



UPMC Children's Hospital of Pittsburgh Center for Complex Transposition Symposium

Saturday, June 1, 2024, from 9am - 1pm

Interactive Didactic Sessions

Presented Live from Rangos Auditorium with attendance Virtually via Zoom

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



Welcome:

We are excited to host the inaugural Center for Complex Transposition Symposium at UPMC Children's Hospital of Pittsburgh.

This symposium will celebrate the creation of our new Center for Complex Transposition, led by Dr. Victor O. Morell and Dr. Laura J. Olivieri. To commemorate this historic symposium, we are hosting Dr. Mark Hazekamp and Dr. Nestor Sandoval who will be sharing their expertise on Complex Transposition. Dr. Hazekamp, joining us from Leiden University Medical Center in Amsterdam, consistently focuses on enhancing heart valve surgery and prostheses throughout his career. Dr. Sandoval, joining us from Fundación Cardioinfantil Institute of Cardiology in Bogotá, Colombia, is an expert in Pediatric and Congenital Heart Surgery.

Many individuals were instrumental in bringing this course to fruition. First, we would like to thank all the faculty who are giving presentations during the course. We are particularly appreciative of our invited professors, Dr. Mark Hazekamp and Dr. Nestor Sandoval, for their contributions as guest faculty. Katie Scollon and Drew Berkhoudt have been an incredible help organizing this event and we are thankful for their support. We are also appreciative of James Ferris from Massive Media for his skill and dedication to this virtual symposium.

This educational event is generously sponsored by the Heart Institute at UPMC Children's Hospital, and we are honored to have the Congenital Heart Academy's support.

Thank you for your participation in this meeting and we look forward to seeing you at our next Center for Complex Transposition Symposium!

Introduction:

Welcome to the Complex Transposition Program at UPMC Children's Hospital of Pittsburgh. We are honored to embark on a journey dedicated to advancing the understanding and treatment of complex congenital heart defects, with a particular focus on transposition of the great arteries (TGA). Our program is meticulously crafted to offer comprehensive care, innovative treatments, and unwavering support for patients and their families as they navigate through the challenges posed by TGA.

Complex Transposition of the Great Arteries (TGA) with associated outflow tract obstruction and ventricular septal defect presents multifaceted challenges in diagnosis, preoperative management, and treatment decision-making, requiring a concerted effort to bridge existing gaps in diagnosis and management. From anatomic diagnosis, to management of cyanosis and understanding optimal timing of surgical treatment, to supporting families through multidisciplinary testing and care, our program is designed to address these gaps at the individual, team, and system levels to optimize patient outcomes and ensure holistic care delivery.

In alignment with our educational goals, this symposium serves as a cornerstone in our mission to enhance early recognition, promote interdisciplinary collaboration, standardize care practices, and address systemic barriers associated with TGA diagnosis and management. By engaging the interprofessional healthcare team in educational activities, we aim to foster a culture of continuous learning and improvement, ultimately revolutionizing the landscape of TGA care delivery.

Together, we embark on a transformative journey, united in our commitment to providing unparalleled care and support for individuals with TGA. Join us as we strive to make a meaningful difference in the lives of our patients and their families, one heartbeat at a time.

Laura Olivieri and Victor Morell

Learning Objectives:

- Educate healthcare providers to recognize the signs and symptoms of TGA promptly, enabling timely diagnosis and intervention.
- Foster teamwork and communication among different healthcare disciplines involved in the care of patients with TGA to ensure coordinated and comprehensive management.
- Establish evidence-based guidelines and protocols for the diagnosis, treatment, and long-term follow-up of individuals with TGA to promote consistency in care delivery across healthcare settings.
- Advocate for improved access to specialized care for patients with TGA, as well as the development of seamless care pathways to facilitate transitions between pediatric and adult cardiology services.

Target Audience:

This symposium is designed for Pediatric and Adult Cardiologists, Pediatric and Adult Cardiac Surgeons, Physician Assistants, Nurse Practitioners, Nurses, and other professionals interested in Complex TGA.

Continuing Medical Education:

In support of improving patient care, the University of Pittsburgh is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Physician (CME)

The University of Pittsburgh designates this live activity for a maximum of 4.0 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nursing (CNE)

The maximum number of hours awarded for this Continuing Nursing Education activity is 4.0 contact hours.

Physician Assistant (AAPA)

The University of Pittsburgh has been authorized by the American Academy of PAs (AAPA) to award AAPA Category 1 CME credit for activities planned in accordance with AAPA CME Criteria. This activity is designated for 4.0 AAPA Category 1 CME credits. PAs should only claim credit commensurate with the extent of their participation.

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.

Program Agenda

- 9 a.m. **Welcome and Introduction**
Laura J. Olivieri, MD & Victor O. Morell, MD
- Session I:** **Breaking Down the Abnormalities Included in Complex Transposition**
Moderator: Laura J. Olivieri, MD
- 9:05 a.m. **Anatomic Features of Complex Transposition Using Pathology Specimens**
Bill Devine, BS
- 9:20 a.m. **Anatomic Assessment of Complex Transposition Using Echocardiography**
Lizabeth Lanford, MD
- 9:35 a.m. **Anatomic Assessment of Complex Transposition Using Cross-Sectional Imaging and 3D+ Visualization**
Adam Christopher, MD
- 9:50 a.m. **Panel Discussion – The Imaging and Anatomic Perspective**
Adam Christopher, MD
Bill Devine, BS
Lizabeth Lanford, MD
- Session II:** **Complex Transposition Decision-Making Across the Lifespan**
Moderator: Evonne Morell, DO
- 10:10 a.m. **Fetal Diagnosis and Approach to Counseling in Complex Transposition – Where Do We Start?**
Jacqueline Weinberg, MD
- 10:25 a.m. **Postoperative Complex Transposition Repairs – How to Progress Through the CICU**
Avihu Gazit, MD
- 10:40 a.m. **Adult Congenital Perspectives on Ongoing Complex Transposition Care**
Arvind Hoskoppal, MD
- 10:55 a.m. **Patient Perspectives**
Erin Colvin, CRNP
- 11:05 a.m. **Panel Discussion – Complex Transposition Care Across the Lifespan**
Erin Colvin, CRNP
Avihu Gazit, MD
Arvind Hoskoppal, MD
Jacqueline Weinberg, MD

Session III:

Complex Transposition Outcomes

Moderator: Tarek Alsaied, MD

Surgical Repair Strategies in Complex Transposition:

- 11:25 a.m.** Latin American Perspective, with Focus on The Rastelli Operation
Nestor Sandoval, MD
- 11:40 a.m.** North American Perspective, with Focus on The Nikaidoh Operation
Victor O. Morell, MD
- 11:55 a.m.** European Perspective, with Focus on the Double Root Translocation
Mark G. Hazekamp, MD
- 12:10 p.m.** **When and How to Operate on Babies with Complex Transposition – UPMC Children’s Hospital of Pittsburgh Outcomes**
Mario Castro-Medina, MD
- 12:25 p.m.** **Panel Discussion – The Surgical Perspective**
Victor O. Morell, MD
Mark Hazekamp, MD
Nestor Sandoval, MD
- 12:50 p.m.** **Final Remarks**
Laura J. Olivieri, MD & Victor O. Morell, MD
- 1:00 p.m.** **Adjournment**

Course Directors:

Victor O. Morell, MD

Eugene S. Wiener Endowed Professor and Chair of Pediatric Cardiothoracic Surgery
VP and Chief Strategy Officer, UPMC Heart and Vascular Institute
Co-Director, Heart Institute at UPMC Children's Hospital of Pittsburgh

Laura Olivieri, MD, FAHA, FSCMR

Associate Professor of Pediatrics
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Invited Faculty:

Mark G. Hazekamp, MD, PhD

Professor of Pediatric Cardiac Surgery
Chair, Committee for Congenital Cardiothoracic Surgery
University Medical Centers of Leiden and Amsterdam
Chief, Congenital Cardiothoracic Surgery
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Mark G. Hazekamp, MD, PhD: Consultant- Teijin Company, Japan

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