

13th Annual Master Class in Congenital Cardiac Morphology

Transposition of the Great Arteries and Congenitally Corrected Transposition of the Great Arteries

**Friday September 17, 2021: 10:00 AM – 3:00 PM EST
and Saturday September 18, 2021: 9:00AM – 1:30PM**

Presented by UPMC Children's Hospital of Pittsburgh, the UPMC Heart and Vascular Institute, and the UPMC Center for Continuing Education in the Health Sciences

A virtual educational experience via Zoom.

Welcome:

We are excited to host the 13th Annual Master Class in Congenital Cardiac Morphology at UPMC Children's Hospital of Pittsburgh.

Many individuals were instrumental in bringing this course to fruition. First, we thank all the faculty who are giving presentations during the course. We are particularly appreciative of our visiting professors, Professor Robert Anderson, MD; Anthony Hlavacek, MD; and Diane Spicer, BS, for participating as invited faculty. Lynda A. Cocco has been a tremendous help organizing this event and we are thankful for her expertise. Finally, we are grateful to the Heart Institute at UPMC Children's for generously supporting this educational event.

Thank you for your participation in this meeting and we look forward to seeing you at our next annual symposium!

Introduction:

Transposition of the Great Arteries is a complex congenital anomaly. A true understanding of the morphologic components of this anatomy is essential to correct interpretation of diagnostic testing, and ultimately high-quality treatment to assure optimal outcomes. Congenitally Corrected Transposition of the Great Arteries is a related challenging congenital cardiac malformation which requires a high level of expertise and discernment from the cardiology and surgical teams for diagnosis and treatment. The long-term sequelae of TGA and CCTGA, including neurodevelopmental concerns, will also be addressed.

Learning Objectives:

- Review of the morphology and anatomy
- Review of Diagnostic Modalities and key points
- Surgical Treatment Overview
- Long-term Challenges for this patient population

Friday, September 17, 2021: Transposition

10:00 AM

WELCOME

Professor Robert H. Anderson, MD, FRCPath
Jacqueline Kreutzer, MD, FACC, FSCAI
Victor O. Morell, MD

Session 1

10:10 AM

Embryology and Developmental Anatomy

Professor Robert H. Anderson, MD, FRCPath

10:30 AM

Didactic Pathology Presentation

Diane Spicer, BS

10:45 AM

Video demonstration

William Devine, BS

11:00 AM

Fetal Diagnosis

Jennifer Johnson, DO

11:15 AM

Echo: Pre-op Diagnosis

Lizabeth Lanford, MD

11:35 AM

CT: Pre-op Diagnosis

Anthony Hlavacek, MD

11:55 AM

Q&A Session

Moderator Melita Viegas, MD

12:10 PM – 12:30 PM

Lunch

Session 2

12:30 PM

Surgical Treatment of TGA

Victor O. Morell, MD

1:00 PM

Pre and Post OP ICU Management of TGA

Joan Sanchez de Toledo MD

1:15 PM

Role of Cardiac Catheterization in TGA

Jacqueline Kreutzer, MD, FACC, FSCAI

1:30 PM

Diagnostic Assessment using MRI for long-term follow up

Adam Christopher, MD

1:45 PM

Long-term Follow-Up: Clinical Perspective

Arvind Hoskoppal, MD

- 2:00 PM** **Cardiac Neurodevelopmental Care and Outcomes**
- Elizabeth Herrup, MD
Lauren Lorenzi, PhD
Susan Bowen, PhD
Ashok Panigrahy MD
- 2:30 PM** **Q&A Session**
Moderator Melita Viegas, MD
- 3:00 PM** **Adjournment**

Saturday, 9.18.21: Congenitally Corrected Transposition

- 9:00 AM** **Brief Welcome**
Professor Robert H. Anderson, MD, FRCPath
- Session 1**
- 9:05 AM** **Embryology and Developmental Anatomy**
Professor Robert H. Anderson, MD, FRCPath
- 9:20 AM** **Didactic Pathology Presentation**
Diane Spicer, BS, PA (ASCP)
- 9:35 AM** **Video demonstration**
William Devine, BS
- 9:50 AM** **Echo: Pre-op Diagnosis**
Mark DeBrunner, MD
- 10:05 AM** **CT/MRI: Pre-op Diagnosis**
Anthony Hlavacek, MD
- 10:20 AM** **Q&A Session**
Moderator Tarek Alsaied, MD, FACC, MSc
- 10:50-11:00 Coffee break
- Session 2**
- 11:00 AM** **Case Selection and Surgical Treatment for CCTGA**
Victor O. Morell, MD
- 11:30 AM** **Post Op ICU care**
Justin Yeh, MD
- 11:50 PM** **CCTGA from an EP Perspective**
Gaurav Arora, MD

- 12:10 PM** **Long-term Follow-Up: Clinical Perspective**
Anita Saraf, MD
- 12:30 PM** **Q&A Session**
Moderator Tarek Alsaied, MD, FACC, MSc
- 1:00 PM** **Adjournment**

Faculty:

Tarek Alsaied, MD

Assistant Professor of Pediatrics
UPMC Children's Hospital of Pittsburgh

Professor Robert H. Anderson, MD, FRCPath

Visiting Professor, Institute of Genetic Medicine
Newcastle University
Newcastle-upon-Tyne, United Kingdom

Gaurav Arora, MD

Associate Professor of Pediatrics
Associate Director of Electrophysiology
Associate Vice Chair of Pediatrics, Clinical Affairs, Ambulatory Care
UPMC Children's Hospital of Pittsburgh
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Susan Bowen, PhD

Assistant Professor, Department of Physical Medicine and Rehabilitation
Pediatric Neuropsychologist, UPMC Children's Hospital of Pittsburgh

Adam Christopher, MD

Assistant Professor of Pediatrics
Director of Cardiology MRI and CT Programs
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Executive Assistant
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Erin Colvin, CRNP

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Associate Professor of Pediatrics, Division of Cardiology
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Elizabeth Herrup, MD

Assistant Professor of Clinical Care Medicine and Pediatrics
University of Pittsburgh School of Medicine, Department of Critical Care Medicine
University of Pittsburgh School of Medicine, Department of Pediatrics

Anthony Hlavacek, MD, MSCR

Professor of Pediatrics and Radiology
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Charleston, South Carolina

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Director, Adult Congenital Heart Disease Program
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Jacqueline Kreutzer, MD, FACC, FSCAI

Professor of Pediatrics
Peter and Ada Rossin Endowed Chair in Pediatric Cardiology
Division Chief, Pediatric Cardiology
Co-Director, Heart Institute at UPMC Children's Hospital of Pittsburgh
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Lizabeth Lanford, MD

Clinical Associate Professor
Interim Director, Echocardiography Laboratory
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Lauren Lorenzi Quigley, PhD

Psychologist, UPMC Children's Hospital of Pittsburgh
Director of Cardiac Neurodevelopmental Care Program
UPMC Heart and Vascular Institute

Victor O. Morell, MD

Eugene S. Wiener Endowed Professor and Chair of Pediatric Cardiothoracic Surgery
Surgeon-in-Chief, UPMC Children's Hospital of Pittsburgh
Vice Chair & Director of Cardiovascular Services, Dept. CT Surgery
Executive Director, UPMC Heart & Vascular Institute
Co-Director, Heart Institute
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Ashok Panigrahy, MD

John F. Caffey Endowed Professor and Chair in Pediatric Radiology
Radiologist-in-Chief, UPMC Children's Hospital of Pittsburgh
Vice Chair, Clinical and Translational Imaging Research, Department of Radiology

Joan Sanchez de Toledo, MD

UPMC Children's Hospital of Pittsburgh

Anita Saraf, MD

Assistant Professor of Pediatrics
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Katie Scollon, MPAS, PA-C

Director, Pediatrics Heart and Vascular Services
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Diane Spicer, BS

Curator of the Lodewyk Van Mierop Archive
University of Florida
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Melita Viegas, MD

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Other health care professionals will receive a certificate of attendance confirming the number of contact hours commensurate with the extent of participation in this activity.

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The following relevant financial relationships were disclosed:

Jacqueline Kreutzer, MD, FACC, FSCAI

Grant/Research Support: Medtronic; Edwards Lifesciences

Consultant: Medtronic

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