

CHOP Virtual Bedside Ultrasound Course and Advances in the Field

Nov. 11 – 13, 2020

Virtual Conference

Learn more: chop.cloud-cme.com



COURSE OVERVIEW

This course is focused on neonatal and pediatric critical care medicine bedside ultrasound. It is designed for neonatal, critical care and anesthesia providers with limited or basic knowledge of bedside ultrasonography. Through a combination of lectures, course attendees will learn ultrasound fundamentals (physics and principles of scanning) and ultrasound scanning techniques pertinent to neonatal and pediatric practice, including: basic procedural guidance (central line placement, arterial access, lumbar puncture, suprapubic tap, etc.); bladder scanning; FAFF (focused assessment of free abdominal fluid); lung evaluation; basic cardiac evaluation; and fluid and cardiac function. The course is being taught by neonatologists, cardiologists, emergency medicine physicians, anesthesiologists and critical care medicine ultrasound experts. A limited portion of this course will be devoted to a brief discussion of program development and administrative issues with regard to point-of-care ultrasound. **A third day is now offered through this virtual program, where an international group of experts will deliver lectures on advanced point-of-care ultrasound applications.**

All lectures will be taped and followed by a live, interactive question and answer session. Each lecture will repeat as a morning and afternoon session to allow for maximum participant flexibility in viewing. Registered participants will have access to both morning and afternoon sessions on all three days, with a maximum CME allowance of 12.25 *AMA PRA Category 1 Credit(s)*TM.

REGISTRATION FEES AND GENERAL INFORMATION

The registration fee includes course registration, live stream access to the conference and access to view presentations online. For any questions, please send your email to:

CMEoffice@email.chop.edu.

Full Course Registration

(All three days).....\$40

Friday Session Only.....Free

**TO REGISTER, PLEASE VISIT
CHOP.CLOUD-CME.COM.**

COURSE OBJECTIVES

Upon completion of this course, participants should be able to:

- Demonstrate core nonprocedural ultrasound skills (basic fluid and cardiac function assessment, abdominal ultrasounds, pulmonary ultrasounds and cranial ultrasounds) using bedside ultrasound
- Demonstrate core procedural ultrasound skills (intravenous line insertion and fluid drainage)
- Discuss appropriate indication and limitation of bedside ultrasound exam in a neonatal acute care setting

ACCME ACCREDITATION STATEMENT

Children's Hospital of Philadelphia is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

AMA CREDIT DESIGNATION STATEMENT

Children's Hospital of Philadelphia designates this live activity for a maximum of 12.25 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**Register online:
chop.cloud-cme.com**

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. In order to process refunds, cancellations must be received in writing by Friday, Nov. 6, 2020. No refunds will be issued thereafter.

PROGRAM • WEDNESDAY, NOV. 11, 2020 ULTRASOUND COURSE DIDACTICS, DAY 1

Morning Session

8 a.m.	Introduction <i>Thomas Conlon, MD</i> <i>Maky Fraga, MD</i>
8:20 a.m.	Physics and Knobology <i>Jason Stoller, MD</i>
9:05 a.m.	Procedural Ultrasound <i>Mark Weber, RN, CRNP-AC</i> <i>Erik Brandsma, MD</i>
9:45 a.m.	Abdominal Ultrasound Basics <i>Samuel Rosenblatt, MD</i>
10:15 a.m.	Break
10:30 a.m.	Lung Ultrasound Basics <i>Adam Himebauch, MD</i>
11 a.m.	Airway Ultrasound <i>Bereketeab Haileselassie, MD</i>
11:30 a.m.	Cardiac Ultrasound Basics <i>Maky Fraga, MD</i>
12:10 p.m.	Question/Answer
12:30 p.m.	Adjourn

Afternoon Session

1 p.m.	Introduction <i>Thomas Conlon, MD</i> <i>Maky Fraga, MD</i>
1:20 p.m.	Physics and Knobology <i>Jason Stoller, MD</i>
2:05 p.m.	Procedural Ultrasound <i>Mark Weber, RN, CRNP-AC</i> <i>Erik Brandsma, MD</i>
2:45 p.m.	Abdominal Ultrasound Basics <i>Samuel Rosenblatt, MD</i>
3:15 p.m.	Break
3:30 p.m.	Lung Ultrasound Basics <i>Adam Himebauch, MD</i>
4 p.m.	Airway Ultrasound <i>Bereketeab Haileselassie, MD</i>
4:30 p.m.	Cardiac Ultrasound Basics <i>Maky Fraga, MD</i>
5:10 p.m.	Question/Answer
5:30 p.m.	Adjourn

PROGRAM • THURSDAY, NOV. 12, 2020
ULTRASOUND COURSE DIDACTICS, DAY 2

Morning Session

8 a.m.	Review of Day 1 <i>Thomas Conlon, MD</i>
8:20 a.m.	Left Ventricular Functional Assessment <i>Cecile Tissot, MD</i>
8:55 a.m.	Right Ventricular Functional Assessment <i>Shazia Bhombal, MD</i>
9:30 a.m.	Approach to Shock and Hypotension <i>Thomas Conlon, MD</i>
10 a.m.	Break
10:15 a.m.	Volume Assessment Using Ultrasound <i>Christie Glau, MD</i>
10:45 a.m.	Neonatal Hemodynamic Considerations <i>Yogen Singh, MBBS, MD, DCH</i>
11:15 a.m.	Clinical Cases <i>Yogen Singh, MBBS, MD, DCH</i>
11:45 a.m.	Ultrasound Moving Forward <i>Erik Su, MD</i>
12:15 p.m.	Concluding Remarks <i>Thomas Conlon, MD</i> <i>Maky Fraga, MD</i>
12:30 p.m.	Adjourn

Afternoon Session

1 p.m.	Review of Day 1 <i>Thomas Conlon, MD</i>
1:20 p.m.	Left Ventricular Functional Assessment <i>Cecile Tissot, MD</i>
2 p.m.	Right Ventricular Functional Assessment <i>Shazia Bhombal, MD</i>
2:30 p.m.	Approach to Shock and Hypotension <i>Thomas Conlon, MD</i>
3 p.m.	Break
3:15 p.m.	Volume Assessment Using Ultrasound <i>Christie Glau, MD</i>
3:45 p.m.	Neonatal Hemodynamic Considerations <i>Yogen Singh, MBBS, MD, DCH</i>
4:15 p.m.	Clinical Cases <i>Yogen Singh, MBBS, MD, DCH</i>
4:45 p.m.	Ultrasound Moving Forward <i>Erik Su, MD</i>
5:15 p.m.	Concluding Remarks <i>Thomas Conlon, MD</i> <i>Maky Fraga, MD</i>
5:30 p.m.	Adjourn

PROGRAM • FRIDAY, NOV. 13, 2020
FRONT EDGE OF PEDIATRIC AND NEONATAL ULTRASOUND

Morning Session

8 a.m.	Introduction <i>Thomas Conlon, MD</i> <i>Maky Fraga, MD</i>
8:15 a.m.	Ultrasound in Adult and Pediatric COVID-19: Experience from the Front Line <i>Sara Arnoldi, MD</i> <i>Silvia Mongodi, MD, PhD, MSc</i>
9 a.m.	Neonatal and Pediatric Lung Ultrasound Considerations <i>Daniele De Luca, MD, PhD</i>
9:30 a.m.	What is Contrast Ultrasound? <i>Misun Hwang, MD</i>
10 a.m.	Break
10:15 a.m.	Introduction to Transcranial Doppler in Neurocritical Care <i>Kerri LaRovere, MD</i>
10:45 a.m.	Assessing Diastolic Function in Children: A Critical Care Perspective <i>Sarah Ginsburg, MD</i>
11:15 a.m.	Intestinal Ultrasound: NEC and Beyond <i>Yasser Elsayed, MD, PhD</i>
11:45 a.m.	Concluding Remarks <i>Thomas Conlon, MD</i> <i>Maky Fraga, MD</i>
Noon	Adjourn

Afternoon Session

1 p.m.	Introduction <i>Thomas Conlon, MD</i> <i>Maky Fraga, MD</i>
1:15 p.m.	Ultrasound in Adult and Pediatric COVID-19: Experience from the Front Line <i>Sara Arnoldi, MD</i> <i>Silvia Mongodi, MD, PhD, MSc</i>
2 p.m.	Neonatal and Pediatric Lung Ultrasound Considerations <i>Daniele De Luca, MD, PhD</i>
2:30 p.m.	What is Contrast Ultrasound? <i>Misun Hwang, MD</i>
3 p.m.	Break
3:15 p.m.	Introduction to Transcranial Doppler in Neurocritical Care <i>Kerri LaRovere, MD</i>
3:45 p.m.	Assessing Diastolic Function in Children: A Critical Care Perspective <i>Sarah Ginsburg, MD</i>
4:15 p.m.	Intestinal Ultrasound: NEC and Beyond <i>Yasser Elsayed, MD, PhD</i>
4:45 p.m.	Concluding Remarks <i>Thomas Conlon, MD</i> <i>Maky Fraga, MD</i>
5 p.m.	Adjourn

Course Directors

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*Director, Pediatric Critical Care Ultrasound
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