Hands-on Sessions!
Ultrasound for the Emergent and Critically Ill Pediatric Patient

Course Cochairs
Alyssa Abo, MD, Brian D. Coley, MD, and Beth Kline-Fath, MD

November 1–2, 2013
Hilton Orlando Bonnet Creek
Orlando, Florida

Earn up to 13 AMA PRA Category 1 Credits™
(accepted by the ARDMS) or ARRT Category A Credits

Register before September 10, 2013, to save!

www.aium.org
Ultrasound for the Emergent and Critically Ill Pediatric Patient

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Target Audience
The course is designed for practitioners who care for acutely ill pediatric patients. Whether in the emergency department, intensive care unit, radiology department, or any other location, this course is open to all practitioners of all backgrounds and all levels of training.

Course Description
This 2-day course will cover basic as well as advanced uses of ultrasound with respect to the emergent and critically ill pediatric patient. The course will be taught by national experts in ultrasound with backgrounds in pediatric emergency medicine, critical care, and radiology. The hands-on sessions will familiarize participants with ultrasound equipment and recognition of normal anatomy.

Course Objectives
Course attendees will learn a wide array of ultrasound principles and techniques as they pertain to emergent and critically ill pediatric patients. The course will review basic ultrasound principles and provide hands-on sessions to promote familiarity with sonographic imaging techniques. The course will emphasize ultrasound in pediatric trauma and the critically ill child, especially those presenting with abdominal pain, respiratory distress, and tachycardia. Pediatric ultrasound-guided procedures will be reviewed and demonstrated.
Faculty

Alyssa Abo, MD, Course Cochair
Assistant Professor
Division of Emergency Medicine
Children's National Medical Center
Washington, DC

Brian D. Coley, MD, Course Cochair
Radiologist-in-Chief
The Frederic N. Silverman Chair of Pediatric Radiology
Cincinnati Children's Hospital Medical Center
Professor of Radiology and Pediatrics
University of Cincinnati College of Medicine
Cincinnati, Ohio

Beth Kline-Fath, MD, Course Cochair
Chief, Fetal Imaging
Cincinnati Children's Hospital Medical Center
Associate Professor of Pediatric Radiology
University of Cincinnati College of Medicine
Cincinnati, Ohio

Lynn Ansley Fordham, MD
Associate Professor of Radiology
University of North Carolina
Division Chief, Pediatric Radiology
North Carolina Children's Hospital
Chapel Hill, North Carolina

Rob Goodman, MBBChir
Associate Professor of Diagnostic Radiology
Interim Chairman
Chief, Pediatric Imaging
Yale School of Medicine
New Haven, Connecticut

Jennifer Marin, MD, MSc
Director of Pediatric Emergency Ultrasound
Division of Emergency Medicine
Children's Hospital of Pittsburgh
Pittsburgh, Pennsylvania

Vicki Noble, MD, RDMS
Associate Professor for Harvard Medical School
Director of Emergency Ultrasound
Massachusetts General Hospital
Boston, Massachusetts

Hotel Reservations

Hilton Orlando Bonnet Creek
14100 Bonnet Creek Resort Ln
Orlando, FL 32821 USA
1-888-353-2013

When making your hotel reservation for the Ultrasound for the Emergent and Critically Ill Pediatric Patient course, identify yourself as being with the American Institute of Ultrasound in Medicine and use code ZAPC in order to receive the discounted room rate listed. Hotel reservations must be made directly with the Hilton Orlando Bonnet Creek no later than September 30, 2013.

Check-in: 4:00 PM
Check-out: 11:00 AM
Room Rate: $189 single/double

About the Hotel
Tucked away within a pristine nature preserve, the Hilton Orlando Bonnet Creek Resort is the newest Hilton Hotel near the Disney World® Resort and offers a 3-acre Florida-style lazy-river pool, award-winning restaurants, a championship golf club, and even a premier spa. The hotel is also offering great seasonal specials for you and your family.

Questions? Call the AIUM at 800-638-5352 or 301-498-4100
Ultrasound for the Emergent and

Friday, November 1, 2013  Saturday, November 2, 2013
8:00 AM–5:15 PM  8:00 AM–4:00 PM

The Basics
1. Physics, artifacts, and knobology; and
2. Normal cardiac, lung, abdominal, and pelvic structures.

Procedures
1. Vascular access: central and peripheral line placement, including complications and pitfalls;
2. Draining fluid: paracentesis, pericardiocentesis, and thoracocentesis;
3. Musculoskeletal applications: nerve blocks, arthrocentesis (hips/knees), and removal of foreign bodies;
4. Other procedures: bladder aspiration and lumbar puncture.

Case-Based Approach
1. Approach to the pediatric patient with lumps and bumps:
   • Soft tissue applications, identifying cellulitis and abscesses;
   • Head and neck lesions including peritonsillar abscesses;
2. Approach to the pediatric patient with chest pain:
   • Myocarditis, pericardial effusions, rib fractures, and costochondritis;
3. Approach to the pediatric patient with respiratory distress:
   • Pneumonia, bronchiolitis, pleural effusions, contusions, and mediastinal masses;
4. Approach to the pediatric patient with abdominal pain:
   • Pyloric stenosis, appendicitis, intussusception, renal conditions (including pyelonephritis), and gallbladder conditions;
5. Approach to the pediatric patient with pelvic pain:
   • Identifying testicular and ovarian pathology, and the approach to the pregnant teenager;
6. Approach to the pediatric patient after trauma:
   • Focused assessment with sonography for trauma (FAST), extended FAST, pneumothorax, fractures, and inferior vena cava assessment.
**Hands-on Session**

1. Knobology and equipment basics;
2. Cardiac and lung ultrasound;
3. Abdominal (including FAST) and renal ultrasound; and
4. Procedural applications: approach to vascular access, lumbar punctures, and other procedures.
Continuing Medical Education (CME) Information

Accreditation Statement
The American Institute of Ultrasound in Medicine (AIUM) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide CME activities for physicians.

Designation Statement
The AIUM designates the Ultrasound for the Emergent and Critically Ill Pediatric Patient for a maximum of up to 13.0 AMA PRA Category 1 CME Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Credits for Sonographers
Sonographers participating in AIUM educational activities may earn credits toward maintaining their professional certification from the following organizations:

American Registry for Diagnostic Medical Sonography (ARDMS)
The ARDMS accepts AMA PRA Category 1 CME Credits™.

American Registry of Radiologic Technologists (ARRT)
The AIUM is a Recognized Continuing Education Evaluation Mechanism (RCEEM) for the American Registry of Radiologic Technologists (ARRT). These educational activities are approved by the AIUM for ARRT Category A Credits.

Activity Designed to Change
Competence
Performance

Accreditation Council of Graduate Medical Education (ACGME) Competencies
These courses are designed to meet the following ACGME competencies:

Medical Knowledge
Patient Care and Procedural Skills
Practice-Based Learning and Improvement
Professionalism
Systems-Based Learning

Disclosure Policy
As a provider accredited by the ACCME, the AIUM must ensure balance, independence, objectivity, and scientific rigor in all its activities. Anyone involved in planning this CME activity is required to disclose to learners any relevant financial relationships that have occurred within the last 12 months with any commercial interest(s) whose products or services are discussed in the CME content. Such relationships are defined by remuneration in any amount from the commercial interest(s) in the form of grants; research support; consulting fees; salary; ownership interest (eg, stocks, stock options, or ownership interest excluding diversified mutual funds); honoraria or other payments for participation in speakers bureaus, advisory boards, or boards of directors; and other financial benefits. Individuals involved in planning will be asked to recuse themselves from any portion of the planning where a bias might exist.

All faculty participating in an educational activity provided by the AIUM are required to disclose to the provider and to the learner any relevant financial relationships with any commercial interest. The AIUM must determine if the faculty’s relationships may influence the educational content with regard to exposition or conclusion and resolve any conflicts of interest before the commencement of the educational activity. The intent of this disclosure is not to prevent faculty with relevant financial relationships from serving as faculty but rather to provide members of the audience with information on which they can make their own judgments.

The AIUM has reviewed all disclosures and resolved or managed all identified conflicts of interest, as applicable.

Policy on Unlabeled/Off-Label Usage
The AIUM has determined that disclosure of unlabeled/off-label or investigational use of commercial products is informative for audiences and therefore requires this information to be disclosed to the learners at the beginning of the presentation. Uses of specific therapeutic agents, devices, and other products discussed in this educational activity may not be the same as those indicated in product labeling approved by the US Food and Drug Administration. The AIUM requires that any discussions of such “off-label” use be based on scientific research that conforms to generally accepted standards of experimental design, data collection, and data analysis. Before recommending or prescribing any therapeutic agent or device, learners should review the complete prescribing information, including indications, contraindications, warnings, precautions, and adverse events.

Disclaimer
The information presented in this activity represents the opinion of the faculty and is not necessarily the official position of the AIUM.

Documenting CME Credits
The AIUM provides CME certificates to those who have participated in an AIUM educational activity. The AIUM does not submit credits to regulating bodies or certifying organizations on behalf of the participant. It is the participant’s responsibility to submit proof of credits on his or her own behalf.

Disclosures for This Activity
The faculty, committee members, and AIUM staff involved in planning this CME activity have completed a Conflict of Interest Disclosure Form. Disclosures will be listed under the speaker’s name, in italics in the syllabus. All completed disclosure forms are on file and available for review at the AIUM office.
# Ultrasound for the Emergent and Critically Ill Pediatric Patient

## Registration Form

Register by September 10, 2013, to save!

**Please type or print**

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**Profession**

- Physician
- Medical Board Certification
- Sonographer
- Other

**Registration Fees**

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* Registration fees include breakfast and lunch on Friday and Saturday, and a flash drive course syllabus. (A printed syllabus will not be provided.)

**Cancellation Policy**

The AIUM reserves the right to cancel this course, and all money paid to the AIUM will be refunded. If registrants choose to cancel their course registration before August 12, 2013, they will receive a 75% refund. After August 12, 2013, and no later than September 10, 2013, a 50% refund will be given. After September 10, 2013, no refunds will be given.

**Videotaping and Photography Policy**

The AIUM does not allow any unauthorized videotaping or photography during the event except by management and its designated agents. The AIUM reserves the right to photograph or videotape any exhibits or attendee for use in promotional materials or any other AIUM publication. The AIUM may videotape educational courses for inclusion in the AIUM’s educational video program library.

**Payment**

- Check enclosed payable to the AIUM in US dollars
- VISA
- MasterCard
- American Express

Card No.

Expiration Date | Card Security Code (3- or 4-digit value printed on the front of the card or signature strip)

Signature

Credit Card Billing Address Postal Code

**Register online at www.aium.org or return form to:**

American Institute of Ultrasound in Medicine
Attn: November Postgraduate Course Registration
14750 Sweitzer Ln, Suite 100
Laurel, MD 20707-5906 USA
Phone: 800-638-5352 or 301-498-4100
Fax: 301-498-4450
Website: www.aium.org

**AIUM Office Use:**

Date Paid | Check # | Payee | Source Code: PED13

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