Point-of-Care Ultrasound for the Emergency and Critically Ill Patient

A Comprehensive Didactic and Hands-on Course for All Clinicians Involved in Treating Acutely Ill Patients

August 3–5, 2012

CAESARS PALACE
LAS VEGAS, NEVADA

LIMITED REGISTRATION!
Space is limited to 100 registrants taken on a first-come, first-served basis.

Earn up to 21.5 AMA PRA Category 1 Credits™ (accepted by the ARDMS) or ARRT Category A Credits.

FACULTY
Michael Blaivas, MD, FACEP
Course Co-Director
Vicki Noble, MD, FACEP
Course Co-Director and American College of Emergency Physicians Coordinator
Rajesh Geria, MD, RDMS
Alexander Levitov, MD
Paul Mayo, MD
Michael Stone, MD, RDMS

Hands-on Live Model/Phantom Scanning!
This course will be an essential experience for all physicians and sonographers who are interested in point-of-care ultrasound.

**Course Objectives**

Course attendees will learn and be able to discuss basic principles of point-of-care ultrasound machine operation and scanning. Attendees will also learn and be able to discuss basic and advanced point-of-care ultrasound applications, including lung and pleural ultrasound, vascular access, procedural guidance, focused abdominal and pelvic ultrasound, deep venous thrombosis evaluation, cardiac echocardiography, and musculoskeletal/soft tissue applications.

**Target Audience**

This course is designed for all clinicians who care for critically ill, emergent, or acutely ill patients and those who provide perioperative patient care. It will be useful to any clinician regardless of specialty or training who is interested in or uses point-of-care or bedside ultrasound in patient evaluation and treatment.

**Course Description**

This course will provide comprehensive coverage of basic and advanced point-of-care ultrasound principles, applications, and techniques. The course will focus on bedside ultrasound use in evaluating and treating perioperative, urgent, emergent, and critical patients in a variety of settings. A robust hands-on component and lectures by national experts that build on earlier principles will allow participants to attain excellent initial training and an understanding of a wide armament of point-of-care ultrasound applications. Topics will cover the current breadth of point-of-care ultrasound applications becoming standards of care in a variety of clinical settings and practices. The faculty will cover a wide range of clinical backgrounds in point-of-care ultrasound. This diverse faculty will provide different points of view and expert-designed lectures in their topic areas. There will be ample time for discussion with faculty, especially during the hands-on components of the course.

The hands-on segments will use live models as well as ultrasound phantoms to deliver as much practical experience as possible to attendees, establishing a solid basis for their clinical ultrasound practice. The presentation of basic through advanced topics in point-of-care ultrasound will serve novice through advanced users.
Faculty

Michael Blaivas, MD, FAIUM, FACEP  
Course Co-Director  
AIUM Emergency and Critical Care Community of Practice Chair  
Professor of Emergency Medicine  
Northside Hospital Forsyth  
Atlanta, Georgia

Vicki Noble, MD, RDMS, FACEP  
Course Co-Director  
American College of Emergency Physicians Coordinator  
Associate Professor for Harvard Medical School  
Director Emergency Ultrasound  
Massachusetts General Hospital  
Boston, Massachusetts

Alexander B. Levitov, MD, RDCS  
Professor of Medicine  
Eastern Virginia Medical School  
Norfolk, Virginia

Paul Mayo, MD  
Director, Medical Intensive Care Unit  
Long Island Jewish Medical Center  
Professor of Clinical Medicine  
Hofstra North Shore Long Island Jewish School of Medicine  
Hempstead, New York

Mike Stone, MD, RDMS  
Department of Emergency Medicine  
Highland General Hospital  
Oakland, California

Rajesh N. Geria, MD, FACEP, RDMS  
Chief, Division of Emergency and Critical Care Ultrasound  
Assistant Professor, Staff Attending Physician  
Chair Elect, ACEP Section of Emergency Ultrasound  
Director, Emergency Ultrasound Fellowship  
Department of Emergency Medicine  
Robert Wood Johnson Medical School UMDNJ  
New Brunswick, New Jersey

Accommodations

Caesars Palace  
3570 Las Vegas Blvd S  
Las Vegas, Nevada 89109 USA  
1-866-227-5938

About the Hotel

From the moment you walk through the doors of Caesars Palace, you know you’ve arrived at the most prestigious resort in the world. Impeccable service and luxury—all the little details that make the difference between an ordinary visit and a spectacular experience are yours.

Hotel Reservations

When making your hotel reservations for Caesars Palace, identify yourself as being with the American Institute of Ultrasound in Medicine ER Course to receive the discounted room rate listed below. Hotel reservations must be made directly with Caesars Palace no later than July 3, 2012.

Room Rate: $139 single/double, Forum Tower; check-in: 4:00 pm, check-out 11:00 am.
Preliminary Schedule
FRIDAY, AUGUST 3, 2012

7:00 AM–7:30 AM  Registration and Breakfast
7:30 AM–7:40 AM  Housekeeping and Opening Remarks
7:40 AM–8:30 AM  Ultrasound Physics, Knobology, Doppler, Tricks, and Optimization Hints
8:30 AM–9:00 AM  Vascular Access 1: Technique and Basics for Central, Peripheral, and Arterial Lines
9:00 AM–9:30 AM  Deep Venous Thrombosis Detection by Ultrasound
9:30 AM–10:00 AM  Point-of-Care Transthoracic Echocardiography 1: Basic Principles
10:00 AM–10:20 AM  Refreshment Break
10:20 AM–10:50 AM  Point-of-Care Lung Ultrasound 1: Fluid, Contusions, Effusions, and Pneumothorax
10:50 AM–11:20 AM  Focused Assessment With Sonography in Trauma Examination
11:20 AM–11:50 AM  Ultrasound-Guided Regional Anesthesia 1: Principles, Techniques and Upper Extremity Blocks
12:15 PM–1:15 PM  Lunch
1:15 PM–3:15 PM  Hands-on Vascular Access, Deep Venous Thrombosis, and Regional Anesthesia
3:15 PM–3:30 PM  Refreshment Break and Quick Questions
3:30 PM–5:30 PM  Hands-on Focused Assessment With Sonography in Trauma, Echocardiography, and Lung Ultrasound
**SATURDAY, AUGUST 4, 2012**

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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>7:00 AM–7:30 AM</td>
<td>Registration and Breakfast</td>
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<tr>
<td>7:30 AM–7:40 AM</td>
<td>Housekeeping and Opening Remarks</td>
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<tr>
<td>7:40 AM–8:30 AM</td>
<td>Point-of-Care Evaluation of Acute Abdominal Pathology 1: Gallbladder, Liver, and Renal</td>
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<td>8:30 AM–9:00 AM</td>
<td>Ultrasound-Guided Critical Procedures 1: Paracentesis, Thoracentesis, and Pneumothorax Drainage</td>
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<td>9:00 AM–9:30 AM</td>
<td>Ultrasound-Guided Regional Anesthesia 2: Lower Extremity Blocks and Advanced Techniques</td>
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<tr>
<td>9:30 AM–10:00 AM</td>
<td>Point-of-Care Transthoracic Echocardiography 2: Advanced Applications</td>
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<td>10:00 AM–10:20 AM</td>
<td>Refreshment Break</td>
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<td>10:20 AM–10:50 AM</td>
<td>Point-of-Care Lung Ultrasound 2: Pulmonary Edema, Pneumonia, Contusions, and More</td>
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<td>11:20 AM–11:50 AM</td>
<td>Head and Neck Ultrasound 1: Evaluation of the Airway, Pharynx, and Face</td>
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<tr>
<td>11:50 AM–12:15 PM</td>
<td>Point-of-Care Evaluation of Acute Abdominal Pathology 2: Aorta, Bowel, and Appendix</td>
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<td>12:15 PM–1:15 PM</td>
<td>Lunch</td>
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<td>1:15 PM–3:15 PM</td>
<td>Hands-on Abdominal Pathology, Ultrasound-Guided Procedures and Head and Neck</td>
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<td>3:15 PM–3:30 PM</td>
<td>Refreshment Break and Quick Questions</td>
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<tr>
<td>3:30 PM–5:30 PM</td>
<td>Hands-on Regional Anesthesia, Point-of-Care Echocardiography, and Pelvic and Abdominal Pathology</td>
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**SUNDAY, AUGUST 5, 2012**

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<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>6:30 AM–7:00 AM</td>
<td>Breakfast</td>
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<tr>
<td>7:00 AM–7:50 AM</td>
<td>Transesophageal Echocardiography: Principles and Point-of-Care Applications</td>
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<td>7:50 AM–8:20 AM</td>
<td>Point-of-Care Emergency Soft Tissue and Musculoskeletal Evaluation</td>
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<td>8:20 AM–8:50 AM</td>
<td>Point-of-Care Soft Tissue and Musculoskeletal Invasive Procedures</td>
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<td>8:50 AM–9:20 AM</td>
<td>Pelvic Ultrasound 2: Evaluation of Acute Pelvic Pathology and Pain</td>
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<td>9:20 AM–9:50 AM</td>
<td>Head and Neck Ultrasound 2: Ocular and Facial Trauma and Pathology</td>
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<tr>
<td>9:50 AM–10:20 AM</td>
<td>Putting It All Together</td>
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REGISTER ONLINE AT WWW.AIUM.ORG
Continuing Medical Education (CME) Information

Activity Description
This Point-of-Care Ultrasound for the Emergency and Critically Ill Patient course will be an essential experience for all physicians and sonographers who are interested in point-of-care ultrasound.

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 Point-of-Care Ultrasound for the Emergency and Critically Ill Patient; A Comprehensive Didactic and Hands-on Course for All Clinicians Involved in Treating Acutely Ill Patients for a maximum of 21.5 AMA PRA Category 1 Credits™ (accepted by the ARDMS) or ARRT Category A Credits. Physicians should claim only those credits commensurate with the extent of their participation in the activity.

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

Activity Designed to Change
Competence; Performance

ACGME Competencies
This course is designed to meet one or more of the following Accreditation Council of Graduate Medical Education competencies: Patient Care and Procedural Skills, Medical Knowledge, Practice-Based Learning and Improvement, Interpersonal and Communication Skills, 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 are required to disclose to learners any relevant financial relationship(s) 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 speakers' bureaus, advisory boards, or boards of directors; or 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 is 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 prior to 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 product(s) 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 Food and Drug Administration (FDA). 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 regulation 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 Disclosure of Financial Relationship. Disclosures are listed under the speaker's name in the Final Program. All completed disclosure forms are on file and available for review at the AIUM office.

QUESTIONS? CALL THE AIUM AT 800-638-5352 OR 301-498-4100
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A Comprehensive Didactic and Hands-on Course for All Clinicians Involved in Treating Acutely Ill Patients

August 3–5, 2012

Please type or print
Company ________________________________________________________________
Contact _________________________________________________________________
Address _________________________________________________________________
City, State, Postal Code, Country _____________________________________________
Phone __________________ Fax __________________
E-mail ________________________________________________________________

❑ Exhibit | $700
Includes company logo and link on the course website and 1x use of the attendee mailing list*.

❑ Course Syllabus Support | $1000
Includes company logo and link on the course website and 1x use of the attendee mailing list*.
Syllabus Formats: If printed, the company logo and URL will be featured on the inside cover. If provided on a flash drive, the company logo and link will be displayed on the opening page of the program.

❑ Educational Grant | minimum $3000
Includes company logo and link on the course website, complimentary exhibit space, and 2x use of the attendee mailing list*.
Unrestricted Educational Grants are applied to the overall development and promotion of the course.
*Mailing must be preapproved by AIUM. Exhibitor will assume responsibility for their property at all times.

Payment
❑ Check Enclosed Payable to the AIUM in US Dollars
❑ Charge $ _______________________ to my  □ VISA  □ MasterCard  □ American Express
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Card Security Code _________________ (3- or 4-digit value printed on the card or signature strip)

Signature ______________________________________________________________

Return to:
Michele Lewis, mlewis@aium.org
American Institute of Ultrasound in Medicine
14750 Sweitzer Ln, Suite 100 • Laurel, MD 20707-5906 USA
Phone: 800-638-5352 or 301-498-4100 • Fax: 301-498-4450

Thank you for your support!