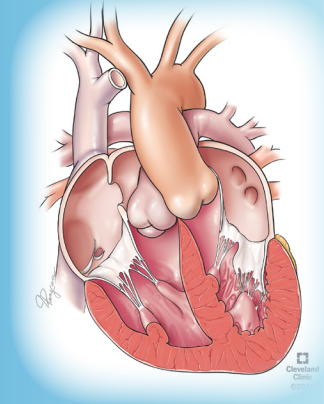


Congenitally Corrected Transposition of the Great Arteries:

Management and Outcomes from Infancy to Adulthood

4th Annual Advances in Pediatric and Congenital Heart Summit



October 17-19, 2019

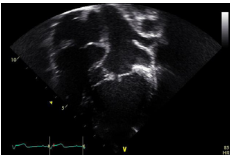
InterContinental Hotel and Bank of America Conference Center, Cleveland, OH

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.ccfcmc.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

Hemant Agarwal, MD
Cleveland Clinic Children's

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
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Neil Friedman, MBChB
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Mohammed Hamzah, MD
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Jared Klein, MD
Cleveland Clinic Children's

Tara Karamlou, MD
Cleveland Clinic Children's

Molly Kraynik, BSN, RN
Cleveland Clinic Children's

Rukmini Komarlu, 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
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Chandrakant Patel, MD
Akron Children's Hospital

Alistair Phillips, MD
Cleveland Clinic Children's

Robert Stewart, MD
Cleveland Clinic

Kim Teknipp, MSN, APRN
Cleveland Clinic Children's

Nelson Burbano-Vera, MD
Cleveland Clinic

David Waight, MD
Akron Children's Hospital

Malek Yaman, MD
Cleveland Clinic Children's

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 Komarlu, 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 Burbano-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

ECHO WORKSHOP

Faculty: Riyadh Abu-Sulaiman, MD; Rula Balluz, MD; Francine Erenberg, MD; Jared Klein, MD; Rukmini Komarl, MD; Holly Nadorlik, DO; Chandrakant Patel, MD; and Malek Yaman, 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

Faculty: Hemant Agarwal, MD, Mohammed Hamzah, MD, 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 **Panel Discussion and Questions**
- 10:05 am Break and Exhibits

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 AVV 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 Bizjak, 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**
Alistair Phillips, 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**

General Information

Location

InterContinental Hotel and Bank of America Conference Center
9801 Carnegie Avenue
Cleveland, OH 44106
Phone Number: 216.707.4100 or
877.707.8999

Information

For further information about activity parking, faculty disclosure and Americans with Disabilities Act, visit www.ccfcmc.org/pediatricheart19

Register Online at: www.ccfcmc.org/pediatricheart19

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

Category	Early Bird Before September 6, 2019	After September 6, 2019
Physicians	\$650	\$750
Resident*/Fellow*	\$250	\$250
Non-Physicians	\$350	\$450

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.

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 cmregistration@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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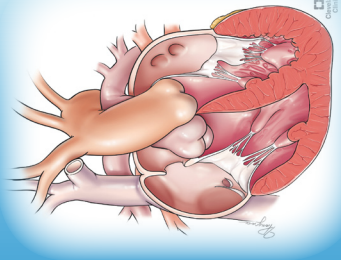
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