



Paul M. Weinberg Congenital Cardiac Morphology Course

Monday, Oct. 14 – Thursday, Oct. 17, 2024

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 twelfth 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, 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 2020, 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
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. 7, 2024. 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. 13, 2024)

\$600 Physicians

\$450 Residents, fellows and other healthcare professionals

On/After Friday, Sept. 13, 2024

\$750 Physicians

\$550 Residents, fellows and other healthcare professionals

Hotel Information

A block of rooms has been reserved at reduced rates at The Study 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 Friday, Sept. 13, 2024. After that date, reservations will be accepted on a space and rate availability basis.



ACCME 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 for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Designation of Credit

Physicians: Children’s Hospital of Philadelphia designates this live activity for a maximum of 29.5 AMA PRA Category 1 Credits™. 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. 7, 2024. No refunds will be issued thereafter.



Leonard and Madlyn Abramson Pediatric Research Center

Program | Monday, October 14, 2024

- 7 a.m. Registration and Continental Breakfast
- 8 a.m. **Introductory Remarks**
Lindsay S. Rogers, MD, MSCE
Jill Savla, MD, MSCE
- 8:10 a.m. **Segmental Approach to Diagnosis of Congenital Heart Disease**
Lindsay S. Rogers, MD, MSCE
- 9:30 a.m. **Break**
- 9:40 a.m. **Ventricular Septal Defects**
Lindsay S. Rogers, MD, MSCE
- 10:45 a.m. **Common Atrioventricular Canal**
Andrew Cook, PhD
- 11:50 a.m. **Echocardiography of Common Atrioventricular Canal**
Shivani M. Bhatt, MD
- 12:10 p.m. **Lunch**
- 1:10 p.m. **Atrial Septal Defects**
Jill Savla, MD, MSCE
- 1:40 p.m. **Pulmonary Vein Anomalies**
Jill Savla, MD, MSCE
- 2:30 p.m. **Break**
- 2:45 p.m. **Hands-on Guided Specimen Review**
- 4:45 p.m. **Surgery**
Muhammad Nuri, MBBS
- 5:15 p.m. **Q & A with Faculty**
- 5:30 p.m. **Hands-on Independent Specimen Review (optional)**
- 6 p.m. **Adjourn for the Day**

Program | Tuesday, October 15, 2024

- 7:30 a.m. Continental Breakfast
- 8 a.m. Announcements
Jill Savla, MD, MSCE
- 8:05 a.m. Ebstein's, Uhl Anomalies and Straddling Atrioventricular Valves
Matthew A. Harris, MD
- 8:55 a.m. Coronary Artery Anomalies
Matthew A. Harris, MD
- 9:45 a.m. Break
- 9:55 a.m. Single Ventricle Heart Disease
Andrew Cook, PhD
- 11:25 a.m. Echocardiography
Michael Quartermain, MD
- 11:55 a.m. Lunch
- 12:55 p.m. Hands-on Guided Specimen Review
- 2:55 p.m. Break
- 3:05 p.m. Cardiac Magnetic Resonance
Kevin Whitehead, MD, PhD
- 3:45 p.m. Surgery
Constantine Mavroudis, MD
- 4:15 p.m. Q & A with Faculty
- 4:30 p.m. Adjourn for the Day
Social Event

Program | Wednesday, October 16, 2024

- 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 S. Rogers, MD, MSCE
- 8:50 a.m. Tetralogy of Fallot
Jill Savla, MD, MSCE
- 10 a.m. Break
- 10:10 a.m. Truncus Arteriosus
Jill 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, MSEd
- 2:20 p.m. Double Outlet Ventricles
Meryl S. Cohen, MD, MSEd
- 3:25 p.m. Break
- 3:35 p.m. Hands-on Guided Specimen Review
- 4:35 p.m. Surgery
Stephanie Fuller, MD
- 5:05 p.m. Q & A with Faculty
- 5:20 p.m. Hands-on Independent Specimen Review (optional)
- 5:50 p.m. Adjourn for the Day



Program | Thursday, October 17, 2024

- 7:30 a.m. Continental Breakfast
- 8 a.m. Announcements
Lindsay S. Rogers, MD, MSCE
- 8:05 a.m. Heterotaxy Syndrome
Lindsay S. Rogers, MD, MSCE
- 9:05 a.m. Supero-inferior Ventricles and Criss-cross Atrioventricular Relations
Lindsay S. Rogers, MD, MSCE
- 9:50 a.m. Break
- 10 a.m. Pulmonary Stenosis and Atresia (PA/IVS)
Jill J. Savla, MD, MSCE
- 10:40 a.m. Aortic Arch Anomalies
Jill J. Savla, MD, MSCE
- 11:40 a.m. Lunch
- 12:45 p.m. Aortic Stenosis
Lindsay S. Rogers, MD, MSCE
- 1:25 p.m. Break
- 1:35 p.m. Hands-on Specimen Review
- 3:35 p.m. Cardiac Magnetic Resonance
Kevin Whitehead, MD, PhD
- 4:15 p.m. Surgery
Jonathan M. Chen, MD
- 4:45 p.m. Q & A with Faculty
- 5 p.m. Conference Adjourns

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

Stephanie Fuller, MD

Attending Surgeon

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

Professor of Clinical Pediatrics

Kevin Whitehead, MD, PhD

Attending Physician

Associate Professor of Pediatrics

Co-Director of the Cardiac 3D Modeling Program

