

Paul M. Weinberg Congenital Cardiac Morphology Course

Monday, Oct. 16 to Thursday, Oct. 19, 2023

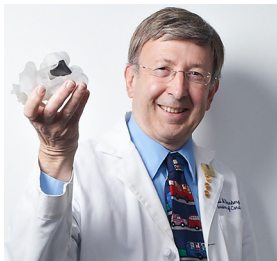
Leonard and Madlyn Abramson Pediatric Research Center

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 eleventh 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. To supplement anatomic teaching, echocardiographic, cardiac magnetic resonance imaging and surgical correlation 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 2020, the course's first year without Dr. Weinberg, the course was named in his honor. 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

Organizing Committee

Meryl S. Cohen

Organizing Committee

Jill J. Savla

Organizing Committee

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 www.cardiacmorphology.com.

Objectives

Upon completion of this CME activity, participants will be able to:

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

Registration

Attendees are welcome to register online at chop.cloud-cme.com. Preregistration is required. The registration deadline is Monday, Oct. 9, 2023. Payment must accompany your registration form for it to be processed. Once registration has been processed, a confirmation letter will be mailed. Please note: If you do not receive a confirmation within 10 days of registration, please contact the Continuing Medical Education Department at 215-590-5263.

Fees

Early Registration (before Friday, Sept. 15, 2023)

\$550	Physicians
\$400	Residents, fellows and other healthcare professionals

On/After Friday, Sept. 15, 2023

\$700	Physicians
\$500	Residents, fellows and other healthcare professionals

Hotel Information

A block of rooms with reduced rates has been reserved at the Sheraton University City Hotel, 36th and Chestnut Streets, Philadelphia, PA 19104. The group rates are \$189 single and double occupancy, plus a 16.37% room tax. Participants are required to make their own hotel reservations by calling the Sheraton directly at 888-627-7071 or 215-387-8000. The special room rates will be available until Friday, Sept. 15, 2023.



ACCME Accreditation Statement

Children's Hospital of Philadelphia is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

AMA Credit Designation Statement

Children's Hospital of Philadelphia designates this live activity for a maximum of 30.5 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Services for People with Disabilities

Participation by all individuals is encouraged. If arrangements are required for an individual with special needs to attend this meeting, please contact the CHOP CME Department at 215-590-5263 at least two weeks in advance so that we may provide better service to you during the conference.

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. 9, 2023. No refunds will be issued thereafter.



Leonard and Madlyn Abramson Pediatric Research Center

Program • Monday, Oct. 16, 2023

- 7 a.m. **Registration and Breakfast**
- 8 a.m. **Introductory Remarks**
Lindsay S. Rogers, MD, MSED
Jill J. Savla, MD, MSCE
- 8:10 a.m. **Segmental Approach to Diagnosis of Congenital Heart Disease**
Lindsay S. Rogers, MD, MSED
- 9:30 a.m. **Break**
- 9:40 a.m. **Ventricular Septal Defects**
Lindsay S. Rogers, MD, MSED
- 10:45 a.m. **Common Atrioventricular Canal Defects**
Andrew Cook, PhD
- 11:50 a.m. **Echocardiography of CAVC Defects**
Michael Quartermain, MD
- 12:10 p.m. **Lunch**
- 1:10 p.m. **Atrial Septal Defects**
Jill J. Savla, MD, MSCE
- 1:40 p.m. **Pulmonary Vein Anomalies**
Jill J. Savla, MD, MSCE
- 2:30 p.m. **Break**
- 2:45 p.m. **Hands-on Specimen Review**
- 4:45 p.m. **Surgery**
Muhammad Nuri, MBBS
- 5:25 p.m. **Adjourn for the Day**

Program • Tuesday, Oct. 17, 2023

7:30 a.m. Breakfast

8 a.m. Announcements
Jill J. Savla, MD, MSCE

8:05 a.m. Ebstein, Uhl Anomalies and Straddling Atrioventricular Valves
Matthew A. Harris, MD

8:50 a.m. Pulmonary Stenosis and Atresia (PA/IVS)
Jill J. Savla, MD, MSCE

9:40 a.m. Break

10 a.m. Aortic Stenosis
Meryl S. Cohen, MD, MSED

10:40 a.m. Break

10:50 a.m. Single Ventricle Part 1
Andrew Cook, PhD

11:50 a.m. Single Ventricle Part 2
Andrew Cook, PhD

12:20 p.m. Echocardiography of Single Ventricle Heart Disease
Shivani M. Bhatt, MD

12:50 p.m. Lunch

1:50 p.m. Hands-on Specimen Review

3:50 p.m. Break

4:05 p.m. Cardiac Magnetic Resonance
Mark Fogel, MD

4:45 p.m. Surgery
Jonathan M. Chen, MD

5:25 p.m. Adjourn for the Day

Program • Wednesday, Oct. 18, 2023

7:30 a.m. Breakfast

8 a.m. Announcements
Jill J. Savla, MD, MSCE

8:05 a.m. The Conotruncus and Ventriculo-arterial Alignments
Lindsay S. Rogers, MD, MEd

8:50 a.m. Tetralogy of Fallot
Jill J. Savla, MD, MSCE

10 a.m. Break

10:10 a.m. Truncus Arteriosus
Jill J. Savla, MD, MSCE

11 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
Meryl S. Cohen, MD, MEd

2:20 p.m. Double Outlet Ventricles
Meryl S. Cohen, MD, MEd

3:25 p.m. Break

3:35 p.m. Hands-on Specimen Review

4:35 p.m. Surgery
Constantine Mavroudis, MD

5:15 p.m. Adjourn for the Day



Program • Thursday, Oct. 19, 2023

7:30 a.m. Breakfast

8 a.m. Announcements
Lindsay S. Rogers, MD, MEd

8:05 a.m. Heterotaxy Syndrome
Lindsay S. Rogers, MD, MEd

9:15 a.m. Break

9:25 a.m. Aortic Arch Anomalies
Jill J. Savla, MD, MSCE

10:25 a.m. Supero inferior Ventricles and Criss-cross Atrioventricular Relations
Lindsay S. Rogers, MD, MEd

11:25 a.m. Lunch

12:25 p.m. Hands-on Specimen Review

2:25 p.m. Break

2:35 p.m. Coronary Artery Anomalies
Matthew A. Harris, MD

3:25 p.m. Cardiac Magnetic Resonance
Matthew A. Harris, MD

4:05 p.m. Surgery
Stephanie Fuller, MD

4:45 p.m. Conference Adjourns

Unless otherwise noted, all faculty is from Children's Hospital of Philadelphia and/or 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*

Mark Fogel, MD

*Director, Cardiac Magnetic Resonance
Attending Cardiologist
Professor of Pediatrics and Radiology*

Stephanie Fuller, MD

*Attending Surgeon
Associate Professor of Surgery*

Constantine Mavroudis, MD

*Attending Surgeon
Assistant Professor of Surgery*

Muhammad Nuri, MBBS

*Attending Surgeon
Associate Professor of Clinical Surgery*

Michael Quartermain, MD

*Director, Echocardiography Laboratory
Associate Professor of Clinical Pediatrics*



©2023 The Children's Hospital of Philadelphia. 23CME0057/09-23