO
9:15 am  Mechanics of Systemic Right vs Left Ventricle
Shahnawaz Amdani, MD
9:30 am  Cardiomyocyte Potential in the Human Fetus and Infant: Cardiomyocyte Hyperplasia or Hypertrophy? Implications for LV Retraining
George D. Giraud, MD
9:45 am  Break and Exhibits
10:05 am  Panel Discussion and Questions

TGA WITH TWO VENTRICLES
Moderators: John Lane, MD, and Francine Erenberg, MD
10:30 am  Readiness/Timing for Biventricular Repair
Andrew Redington, MD
10:45 am  Indications and Technique of Anatomical Repair
Glen Van Arsdell, MD
11:00 am  Indications and Techniques of Physiological Repair?
Alistair Phillips, MD
11:15 am  The Surgically Created CCTGA Physiology
Hani Najm, MD
11:30 am  Complex Forms of CCTGA: Surgical Approaches / Aortic Translocation
Glen Van Arsdell, MD
11:45 am  Panel Discussion and Questions
12:05 pm  Lunch Break

THE UNBALANCED CCTGA
Moderators: Eric Devaney, MD, and Tara Karamlou, MD
1:15 pm  Univentricular Repair of CCTGA, When It Is too Complex to Septate
Emile Bacha, MD
1:30 pm  Biventricular Repair for CCTGA: When It Is Feasible to Septate
Hani Najm, MD
1:45 pm  Behavior of Atrioventricular Valves in CCTGA
Joanna Ghobrial, MD
2:00 pm  Systemic AV in CCTGA/Repair or Replacement (Emphasize)
Joseph Dearani, MD
2:15 pm  Tricuspid Regurgitation in CCTGA: Catheter Interventions
Samir Kapadia, MD
2:30 pm  Break and Exhibits
3:00 pm  Failing CCTGA Medical Treatment
Brian McCrindle, MD
3:15 pm  Neuro Development Outcomes
Neil Friedman, MBChB
3:30 pm  Panel Discussion and Questions

A NEW POINT OF VIEW
Moderators: Hani Najm, MD, and Angela Jarden, MSN, RN
3:50 pm  Panel Discussion and Questions
Key Discussion Points:
Pre-hospitalization, Operating Room, Post-Op, and Discharge Preparation
Panel: Deborah Biasak, MSN, APRN; Kristen Lessick, BSN, RN; Molly Kraynik, BSN, RN; and Kim Teknipp, MSN, APRN
5:10 pm  Adjourn
6:00 pm  Welcome Reception

Saturday, October 19, 2019

7:15 am  Registration, Continental Breakfast, and Exhibits
7:45 am  Patient Experience

THE FAILING CCTGA
Moderators: Eric Devaney, MD, and Shahnawaz Amdani, MD
8:00 am  VAD for the Failing RV in CCTGA
Edward G. Soltesz, MD
8:15 am  Transplant for CCTGA
Robert Stewart, MD
8:30 am  Biventricular Pacing in the Failing RV
Elizabeth Saarel, MD
8:45 am  CCTGA, Have We Collected the Needed Data?
Eugene Blackstone, MD, and Tara Karamlou, MD
9:00 am  Ebstein TV, How to Repair?
Joseph Dearani, MD
9:15 am  Panel Discussion and Questions
9:35 am  Break and Exhibits

DEBATES
Moderators: Hani Najm, MD, and Brian McCrindle, MD
10:00 am  The Asymptomatic Infant with CCTGA
• Must Band
Christopher A. Caldarone, MD
• Leave the Child Alone
Leo Lopez, MD
10:40 am  Panel Discussion and Questions
11:00 am  The Symptomatic Toddler with CCTGA
• Switch Before 10
Emile Bacha, MD
• Leave the Patient Alone
Andrew Redington, MD
11:40 am  Panel Discussion and Questions
12:00 pm  Adjourn
Register Online at: www.ccfcme.org/pediatricheart19

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Optional CICU Simulation Workshop - $150
*Letter from program director is required to receive the discounted fee. If letter is not received two weeks prior to the activity, the full physician fee will be charged.

**Fees include:** continental breakfasts, refreshment breaks, and faculty PowerPoint presentations in PDF format, available online

**Registration and Cancellation**
Preregistrations are accepted until 2:00 pm ET October 16, 2019. Register on site after this date. In case of cancellation, email notification is required to process your refund. A full refund will be issued if canceled by September 17, 2019. After September 17, 2019, a $100 cancellation fee for Summit and/or a $25 cancellation fee for the CICU Simulation workshop will be deducted from your refund. No refunds will be issued after October 10, 2019.

For questions about registration or cancellation, email us at cmeregistration@ccf.org or call 216.448.8710

**Hotel Accommodations**
A limited block of rooms has been reserved at the InterContinental Hotel until 5:00 pm ET September 14, 2019. See course website for rates.

**Accreditation**
The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The Cleveland Clinic Foundation Center for Continuing Education designates:
- **Summit** live activity for a maximum of 18.75 **AMA PRA Category 1 Credits™**.
- **Optional CICU Simulation Workshop** live activity for a maximum of 2.5 **AMA PRA Category 1 Credits™**.
- **Optional Echo Workshop** live activity for a maximum of 2.5 **AMA PRA Category 1 Credits™**.

Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Participants claiming CME credit from this activity may submit the credit hours to the American Osteopathic Association for Category 2 credit.

**American Board of Cardiovascular Perfusion**
An application for credit to the American Board of Cardiovascular Perfusion (ABCP) has been submitted for this live activity. Approval is pending.

**Other Health Care Professionals**
A certificate of participation will be provided to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

*Cleveland Clinic Center for Continuing Education reserves the right to cancel or postpone an activity at our sole discretion. In the unlikely event that this occurs, any registration fee(s) paid will be refunded. Be advised that Cleveland Clinic is not responsible for related costs including airline tickets, hotel costs, or any similar fee penalties incurred as a result of any meeting cancellations or changes.*
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