



Paul M. Weinberg Congenital Cardiac Morphology Course

Monday, October 20 –
Thursday, October 23, 2025

Leonard and Madlyn Abramson
Pediatric Research Center

Course Overview

This is a four-day, in-person course for comprehensive examination of the morphology of congenital heart disease. The course was created and led by Paul M. Weinberg, MD, renowned cardiac morphologist, for eight years. In the course's thirteenth year, Dr. Weinberg's colleagues (many of whom he trained in cardiology and morphology) continue to carry on his legacy by continuing to provide expert content in cardiac morphology, utilizing many of Dr. Weinberg's own teaching materials.

In addition, the course features expert cardiac morphologist, Andrew Cook, PhD, and new this year, invited expert cardiologist and morphologist, Leo Lopez, MD. To supplement anatomic teaching, correlations with echocardiography, cardiac magnetic resonance imaging and surgery will be provided by distinguished faculty. This year, course organizers have increased the amount of time dedicated to guided, hands-on specimen experience. Pathologic specimens exhibiting many of the major forms of congenital heart defects, both unoperated and post-operative, will be available for guided review.

We will also share our virtual specimen collection using 3D interactive and virtual reality models of heart specimens. This interactive educational experience is not to be missed! The purpose of the course is to fill the need for detailed knowledge of cardiac anatomy in all forms of congenital disease. The course is designed for senior, junior and trainee cardiologists, cardiothoracic surgeons, pathologists, pathology assistants, echocardiography sonographers, and other medical professionals interested in congenital heart disease.

Paul M. Weinberg, MD



Paul Morris Weinberg, professor emeritus of pediatrics at the Perelman School of Medicine and Children's Hospital of Philadelphia passed away on Oct. 15, 2020.

As a world expert in cardiac morphology, one of his many educational contributions was creating and leading the Advanced Cardiac Morphology Course beginning in the fall of 2012. This course has grown in popularity each year and has become an essential forum for education surrounding the anatomy of the malformed heart for trainees and seasoned professionals alike.

In 2022, the course's first year without Dr. Weinberg, the course was named in his memory. This annual course honors Dr. Weinberg's remarkable contributions to the field and pays tribute to his hard work in creating, directing and improving this course over his tenure. A course bearing his name in the title was a tribute that was suggested, but not allowed, during his time as course director. However, we believe this posthumous honor will pay tribute to Dr. Weinberg by continuing this course and sharing knowledge that he so generously and patiently imparted to us for many years. While we had hoped for many more years to share in Dr. Weinberg's expertise, we honor his legacy by teaching the next generation of experts. After all, as Sir Isaac Newton once said in a letter to a fellow scientist in 1675, "If I have seen further, it is by standing upon the shoulders of giants."

Dr. Weinberg was a true giant in the field of pediatric cardiology, cardiac morphology and education and his contributions will continue to impact our field for years to come.

Sincerely yours,

Lindsay S. Rogers Meryl S. Cohen Jill J. Savla Matthew A. Harris
Organizing Committee

Guest Faculty



Professor Andrew Cook
University College London
Institute of Cardiovascular Science

Professor Cook leads the Centre for Cardiac Morphology and Development at UCL's Institute of Cardiovascular Science/ Great Ormond Street Hospital. He is internationally known for his expertise in the structure and architecture of the heart, especially concerning congenital heart disease.

He is the founder of cardiacmorphology.com.



Leo Lopez, MD

Dr. Lopez is a pediatric cardiologist with expertise in cardiac morphology and echocardiography. He was the Medical Director of Echocardiography at Lucile Packard Children's Hospital from 2018-2023. He is currently Clinical Professor of Pediatrics – Cardiology at Stanford School of Medicine and an active member of the International Society of nomenclature of Paediatric and Congenital Heart Disease.

Course Objectives

Participants will be able to:

- Identify the key anatomical aspect of all forms of congenital heart disease
- Apply anatomical knowledge to performance or interpretation of imaging studies of congenital heart disease
- Define the key anatomical features that influence surgical decision-making for repair of congenital heart defects
- List commonly associated congenital heart defects, as well as those that rarely or never occur together

Registration and General Information

The conference will be held in the Leonard and Madlyn Abramson Pediatric Research Center at the Children's Hospital of Philadelphia. The registration fee includes continental breakfast, breaks, lunch, and syllabus material.

Fees

Early Registration (before September 15th)

\$600 Physicians

\$450 Residents, fellows and other healthcare professionals

On/After September 15th

\$750 Physicians

\$550 Residents, fellows and other healthcare professionals

Joint Accreditation Statement



JOINTLY ACCREDITED PROVIDER™
INTERPROFESSIONAL CONTINUING EDUCATION

In support of improving patient care, this activity has been planned and implemented by the Children's Hospital of Philadelphia. The Children's Hospital of Philadelphia is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council education for the healthcare team.

Designation of Credit

Physicians: Children's Hospital of Philadelphia designates this live activity for a maximum of 29 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Hotel Accommodations

A block of rooms has been reserved at reduced rates at The Study at University City, 20 S 33rd St, Philadelphia, PA 19104, located just a few blocks from Children's Hospital. The group overnight rate is \$269 single and double occupancy plus a 16.25% room tax. Participants are required to make their own hotel reservations by calling The Study directly at 215-387-1400. Please mention the name of the conference when making your reservation. The special room rate will be available until Saturday, September 20, 2025. After that date, reservations will be accepted on a space and rate availability basis.



Cancellation and Refund Policy

Children's Hospital of Philadelphia reserves the right to cancel or postpone any course due to any unforeseen circumstances. In the event of cancellation or postponement, Children's Hospital of Philadelphia will refund any registration fees, less a \$40 service charge, but is not responsible for any related costs, charges or expenses to participants. In order to process refunds for course withdrawals, cancellation must be received in writing by Monday, Oct. 6, 2025. No refunds will be issued thereafter.

Services for People With Disabilities

If special arrangements are required for an individual with a disability to attend this meeting, please contact the Continuing Medical Education Department at 215-590-5263.

PROGRAM

Paul M. Weinberg Congenital Cardiac Morphology Course

Leonard and Madlyn Abramson Pediatric Research Center

Monday, October 20, 2025

- 7:00 a.m. Registration and Continental Breakfast
- 8:00 a.m. Introductory Remarks
Lindsay Rogers, MD, MEd; Jill Savla, MD, MSCE
- 8:10 a.m. Segmental Approach to Diagnosis of Congenital Heart Disease
Lindsay Rogers, MD, MEd
- 9:30 a.m. Break
- 9:40 a.m. Atrial Septal Defects
Jill Savla, MD, MSCE
- 10:10 a.m. Pulmonary Vein Anomalies
Jill Savla, MD, MSCE
- 11:00 a.m. Break
- 11:10 a.m. Hands-on Guided Specimen Review
- 12:10 p.m. Lunch
- 1:10 p.m. Common Atrioventricular Canal
Andrew Cook, PhD
- 2:10 p.m. Echocardiography of CAVC
Michael Quartermain, MD
- 2:30 p.m. Ventricular Septal Defects
Leo Lopez, MD
- 3:35 p.m. Break
- 3:50 p.m. Hands-on Guided Specimen Review
- 4:50 p.m. Surgery
Muhammad Nuri, MBBS
- 5:20 p.m. Q & A with Faculty
- 5:35 p.m. Adjourn for the Day

Tuesday, October 21, 2025

- 7:30 a.m. Continental Breakfast
- 8:00 a.m. Announcements
Jill Savla, MD, MSCE
- 8:05 a.m. Ebstein's, Uhl Anomalies and Straddling Atrioventricular Valves
Matthew A. Harris, MD
- 8:50 a.m. Aortic Stenosis and Coarctation of the Aorta
Lindsay Rogers, MD, MEd
- 9:20 a.m. Break
- 9:30 a.m. Hands-on Guided Specimen Review
- 10:30 a.m. Single Ventricle: TA, HLHS, Straddling valves, DILV
Andrew Cook, PhD
- 12:00 p.m. Echocardiography
Shivani M. Bhatt, MD
- 12:30 p.m. Lunch
- 1:30 p.m. Pulmonary Stenosis and Atresia (PA/IVS)
Jill Savla, MD, MSCE
- 2:00 p.m. Break
- 2:10 p.m. Hands-on Guided Specimen Review
- 3:10 p.m. Cardiac Magnetic Resonance
Kevin Whitehead, MD, PhD
- 3:50 p.m. Surgery
Stephanie Fuller, MD
- 4:20 p.m. Q & A with Faculty
- 4:30 p.m. Adjourn for the Day
Social Event

Wednesday, October 22, 2025

- 7:30 a.m. Continental Breakfast
- 8:00 a.m. Announcements
Jill Savla, MD, MSCE
- 8:05 a.m. The Conotruncus and Ventriculo-arterial Alignments
Lindsay Rogers, MD, MEd

| | |
|------------|---|
| 8:50 a.m. | Tetralogy of Fallot <i>Jill Savla, MD, MSCE</i> |
| 10:00 a.m. | Break |
| 10:10 a.m. | Truncus Arteriosus <i>Jill Savla, MD, MSCE</i> |
| 11:00 a.m. | Break |
| 11:10 a.m. | Hands-on Specimen Review |
| 12:10 p.m. | Lunch |
| 1:10 p.m. | Transposition of the Great Arteries and Anatomically Corrected Malposition <i>Leo Lopez, MD</i> |
| 2:20 p.m. | Double Outlet Ventricles <i>Meryl S. Cohen, MD</i> |
| 3:25 p.m. | Break |
| 3:35 p.m. | Hands-on Specimen Review |
| 4:35 p.m. | Surgery <i>Paul J. Devlin, MD, MSc</i> |
| 5:05 p.m. | Q & A with Faculty |
| 5:20 p.m. | Adjourn for the Day |

Thursday, October 23, 2025

| | |
|------------|---|
| 7:30 a.m. | Continental Breakfast |
| 8:00 a.m. | Announcements <i>Lindsay Rogers, MD, MEd</i> |
| 8:05 a.m. | Heterotaxy Syndrome <i>Lindsay Rogers, MD, MEd</i> |
| 9:05 a.m. | Rare Forms of Congenital Heart Disease <i>Lindsay Rogers, MD, MEd</i> |
| 9:50 a.m. | Break |
| 10:00 a.m. | Coronary Artery Anomalies <i>Matthew A. Harris, MD</i> |
| 10:50 a.m. | Aortic Arch Anomalies <i>Jill Savla, MD, MSCE</i> |
| 12:20 p.m. | Lunch |

- 1:35 p.m. Hands-on Specimen Review
- 3:35 p.m. Cardiac Magnetic Resonance
Danish Vaiyani, MD
- 4:15 p.m. Surgery
Jonathan M. Chen, MD
- 4:45 p.m. Q & A with Faculty
- 5:00 p.m. Conference Adjourns



Unless otherwise noted, faculty is from Children's Hospital of Philadelphia. Academic affiliation is with the Perelman School of Medicine at the University of Pennsylvania.

Course Directors

Meryl S. Cohen, MD, MEd
*Attending Cardiologist and Associate Chief
of Cardiology
Associate Dean for Faculty Development
Professor of Pediatrics*

Matthew A. Harris, MD
*Associate Director, Cardiac Magnetic
Resonance
Associate Professor of Pediatrics and
Radiology*

Lindsay S. Rogers, MD, MEd
*Director, Pediatric Cardiology Fellowship
Training Program
Associate Professor of Clinical Pediatrics*

Jill J. Savla, MD, MSCE
*Attending Cardiologist
Assistant Professor of Pediatrics*

Course Faculty

Shivani M. Bhatt, MD
*Attending Cardiologist
Assistant Professor of Clinical Pediatrics*

Jonathan M. Chen, MD
*Chief, Division of Cardiothoracic Surgery
Professor of Surgery*

Paul J Devlin, MD, MSc
*Attending Surgeon
Assistant Professor of Surgery*

Stephanie Fuller, MD
*Attending Surgeon
Professor of Surgery*

Muhammad Nuri, MBBS
*Attending Surgeon
Associate Professor of Clinical Surgery*

Michael Quartermain, MD
*Director, Echocardiography Laboratory
Professor of Clinical Pediatrics*

Danish Vaiyani, MD
Attending Cardiologist

Kevin Whitehead, MD, PhD
*Attending Physician
Associate Professor of Pediatrics
Co-Director of the Cardiac 3D Modeling
Program*



3401 Civic Center Blvd.
Philadelphia, PA 19104 chop.edu
chop.cloud-cme.com