



# **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 16.75 *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 16.75 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 16.75 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](http://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 Johng, 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

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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

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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  
*Rebecca Gregorio-Hernandez, MD*

9:45 a.m. ECMO Cannulation, Monitoring, and Ultrasound  
*Thomas Pawlowski, 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*

**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*

**Thomas Pawlowski, MD**

*Children's Hospital of Philadelphia*

## Course Faculty (continued)

**Rachel Rempell, MD**

*Children's Hospital of Philadelphia*

**Sameul Rosenblatt, 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*

**Eric Will, CRNP**

*The Children's Hospital of Philadelphia*

**Mahsun Yuerek, MD**

*Children's Hospital of Philadelphia*



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