



Pediatric Emergency Medicine, General Pediatrics, Neonatology and Critical Care Medicine: Bedside Ultrasound Course

Saturday, May 30 – Sunday, May 31, 2026

**The HUB for Clinical Collaboration
on the CHOP Philadelphia Campus**

Target Audience

Neonatal, pediatric emergency medicine and critical care medicine providers.

Course Overview

This course is intended as an alternative to adult emergency and critical care ultrasound courses, with a focus on pediatric emergency ultrasound indications. It is designed for neonatal, pediatric emergency and critical care medicine providers with limited or basic knowledge of emergency bedside 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 practice including: basic procedural guidance (line placement, lumbar puncture, etc.); evaluation of abscesses and foreign bodies; bladder scanning; FAST (focused assessment with sonography for trauma); lung evaluation; basic cardiac evaluation; musculoskeletal applications (fracture and joint); bowel scanning (intussusception); fluid and function evaluation; and advanced procedures (nerve blocks, chest tube placement, peritoneal/pleural fluid drainage).

The course is being taught by emergency, neonatal and critical care ultrasound experts, and will have a low student-to-teacher ratio of 4/5 to 1. A limited portion of the course will be devoted to a knowledge and skills assessment exam and a brief discussion of program development and administrative issues with regard to point-of-care ultrasound.

Course Objectives

- Demonstrate core nonprocedural ultrasound skills (basic fluid and cardiac function assessment, FAST exam, pulmonary ultrasounds) using bedside ultrasound
- Demonstrate core procedural ultrasound skills (intravenous line insertion and fluid drainage)
- Discuss appropriate indications and limitations of the bedside ultrasound exam in pediatric acute care settings

General Information

The conference will be held at Children's Hospital of Philadelphia in the HUB Auditorium, Saturday and Sunday, May 30 – 31, 2026. The course registration fees are as follows:

Physicians: \$1,100

Fellows, nurse practitioners and CHOP-affiliated providers: \$600

The fee includes continental breakfast, refreshments, lunch and course materials.

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 15.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nurses: This program provides 15.75 ANCC contact hours.

Physician Assistants: Children’s Hospital of Philadelphia has been authorized by the American Academy of Physician Associates (AAPA) to award AAPA Category 1 CME credit for activities planned in accordance with AAPA CME Criteria. This activity is designated for 15.75 AAPA Category 1 CME credits. PAs should only claim credit commensurate with the extent of their participation.



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 fee 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 Monday, May 18, 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.

Register Online: chop.cloud-cme.com



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PROGRAM

Saturday, May 30, 2026

- 7:30 a.m. Registration and Breakfast
- 8:00 a.m. Welcome and Course Overview
Aaron Chen, MD; Thomas Conlon, MD; Maky Fraga, MD; Beryl M. Greywoode, MD
- 8:15 a.m. Physics and Fundamentals of Ultrasonography
Sandy Johnng, MD
- 8:45 a.m. Introduction to FAST/FAFF
Cassandra Stegall, MD
- 9:15 a.m. Vascular Access and Basic Procedures
Reese Sim, MD
- 9:45 a.m. Lung Ultrasound: Anatomy and Pathology
Caleb Cave, MD
- 10:15 a.m. Break
- 10:30 a.m. Hands-on Skills (FAST/FAFF, Vascular Access, Lung)
- 12:30 p.m. Lunch
- 12:50 p.m. Approach to Ultrasound Guided Lumbar Puncture
Eric Will, PA-C
- 1:10 p.m. Umbilical Venous Cannulation in Neonates
Benjamin Kozyak, MD
- 1:30 p.m. Cardiac Views
Leah Carr, MD
- 2:15 p.m. LV Systolic Functional Assessment
Nina Nouraeyan, MD
- 2:45 p.m. Break
- 3:00 p.m. Hands-on Skills (Subcostal/IVC, Apical and Parasternal Views)
- 5:00 p.m. Adjourn

Sunday, May 31, 2026

7:30 a.m. Breakfast

Breakouts

Emergency Medicine/General Pediatrics Breakout Sessions

8:00 a.m. Day 1 Review

8:15 a.m. Basic and Advanced Procedural Applications
Aaron Chen, MD

8:45 a.m. Musculoskeletal POCUS
Brittany Guttadauria, MD

9:15 a.m. Abdominal POCUS: Beyond the FAST Exam
Sonja Fontana, MD

9:45 a.m. POCUS for the Hospitalist
Beryl Greywoode, MD

Neonatal/Critical Care Breakout Sessions

8:00 a.m. Day 1 Review

8:15 a.m. Pulmonary Hypertension, Right Ventricular Function, and the PDA
Diana Vargas, MD

8:45 a.m. Approach to Shock and Hypotension
Andrew Becker, MD

9:15 a.m. The Heart/Lung Interface
Rebeca Gregorio Hernández, MD

9:45 a.m. ECMO Cannulation, Monitoring, and Ultrasound
William Corder, MD

10:00 a.m. Break

10:30 a.m. Hands-on Skills (EM/Gen Peds; Abdominal Review; Procedures; Musculoskeletal)

Hands-on Stations (ICU — Shock/Volume, Right Ventricular Function, Left Ventricular Function)

12:30 p.m. Working Lunch

12:50 p.m. Intro to Head Ultrasound
Charlie Fry, MD

1:10 p.m. Approaches to Education and Competency in POCUS
Michael Lintner-Rivera, MD

1:30 p.m. Connecting the World Using Ultrasound
Beryl Greywoode, MD

- 2:15 p.m. Translating Point-of-Care Training to Clinical Care: A Multidisciplinary Perspective and Discussion Among All Faculty
- 2:45 p.m. Break
- 3:00 p.m. Skill Assessment (GP/EM: FAST/Bladder, IVC/Foreign Body, Cardiac/Lung, Neonatal/CCM: Cardiac, Lung, Abdomen/Procedure)
- 4:30 p.m. Conference Adjourns



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 Directors

Aaron Chen, MD

Director of Emergency Ultrasound

Thomas Conlon, MD

Director of Pediatric Critical Care Ultrasound

Maky Fraga, MD

Director of N/IICU Ultrasound

Beryl M. Greywoode, MD

Director of General Pediatric Ultrasound

Course Faculty

David Baker, MD

Hackensack University Medical Center

Andrew Becker, MD

Barnabas Health

Caleb Cave, MD

University of Nebraska Medical Center

Leah Carr, MD

Children's Hospital of Philadelphia

Brendan Carty, MD

Children's Hospital of Philadelphia

Rodrigo Cardoso Cavalcante, MD

Children's Hospital of Philadelphia

Mary Kathleen Claiborne, MD

Children's Hospital of Philadelphia

William Corder, MD

Children's Hospital of Philadelphia

Kristine DellaBadia, MD

Children's Hospital of Philadelphia

Ryan DeSanti, DO

St. Christopher's Hospital for Children

Alvaro L. Proaño Falconi, MD

University of Arkansas for Medical Sciences

Sonja Fontana, MD

University Children's Hospital Zurich

Charlie Fry, MD

Children's Hospital of Philadelphia

Christie Glau, MD

Children's Hospital of Philadelphia

Rebeca Gregorio Hernández, MD

Gregorio Marañón University Hospital

Brittany Guttadauria, MD

Children's Hospital of Philadelphia

Steven Ham, MD

Children's Hospital of Philadelphia

Jacob Hemberger, MD

Children's Hospital of Philadelphia

Sandy Johng, MD, MSCE

Seattle Children's Hospital

Garrett Keim, MD

Children's Hospital of Philadelphia

Morgan Kendall, MD

Children's Hospital of Philadelphia

Kimberly Kristoff, BSN, RN, CBC

Children's Hospital of Philadelphia

Benjamin Kozyak, MD

Children's Hospital of Philadelphia

Michael Lintner-Rivera, MD

Riley Children's Hospital

Steven Loscalzo, MD

Children's Hospital of Philadelphia

Carolyn McGann, MD

Children's Hospital of Philadelphia

Michael McWay, MD

Children's Hospital of Philadelphia

Sonia Ng, MD

Children's Hospital of Philadelphia

Akira Nishisaki, MD, MSCE

Children's Hospital of Philadelphia

Nina Nouraeyan, MD

McGill University

Course Faculty (continued)

Thomas Pawlowski, MD

Children's Hospital of Philadelphia

Ashitha Rajeurs, MD

Children's Hospital of Philadelphia

Rachel Rempell, MD

Children's Hospital of Philadelphia

David Rub, MD

Children's Hospital of Philadelphia

Monti Sharma, MD

University of Nebraska Medical Center

Reese Sim, MD

Children's Hospital of Philadelphia

April Slamowitz, MD

Nemours Children's Health

Cassandra Stegall, DO, MPH

Children's Hospital of Philadelphia

Jason Stoller, MD

Children's Hospital of Philadelphia

Alexandra Van Oyen, MD

Children's Hospital of Philadelphia

Diana Vargas, MD

Columbia University Irving Medical Center/

New York-Presbyterian Morgan Stanley

Children's Hospital

Mark Weber, RN, CRNP-AC

Children's Hospital of Philadelphia

Jessee Wenger, MD

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Eric Will, PA-C

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