



Pediatric Anesthesia Point of Care Ultrasound Workshop

Saturday, November 14, 2026

The HUB for Clinical Collaboration
on the CHOP Philadelphia Campus

Course Overview

This course provides an overview of point-of-care ultrasound, with a focus on pediatric anesthesia indications for use in the perioperative period. It is designed for providers with limited or basic knowledge of point-of-care ultrasound. Through a combination of lectures and hands-on practical sessions using live pediatric models and simulation equipment, course attendees will learn ultrasound fundamentals (physics and principles of scanning) and ultrasound scanning techniques pertinent to pediatric anesthesia practice, including: basic cardiac, fluid and function, lung, airway, and gastric evaluation, as well as procedural guidance (peripheral and central line placement, neuraxial block). The course is being taught by anesthesia, critical care, cardiology, and emergency medicine ultrasound experts, and will have a low student-to-teacher ratio of 4/5 to 1.

Course Objectives

Participants will be able to:

- Properly acquire cardiac images and evaluate for cardiac function and volume status
- Properly acquire lung images and evaluate for pneumothorax, pleural effusion, and interstitial disease
- Properly acquire gastric images and evaluate for gastric contents, using this information to assess aspiration risk
- Acquire appropriate airway images, using this information to measure airway size and locate surgical airway landmarks
- Acquire neuraxial images and understand how to use ultrasound to guide neuraxial regional anesthesia

General Information and Registration Fee

The conference will be held at Children's Hospital of Philadelphia in the HUB for Clinical Collaboration on the CHOP Main Campus on Saturday, Nov. 14, 2026. The registration fee includes breakfast, refreshments, lunch, parking, and course materials.

Registration Fee: \$250

Accreditation



JOINTLY ACCREDITED PROVIDER™
INTERPROFESSIONAL CONTINUING EDUCATION

In support of improving patient care, 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 7.5 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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, the Hospital will refund registration fees, but is not responsible for any related costs, charges or expenses to participants, including cancellation charges assessed by airlines or travel agencies. In order to process refunds, cancellations must be received in writing by Friday, Nov. 2, 2026. 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.

Hotel Accommodations

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 \$289 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 October 12, 2026. After that date, reservations will be accepted on a space and rate availability basis.



Register online: chop.cloud-cme.com



PROGRAM

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Saturday, November 14, 2026

8:00 a.m.	Registration and Breakfast
8:30 a.m.	Welcome and Course Overview <i>Elaina Lin, MD</i>
8:45 a.m.	Physics and Fundamentals of Ultrasonography <i>Elizabeth O'Brien, MD, MAS</i>
9:15 a.m.	Cardiac Basics <i>Manal Mirreh, MD</i>
9:45 a.m.	LV and RV Functional Assessment <i>Benjamin Kozyak, MD</i>
10:15 a.m.	Shock and Hypotension <i>Mali Hetmaniuk, MD</i>
10:45 a.m.	Break
11:00 a.m.	Hands-on Skills: Subcostal/IVC, Parasternal, Apical Views
1:00 p.m.	Lunch
1:30 p.m.	Basics of Lung Ultrasound <i>Rameez Zaman, MD</i>
2:00 p.m.	Airway, Gastric Ultrasound, and FAST/FAFF <i>Elaina Lin, MD</i>
2:30 p.m.	Advanced Vascular Access Techniques and Concepts <i>Mark Weber RN, CRNP-AC</i>
3:00 p.m.	Neuraxial Ultrasound <i>Vanessa Mazandi, MD</i>
3:00 p.m.	Hands-on Skills: Lung and Cases Putting it All Together, Airway/Abdomen Neuraxial, Advanced Vascular Access
5:15 p.m.	Adjourn

Unless otherwise noted, faculty is from the Children's Hospital of Philadelphia and/or the Perelman School of Medicine at the University of Pennsylvania.

Course Director

Elaina Lin, MD

Director of Perioperative Ultrasound

Associate Professor of Anesthesiology and Critical Care

Course Faculty

Mali Hetmaniuk, MD

Attending Physician, Department of Anesthesiology and Critical Care Medicine

Assistant Professor of Anesthesiology and Critical Care

Nikolas Julian, MD

Attending Physician, Department of Anesthesiology and Critical Care Medicine,

Assistant Professor of Anesthesiology and Critical Care

Benjamin Kozyak, MD

Attending Physician, Cardiac Intensive Care Unit, Cardiac Center

Assistant Professor of Anesthesiology and Critical Care

Manal Mirreh, MD

Attending Physician, Department of Anesthesiology and Critical Care Medicine

Assistant Professor of Anesthesiology and Critical Care

Vanessa Mazandi, MD

Attending Physician, Department of Anesthesiology and Critical Care Medicine

Assistant Professor of Anesthesiology and Critical Care

Elizabeth O'Brien, MD, MAS

Attending Physician, Department of Anesthesiology and Critical Care Medicine

Assistant Professor of Anesthesiology and Critical Care

Asif Padiyath, MBBS

Attending Physician, Department of Anesthesiology and Critical Care Medicine

Assistant Professor of Anesthesiology and Critical Care

Eric Scheu, CRNA

Nurse Anesthetist, Department of Anesthesiology and Critical Care Medicine

Mark Weber RN, CRNP-AC

Nurse Practitioner, Department of Anesthesiology and Critical Care Medicine

Rameez Zaman, MD

Fellow, Department of Anesthesiology and Critical Care Medicine



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