



Ultrasound Workshop: Diagnostic and Procedural Skills

Focus on the Hospitalized Patient

May 16 – 18, 2019

Cleveland Clinic Simulation and Advanced Skills Center
Cleveland, OH



Register Today! ccfcme.org/GoUltra

You'll Want To Be At This Workshop

The use of ultrasound to diagnose and guide procedures is growing rapidly and you don't want to be left behind. This growth is primarily fueled by data indicating that ultrasound can improve the success rate of various procedures while decreasing complications. This ultrasound workshop will provide you with current state-of-the-art techniques for diagnosis and guiding procedures. You will be able to incorporate the lessons you learn by attending this workshop into your clinical practice.

Stay Current With These Objectives

- Apply focused assessment with sonography for trauma and cardiac tamponade
- Demonstrate competence to use ultrasound guidance for needle placement and peripheral arterial and venous access
- Describe best use of ultrasound for paracentesis, thoracentesis, and arthrocentesis
- Describe the most effective diagnostic use of ultrasound to assess for deep vein thrombosis
- Review the basics of musculoskeletal ultrasound to view joints, muscle, and soft tissue
- Review the protocols, evaluation, and best use of echocardiography in critically ill patients
- Summarize the basic science of ultrasound imaging and interpretation

Who Will Attend

This workshop is designed for physicians, physician assistants, and nurse practitioners in emergency medicine, internal medicine, hospital medicine, critical care, cardiology, general surgery, pediatrics, pulmonology, anesthesiology, and radiology.

Activity Codirectors



Amanjit Gill, MD
Staff
Interventional Radiology
Imaging Institute



Eduardo Mireles-Cabodevila, MD
Director
Simulation and Advanced Skills
Center
Education Institute

Cleveland Clinic Faculty

Patrick Collier, MD, PhD, FASE, FESC
Staff
Cardiovascular Medicine
Heart and Vascular Institute

Siddharth Dugar, MD
Associate Staff
Critical Care Medicine
Respiratory Institute

Myra Feldman, MD
Associate Staff
Computed Tomography
Imaging Institute

Michael Forney, MD
Associate Staff
Regional Radiology
Imaging Institute

Keshava Murthy Narayana Gowda, MD
Staff
Pediatric Critical Care Medicine
Pediatric Institute

William Hanna, MD
Staff
Pediatric Critical Care Medicine
Pediatric Institute

Douglas Joseph, DO, RVT, RPVI
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Cardiovascular Medicine
Heart and Vascular Institute

Venkatesh Kambhampati, MD
Associate Staff
Emergency Medicine
Emergency Services Institute

Aanchal Kapoor, MD
Associate Staff
Critical Care Medicine
Respiratory Institute

Maria Kertesz, MSN, RN, VA-BC
Nurse Manager
Imaging Institute

Rekha Mody, MD
Associate Staff
Diagnostic Radiology
Imaging Institute

Ajit Moghekar, MD
Associate Staff
Critical Care Medicine
Respiratory Institute

Michael Taylor, MD
Staff
Cardiothoracic Anesthesiology
Anesthesiology Institute

Thursday, May 16, 2019

Diagnostic Sessions and Hands-on Workshops

- 7:00 am** Registration, Continental Breakfast and Exhibits
- 7:50 am** Welcome and Introduction
Amanjit Gill, MD and Eduardo Mireles-Cabodevila, MD
- 8:00 am** Basics of Ultrasound: Focus on Diagnosis
Myra Feldman, MD
- 8:45 am** Ultrasound Demonstration and Hands-on Practice
- 9:15 am** Basics of Echocardiography
Patrick Collier, MD, PhD
- 9:45 am** Refreshment Break and Exhibits
- 10:00 am** Lung Ultrasound
Ajit Moghekar, MD

Concurrent Workshops (choice of one): 10:30 am – 12:30 pm

Workshop 1 Basics of Echocardiography Lead: <i>Patrick Collier, MD, PhD</i>	OR	Workshop 2 Lung Ultrasound Lead: <i>Ajit Moghekar, MD</i>
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12:30 pm Lunch and Exhibits

Concurrent Workshops (choice of one): 1:15 – 3:15 pm

Workshop 3 Basics of Echocardiography Lead: <i>Patrick Collier, MD, PhD</i>	OR	Workshop 4 Lung Ultrasound Lead: <i>Ajit Moghekar, MD</i>
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3:15 pm Refreshment Break and Exhibits

Concurrent Workshops (choice of one): 3:30 – 4:30 pm

Workshop 5 Focused Assessment with Sonography for Trauma (FAST) and Cardiac Tamponade Lead: <i>Venketesh Kambhampati, MD</i>	Workshop 6 Ultrasound for Deep Vein Thrombosis (DVT) Lead: <i>Douglas Joseph, DO</i>	Workshop 7 Musculoskeletal Ultrasound Lead: <i>Michael Forney, MD</i>	Workshop 8 Critical Care Echocardiography Lead: <i>Siddharth Dugar, MD</i>
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4:30 pm Wrap-up

4:45 pm Adjourn

Friday, May 17, 2019

Procedural Sessions and Hands-on Workshops

- 7:00 am** **Registration, Continental Breakfast and Exhibits**
- 7:50 am** **Welcome and Introduction**
Amanjit Gill, MD and Eduardo Mireles-Cabodevila, MD
- 8:00 am** **Basics of Ultrasound Overview: Focus on Procedures**
Myra Feldman, MD
- 8:45 am** **Ultrasound Demonstration and Hands-on Practice**
- 9:15 am** **Central Venous Access**
Michael Taylor, MD
- 9:45 am** **Paracentesis, Thoracentesis and Arthrocentesis**
Michael Forney, MD and Rekha Mody, MD
- 10:15 am** **Refreshment Break and Exhibits**
- 10:30 am** **Peripheral Access (IV, Midline, PICC, Arterial Line)**
Aanchal Kapoor, MD and Maria Kertesz, BSN, RN
- 11:00 am** **Finding the Needle and Peripheral Access with Ultrasound
(Stations with Blue Phantoms Hands-on Practice)**
Aanchal Kapoor, MD and Maria Kertesz, BSN, RN
- 12:00 pm** **Lunch and Exhibits**

Concurrent Workshops (choice of one): 12:45 – 2:45 pm

Workshop 9 Central Venous Access Lead: <i>Michael Taylor, MD</i>	OR	Workshop 10 Paracentesis, Thoracentesis and Arthrocentesis Lead: <i>Michael Forney, MD and Rekha Mody, MD</i>
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- 2:45 pm** **Refreshment Break and Exhibits**

Concurrent Workshops (choice of one): 3:00 – 5:00 pm

Workshop 11 Central Venous Access Lead: <i>Michael Taylor, MD</i>	OR	Workshop 12 Paracentesis, Thoracentesis and Arthrocentesis Lead: <i>Michael Forney, MD and Rekha Mody, MD</i>
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- 5:00 pm** **Wrap-up**

- 5:15 pm** **Adjourn**

Saturday, May 17, 2019

Optional Hands-on Concurrent Workshops: 8:00 am – 12:30 pm

Airway Management in the Critically Ill Lead: <i>Aanchal Kapoor, MD, Siddarth Dugar, MD and Eduardo Mireles-Cabodevila, MD</i>	OR	Pediatric Simulations and Ultrasound Lead: <i>Keshava Murthy Narayana Gowda, MD and William Hanna, MD</i>
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- 12:30 pm** **Adjourn**

A five-minute question and answer period is included in each speaker's allotted time.

General Information

Location

Simulation and Advanced Skills Center

Stanley Shalom Zielony Plaza (formerly HealthSpace)
Euclid Ave at 89th Street
Cleveland, OH 44106
Phone: 216.445.5463

Hotel Accommodations

A limited block of rooms has been reserved at the Holiday Inn Cleveland Clinic until (5:00 pm EST) April 15, 2019. 8650. The Hotel is within walking distance to the Advanced Skills Center.

To make your reservations, contact the hotel at 216.707.4200 or 888.HOLIDAY and identify yourself as an attendee for the **Ultrasound Workshop** for special rates of \$139 plus tax.

Holiday Inn Cleveland Clinic
8650 Euclid Ave, Cleveland, OH 44106
www.hiclevelandclinic.com

Parking

Parking is available at the Holiday Inn Cleveland Clinic hotel for an additional charge, or valet parking there is available at a rate of \$14.00/night. Parking is also available in surrounding lots.

Information

For further information about this activity, contact the Cleveland Clinic Center for Continuing Education.

Local: 216.444.9990 option 2
Website: ccfcmec.org/GoUltra

Americans with Disabilities Act

The Cleveland Clinic Foundation Center for Continuing Education fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify us at least two weeks prior to the activity.

Accreditation

The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The Cleveland Clinic Foundation Center for Continuing Education designates:

- **Diagnostic Sessions and Hands-on Workshops** live activity for a maximum of 7.75 AMA PRA Category 1 Credits™.
- **Procedural Sessions and Hands-on Workshops** live activity for a maximum of 8.25 AMA PRA Category 1 Credits™.
- **Optional Airway Management in the Critically Ill or Pediatric Simulations and Ultrasound Workshop** live activity for a maximum of 4.5 AMA PRA Category 1 Credits™.

Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Participants claiming CME credit from this activity may submit the credit hours to the American Osteopathic Association for Category 2 credit.

Other Health Care Professionals

A certificate of attendance will be provided to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

Faculty Disclosure

The Cleveland Clinic Foundation Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education (ACCME) Standards for Commercial Support requiring resolution of all faculty conflicts of interest. Faculty declaring a relevant commercial interest will be identified in the activity syllabus.

Registration

Fee includes: continental breakfast, refreshment breaks, lunch, program book, faculty PowerPoint presentations in PDF format available online, and workshops.

Non CCF and CCF/ Akron General Fees BEFORE April 1, 2019

Category	Diagnostic Day	Procedural Day	Optional Workshop	2-Days Plus Optional Workshop
Physician	\$750	\$750	\$500	\$1600
Nonphysician	\$750	\$750	\$500	\$1600
Resident/Fellow	\$750	\$750	\$500	\$1600

Non CCF and CCF/ Akron General Fees AFTER April 1, 2019

Category	Diagnostic Day	Procedural Day	Optional Workshop	2-Days Plus Optional Workshop
Physician	\$850	\$850	\$600	\$1800
Nonphysician	\$850	\$850	\$600	\$1800
Resident/Fellow	\$850	\$850	\$600	\$1800

Questions regarding registration please call CME Registration at 216.448.8710.

Visit www.ccfcmec.org/GoUltra for complete registration information.

Registration and Cancellation

Preregistrations are accepted until 2:00 pm ET May 15, 2019. Register on site after this date.

In case of cancellation, email notification is required to process your refund. A full refund will be issued if cancelled by April 27, 2019. After April 27, 2019, a \$350 cancellation fee for the Ultrasound Workshop course and/or a \$150 cancellation fee for the Saturday optional workshops will be deducted from your refund. No refunds will be issued after May 10, 2019. For questions about registration or cancellation, email us at cmeregistration@ccf.org or call 216.448.8710.

Cleveland Clinic Center for Continuing Education reserves the right to cancel or postpone an activity at our sole discretion. In the unlikely event that this occurs, any registration fee(s) paid will be refunded. Be advised that Cleveland Clinic is not responsible for related costs including airline tickets, hotel costs, or any similar fee penalties incurred as a result of any trip cancellations or changes.

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The Cleveland Clinic Foundation
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Cleveland, OH 441195

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