

PEDIATRIC EMERGENCY MEDICINE, GENERAL PEDIATRICS, NEONATOLOGY AND CRITICAL CARE MEDICINE:

Bedside Ultrasound Course

Saturday and Sunday, June 1 and 2, 2024

The HUB for Clinical Collaboration



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.

REGISTRATION FEES AND GENERAL INFORMATION

The conference will be held at Children's Hospital of Philadelphia in the HUB Auditorium, Saturday and Sunday, June 1 and 2, 2024. The course registration fees are as follows:

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

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

TARGET AUDIENCE

Neonatal, pediatric emergency medicine and critical care medicine providers.

COURSE OBJECTIVES

- 1. 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)
- 3. Discuss appropriate indications and limitations of the bedside ultrasound exam in pediatric acute care settings



ACCREDITATION



In support of improving patient care, this activity has been planned and implemented by Children's Hospital of Philadelphia. 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 Credit(s) $^{\text{\tiny{M}}}$. 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 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 Friday, May 17, 2024. 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





PROGRAM - SATURDAY, JUNE 1, 2024

7 a.m. Registration and Breakfast

7:30 a.m. Welcome and Course Overview

Aaron Chen, MD; Thomas Conlon, MD; Maky Fraga, MD; Beryl M. Greywoode, MD

7:45 a.m. Physics and Fundamentals of Ultrasonography

Jason Stoller, MD

8:15 a.m. Introduction to FAST/FAFF

Fabrizio Romano, MD

8:45 a.m. Vascular Access and Basic Procedures

Mark Weber, RN, CRNP-AG

9:15 a.m. Lung Ultrasound: Pneumonia, Pneumothorax and Pleural Effusions

Adam Himebauch, MD

9:45 a.m. Break

10 a.m. Hands-on Skills (FAST/FAFF, Vascular Access, Lung)

Noon Lunch

12:20 p.m. Approach to Ultrasound Guided Lumbar Puncture

Eric Will, MS, PA-C

12:40 p.m. Introduction to Ocular Ultrasound

Kyle Miller, DO

1:15 p.m. Cardiac Views

Leah Carr, MD

1:45 p.m. LV Systolic Function Assessment

Cecile Tissot, MD

2:15 p.m. Break

2:30 p.m. Hands-on Skills (Subcostal/IVC, Apical and Parasternal Views)

4:30 p.m. Adjourn



PROGRAM - SUNDAY, JUNE 2, 2024

7 a.m. Breakfast

BREAKOUTS

EMERGENCY MEDICINE/GENERAL PEDIATRICS BREAKOUT SESSIONS

7:30 a.m. Day 1 Review

7:45 a.m. Advanced Procedural Applications for General and Emergency Medicine

Pediatric Providers Thomas Lee, MD

8:15 a.m. Abdominal Ultrasonography in Acute Care Settings

Rachel Rempell, MD

8:45 a.m. Musculoskeletal Applications

Andrea Matho, MD

9:15 a.m. Inpatient Ultrasound in Pediatric Medicine

Erin Finn, MD

NEONATAL/CRITICAL CARE BREAKOUT SESSIONS

7:30 a.m. Day 1 Review

7:45 a.m. Advanced Volume Assessment

Christie Glau, MD

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

Maky Fraga, MD

8:45 a.m. Approach to Shock and Hypotension

David Baker, MD

9:15 a.m. Functional Lung Ultrasound in Neonatology and Considerations in Critical Care

William Corder, MD

9:45 a.m. Break

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

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

Left Ventricular Function)

Noon Working Lunch



Ultrasound in ECMO 12:20 p.m.

Thomas Pawlowski, MD

12:40 p.m. PDA and Interesting Cases

Yogen Singh, MD

Umbilical Venous Cannulation in Neonates 1 p.m.

Maky Fraga, MD

Head Ultrasound Basics and Neuro-ultrasound 1:20 p.m.

Minh-Huy Huyah, MD

1:45 p.m. "Augmenting" POCUS Education

Michael Zubrow, MD

2:10 p.m. Consideration for Ultrasound Integration in Practice

All Faculty

Break 2:45

3 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 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

Maher Abulfaraj, MD

Arkansas Children's Hospital, Little Rock, AR

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Children's Hospital of Philadelphia

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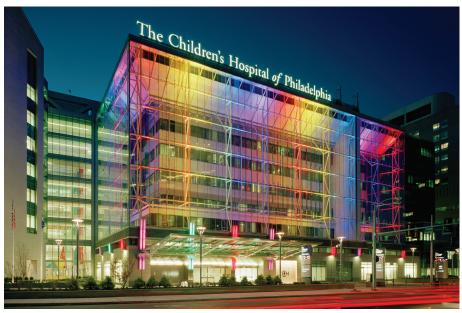
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