

Neonatology and Critical Care Point-of-care Ultrasound Course

Saturday, Nov. 17, and Sunday, Nov. 18, 2018

Ruth and Tristram Colket, Jr. Translational Research Building
on the Raymond G. Perelman Campus

Learn more: chop.cloud-cme.com



**Children's Hospital
of Philadelphia®**

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COURSE OVERVIEW

This course is focused on neonatal and pediatric critical care point-of-care ultrasound. It is designed for neonatal, critical care and anesthesia providers with limited or basic knowledge of bedside ultrasonography. 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 neonatal and pediatric practice, including: basic procedural guidance (central line placement, arterial access, lumbar puncture, suprapubic tap, etc.); bladder scanning; FAFB (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, and will have a low student-to-teacher ratio of 4-to-1. A limited portion of this 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.

GENERAL INFORMATION

The conference will be held at Children’s Hospital of Philadelphia in the Ruth and Tristram Colket, Jr. Translational Research Building on the Raymond G. Perelman Campus on Saturday, Nov. 17, and Sunday, Nov. 18, 2018.

REGISTRATION FEES

Physicians.....	\$900
Fellows, nurse practitioners and CHOP-affiliated providers.....	\$450

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

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 16 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

HOTEL ACCOMODATIONS

Rooms have been reserved at reduced rates at the Sheraton University City. The Sheraton is located in the heart of the University of Pennsylvania's bustling campus. The Sheraton has convenient access to Center City Philadelphia, Amtrak's 30th Street Station, I-76 and Philadelphia International Airport. The special rate for a single or double occupancy room is \$172 plus a 16.25 percent room tax. Participants are required to make their own hotel reservations by calling the Sheraton directly at 888-627-7071. Please mention the name of the conference when making your reservations. This special room rate will be available until **TBD**. After that date, reservations will be accepted based on space and rate availability.

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, less a \$50 service 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, Oct. 26, 2018. 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, NOV. 17, 2018

7 a.m.	Registration and Continental Breakfast
7:30 a.m.	Welcome and Course Overview <i>Maky Fraga, MD; Jason Stoller, MD; Thomas Conlon, MD</i>
7:45 a.m.	Physics and Fundamentals of Ultrasonography <i>Michael McWay, MD</i>
8:15 a.m.	Vascular Access: Peripheral, Central and Arterial Line Placement <i>Jesse Wenger, MD</i>
8:30 a.m.	Abdominal Ultrasound: Introduction to FAFF, Bladder Assessment and Paracentesis <i>Steffen Schmidt, MD</i>
9:15 a.m.	Lung Ultrasound: Pneumonia, Pneumothorax and Pleural Effusions <i>Adam Himebauch, MD</i>
9:45 a.m.	Break
10 a.m.	Hands-on Skills: Vascular Access/Abdomen/Chest
Noon	Lunch • Lumbar Puncture, Neonatal Vascular Access <i>Erik Brandsma, MD; Maky Fraga, MD</i>
1 p.m.	Basic Cardiac Views <i>Cecile Tissot, MD</i>
2:15 p.m.	Ultrasound Assessment of Shock and Hypotension <i>Thomas Conlon, MD</i>
2:45 p.m.	Break
3 p.m.	Hands-on Skills: Subcostal, Parasternal and Apical Views
5 p.m.	Adjourn

PROGRAM • SUNDAY, NOV. 18, 2018

7 a.m.	Continental Breakfast
7:30 a.m.	Brief Review
7:45 a.m.	Volume Assessment <i>Christie Glau, MD</i>
8:15 a.m.	Left Ventricular Functional Assessment <i>Alan M. Groves, MD, MB, ChB</i>
9 a.m.	PDA and Right Ventricular Functional Assessment <i>Shazia Bhombal, MD</i>
9:45 a.m.	Break
10 a.m.	Hands-on Skills: Right and Left Ventricular Assessment, Shock and Volume Assessment <i>Speaker?</i>
Noon	Lunch • Critical Care Cases: Introduction to NEC and Head Ultrasound <i>Sarah Ginsburg, MD; Misun Hwang, MD</i>
1 p.m.	Point-of-care Ultrasound: The International Experience <i>Pierre Tissieres, MD, PhD</i>
1:30 p.m.	Point-of-care Ultrasound Education <i>Jason Stoller, MD</i>
2 p.m.	Knowledge Assessment: Critical Review of Ultrasound Scans <i>Maky Fraga, MD; Jason Stoller, MD; Thomas Conlon, MD</i>
2:15 p.m.	Break
2:30 p.m.	Hand-on Skills: Case-based Cardiac, Lung/Abdomen, Vascular Access
4 p.m.	Questions — Course Evaluation — Adjourn

FACULTY

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

Thomas Conlon, MD

Director, Pediatric Critical Care Ultrasound

Assistant Professor of Anesthesiology and Critical Care Medicine

Maky Fraga, MD

Director, N/IICU Ultrasound

Associate Professor of Clinical Pediatrics, Division of Neonatology

Jason Stoller, MD

Associate Director, N/IICU Ultrasound

Associate Professor of Clinical Pediatrics, Division of Neonatology

Course Faculty

Sonali Basu, MD

Assistant Professor of Pediatrics and Critical Care Medicine

Department of Pediatric Critical Care

Children's National Medical Center

Shazia Bhombal, MD

Medical Director, NICU Heart Team

Division of Neonatal & Developmental Medicine

Clinical Assistant Professor, Pediatrics

Stanford University School of Medicine

Erik Brandsma, MD

Assistant Professor of Clinical Pediatrics, Division of Neonatology

Sarah Ginsburg, MD

Clinical Fellow, Pediatric Critical Care Medicine

Christie Glau, MD

Clinical Instructor, Anesthesiology and Critical Care Medicine

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Associate Professor of Pediatrics, Division of Newborn Medicine

Adam Himebauch, MD

Assistant Professor of Anesthesiology and Critical Care Medicine

Misun Hwang, MD

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Laura Kinneman, MD

Ultrasound Fellow, Department of Emergency Medicine

Michael McWay, MD

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Associate Medical Director for Clinical Implementation Programs

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Inselspital, Universitätsspital

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Professor and Director of Pediatric and Neonatal ICU

Paris South University Hospital

Paris, France

Cecile Tissot, MD

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University Children's Hospital of Geneva

Geneva, Switzerland

Diana Vargas, MD

Assistant Professor in Pediatrics

Neonatal Cardiac Intensive Care

Columbia University Medical Center

Mark Weber, RN, CRNP-AC, FCCM

Pediatric Critical Care Medicine

Jesse Wenger, MD

Assistant Professor

Department of Critical Care Medicine

Seattle Children's Hospital