Perioperative and Acute Care Ultrasound Workshop

Incorporating Point of Care Ultrasound in all Aspects of Acute Care

Key Topics Include:
- Cardiac
- Pulmonary
- Hemodynamic
- Airway
- Abdominal
- Regional

Over 6 Hours of Hands-on Training!

September 22nd & 23rd, 2018
Hyatt Regency
Huntington Beach, CA

www.pocuseducation.com
Phone (909) 558-4475
Overview:

The third annual perioperative and acute care ultrasound workshop is hosted by the Anesthesiology Departments at Loma Linda University Medical Center and UCLA Medical Center. The focus of the workshop is to teach practitioners how point of care ultrasound can facilitate acute care management, both for adults and pediatrics. The course directors of this workshop are adult and pediatric anesthesiologists, however the target audience for the workshop includes all Acute Care Providers, i.e., Anesthesiologists, Pediatricians, Internists, Hospitalists, Surgeons, and Intensivists.

National leaders in point of care ultrasound lead the workshop. Our instructors have developed a “whole-body” ultrasound examination that has been validated for its clinical utility. This examination termed FORESIGHT (Focused, PeriOperative, Risk, Evaluation, Sonography, Involving, Gastro-Abdominal, Hemodynamic, and Trans-Thoracic ultrasound) has been designed by a multi-disciplinary team of Emergency Medicine, Critical Care, Cardiology, and Anesthesiology specialties. Attendees will be taught via this validated curriculum the key aspects of cardiac, pulmonary, abdominal, and hemodynamic ultrasound for the perioperative and acute care setting. We are offering 3 hours of CME with review of online content for a total of 17 AMA PRA Category 1 Credits.

Learning Objectives

- Basic Cardiac Evaluation (gross ventricular function, gross valve evaluation, and tamponade evaluation)
- Airway and Pulmonary Ultrasound (assessment of endotracheal tube location, evaluation for pneumothorax, and assessment of severe air space disease)
- Abdominal Ultrasound (assessment of gastric volume and FAST – Focused Assessment with Sonography in Trauma)
- Hemodynamic Ultrasound (assessment of volume status and central venous pressure)
- Regional Ultrasound (review of novel regional ultrasound techniques)

Once registered, the participants will receive access to course material via an E-book and have access to all lecture podcasts/files online. It is highly encouraged that the participants review this material prior to the course date via the workshop website.

www.pocuseducation.com
Unique Course Features

- Instruction via a clinically validated simulation-based lecture series
- Over six hours of hands on training with live models and simulators
- Course instructors are national leaders in point of care ultrasound education
- Up to 17 hours of CME
- Large number of instructors and models
- Wide variety of ultrasound machines
- Learn using the latest simulation and educational tools with virtual presence technology
- Practical review of physics and ultrasound knobology
- Pre- and post- training testing
- Optional Critical Care Topics and Remote Image Review following the course

Additional Small Group Sessions

Additional Small Group Sessions will be Available on:

- Rescue Transesophageal Echocardiography (TEE)
- Pediatrics
- Pathology Simulation Training

Target Audience

The course directors of this workshop are adult and pediatric anesthesiologists and the course faculty include: Anesthesiology, Emergency Medicine, Internal Medicine, and Critical Care physicians. Target audience includes all health care providers involved with acute care medicine including: Anesthesiology, Pediatrics, Hospitalist Medicine, Surgery, and Critical Care.

www.pocuseducation.com
### Faculty

#### Departmental Chairs

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robert D. Martin, MD</td>
<td>Chairman, Professor of the Floyd S. Brauer</td>
<td>Department of Anesthesiology, Loma Linda University Medical Center</td>
</tr>
<tr>
<td>Aman Mahajan, MD, PhD, MBA</td>
<td>Ronald L. Katz MD Professor and Chair Department of Anesthesiology &amp; Perioperative Medicine Professor of Anesthesiology and Bioengineering Executive Director, UCLA Perioperative Services</td>
<td></td>
</tr>
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#### Program Co-Directors

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Davinder Ramsingh, MD</td>
<td>Associate Professor, Director of Clinical Research and Perioperative Ultrasound Department of Anesthesiology &amp; Perioperative Medicine David Geffen School of Medicine at UCLA</td>
<td></td>
</tr>
<tr>
<td>Jacques Prince Neelankavil, MD</td>
<td>Assistant Clinical Professor, Director, Perioperative Echocardiography Program Director, Cardiothoracic Fellowship Department of Anesthesiology &amp; Perioperative Medicine David Geffen</td>
<td></td>
</tr>
</tbody>
</table>

#### Michael Bengenon, MD
- Assistant Professor, Anesthesiology Department of Anesthesiology Loma Linda University Medical Center Loma Linda, California

#### Maxime Cannesson, M.D., Ph.D.
- Professor of Anesthesiology, Vice Chair for Perioperative Medicine Department of Anesthesiology & Perioperative Medicine David Geffen School of Medicine at UCLA

#### Vi Dinh, MD
- Associate Professor Director of Ultrasound in Medical Education Department of Emergency Medicine Loma Linda University Medical Center Loma Linda, California

#### Ihab Dorotta, MBBS
- Associate Professor Chief of Quality and Patient Safety Director, Critical Care Center Department of Anesthesiology Loma Linda University Medical Center Loma Linda, California

#### J Christian Fox, MD
- Professor and Interim Chair Director of Instructional Ultrasound Department of Emergency Medicine University of California, Irvine

#### Jason Gatling, MD
- Associate Professor Program Director, Anesthesiology Residency Department of Anesthesiology Loma Linda University Medical Center Loma Linda, California

#### Vadim Gudzenko, MD
- Assistant Clinical Professor Critical Care Medicine Director, Critical Care Medicine Fellowship Program Department of Anesthesiology & Perioperative Medicine David Geffen School of Medicine at UCLA

#### Reed Harvey, MD
- Assistant Clinical Professor Cardiothoracic Anesthesiology Department of Anesthesiology & Perioperative Medicine David Geffen School of Medicine at UCLA

#### Jonathan Ho, MD
- Associate Clinical Professor Co-Chief, Cardiothoracic Anesthesiology Director, UCLA Interventional Cardiovascular Operations Department of Anesthesiology & Perioperative Medicine David Geffen School of Medicine at UCLA

#### Ryan Lauer, MD
- Associate Professor Director, Cardiac Anesthesiology Residency Program Director, Cardiac Anesthesia Fellowship Department of Anesthesiology Loma Linda University Medical Center Loma Linda, California

#### Jure Marijic, MD
- Clinical Professor Director, Pediatric Cardiac Anesthesiology Department of Anesthesiology & Perioperative Medicine David Geffen School of Medicine at UCLA

#### Carin Mascetti, MD
- Assistant Professor Department of Anesthesiology Loma Linda University Medical Center Loma Linda, California

#### Mohamed Nour, MD
- Assistant Professor, Director, Acute Pain Service Department of Anesthesiology Loma Linda University Medical Center Loma Linda, California

#### Joseph Rinehart, MD
- Associate Professor Director of Clinical Research Department of Anesthesiology and Perioperative Care University of California, Irvine Irvine, California

#### Nishant Shah, MD
- Assistant Director, Echocardiography Department of Anesthesiology Loma Linda University Medical Center Loma Linda, California

#### Gary Shih, MD
- Assistant Professor Division of Critical Care Medicine Department of Anesthesiology Loma Linda University Medical Center Loma Linda, California

#### Gary Stier, MD
- Professor Anesthesiology, Internal Medicine and Critical Care Program Director, Combined Anesthesiology and Internal Medicine Residency Director, Pre-Anesthesia Consultation and Education Clinic Department of Anesthesiology Loma Linda University School of Medicine Loma Linda, California

#### Sumit Singh, MD
- Assistant Clinical Professor Critical Care Medicine Medical Director, Greater LA VA Surgical ICU Critical Care Medicine David Geffen School of Medicine at UCLA

#### Josh Zimmerman, MD, FASE
- Associate Professor Director, Perioperative Echocardiography Director, Preoperative Clinic University of Utah Department of Anesthesiology Assistant Director, Echocardiography George E. Wahlen VA Medical Center Salt Lake City, Utah Department of Anesthesiology & Perioperative Medicine
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00</td>
<td>Registration &amp; Continental Breakfast</td>
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<tr>
<td>8:00</td>
<td>Introduction and Keynote Address</td>
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<tr>
<td>8:30</td>
<td>Ultrasound Physics, Knobology, and Pitfalls</td>
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<td></td>
<td><strong>Airway/Pulmonary</strong></td>
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<tr>
<td>9:00</td>
<td>Pulmonary Ultrasound (Lecture)</td>
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<tr>
<td>9:45</td>
<td>Airway Ultrasound (Lecture)</td>
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<tr>
<td>10:15</td>
<td>Static and Dynamic Assessment of Volume Status (Lecture)</td>
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<tr>
<td>10:15–10:30</td>
<td>Break</td>
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<tr>
<td>10:30-12:30</td>
<td>Hands-on Training (all stations have live models and pathology simulation)</td>
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<tr>
<td></td>
<td>Station 1 – Knobology</td>
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<td></td>
<td>Station 2 – Airway (live model)</td>
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<td></td>
<td>Station 3 – Pulmonary</td>
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<td>Station 4 – Static and Dynamic Assessment of Volume Status</td>
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<tr>
<td>12:30</td>
<td>Lunch and Q/A</td>
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<td><strong>Regional Anesthesia</strong></td>
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<td>1:30</td>
<td>Advances in Regional Anesthesia</td>
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<td></td>
<td><strong>Abdominal</strong></td>
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<tr>
<td>2:00</td>
<td>FAST examination (Lecture)</td>
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<tr>
<td>2:30</td>
<td>Assessment of Gastric Volume (Lecture)</td>
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<tr>
<td>2:45</td>
<td>Vascular Access (Lecture)</td>
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<tr>
<td>3:00</td>
<td>Break</td>
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<tr>
<td>3:15</td>
<td>Hands-on Training (all stations have live models and pathology simulation)</td>
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<tr>
<td></td>
<td>Station 1 – FAST exam</td>
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<td></td>
<td>Station 2 – Gastric Volume Assessment / Vascular Access</td>
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<td></td>
<td>Station 3 – Regional Anesthesia Part 1</td>
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<td></td>
<td>Station 4 – Regional Anesthesia Part 2</td>
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<tr>
<td>5:15</td>
<td>Adjourned</td>
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**Sunday, September 23, 2018**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00</td>
<td>Continental Breakfast</td>
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<tr>
<td></td>
<td><strong>Cardiac Ultrasound</strong></td>
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<tr>
<td>8:00</td>
<td>Cardiac Views (Lecture)</td>
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<td>8:30</td>
<td>Assessment of Ventricular Function (Lecture)</td>
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<tr>
<td>9:00</td>
<td>Assessment of Valvular Function (Lecture)</td>
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<td>9:30</td>
<td>Break</td>
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<tr>
<td>9:45</td>
<td>Rescue Transesophageal Echocardiography</td>
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<tr>
<td>10:15</td>
<td>Putting it All Together: the FORESIGHT Perioperative POCUS Exam)</td>
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<tr>
<td>11:00</td>
<td>Hands-on Training (all stations have live models and pathology simulation)</td>
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<tr>
<td></td>
<td>Station 1 – Cardiac Views</td>
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<td></td>
<td>Station 2 – Cardiac Valve Assessment</td>
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<td></td>
<td>Station 3 – Pathology Simulation/ Review</td>
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<td></td>
<td>Station 4 – Rescue Transesophageal</td>
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<tr>
<td>1:00</td>
<td>Adjourned</td>
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<tr>
<td>1:00</td>
<td><strong>Optional Training</strong>: Faculty will remain for 1 hour to discuss the following:</td>
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<tr>
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<td>1. Advanced Critical Care Topics (Neuro, DVT/PE Evaluation, Advanced Pulmonary, Advanced Cardiac)</td>
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<td>2. Additional Topics 20 remote education image critiques following the course</td>
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</table>
General Information

Conference Location

Hyatt Regency Huntington Beach Resort and Spa
21500 Pacific Coast Highway
Huntington Beach, California, USA, 92648
Tel: +1 714 698 1234
https://huntingtonbeach.regency.hyatt.com
Conference Hotel Rate Available at:
https://aws.passkey.com/go/PerioperativePointofCare

Registration Fee

$800 Physicians, CRNAs, Nurses, and Allied Health Professionals

$500 Fellows/Residents
(*Must submit letter of verification)

Refunds

A processing fee of $50.00 is withheld from all refunds (full refund if course is canceled or rescheduled). Requests for refunds must be in writing and received no later than August 01, 2018.

Enrollment

Enrollment is limited. Early enrollment is strongly recommended.

By Mail
Use the form attached. For additional applications, use a photocopy or separate sheet giving all information requested on form.

By Phone
Use your MasterCard, VISA, American Express, or Discover. Call (909) 558-4475.

By Fax
Send completed enrollment form with credit card information and authorizing signature. FAX (909) 558-4143.

Online
Use your PayPal, MasterCard, VISA, Discover Card, or American Express. Go to http://www.pocuseducation.com

Accreditation

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the University of California, Irvine School of Medicine and Loma Linda University Health. The University of California, Irvine School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

Designation Statement
The University of California, Irvine School of Medicine designates this live activity for a maximum of 17 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Disclosure

The departments sponsoring this workshop fully endorse the concept that this event is free of commercial influence. In compliance with this policy, all speakers and planners will disclose relevant financial relationships prior to the event.

Information

If you have questions about the program, please contact the Department of Anesthesiology at Loma Linda University Medical Center.

Phone: (909) 558-4475
Fax: (909) 558-4143

11234 Anderson Street,
MC-2532-D
Loma Linda, CA 92354
## 2018 Perioperative and Acute Care Ultrasound Workshop

<table>
<thead>
<tr>
<th>Course Options</th>
<th>Amount</th>
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<tbody>
<tr>
<td>$\text{800} \text{}$ Physicians, CRNAs, Nurses and Allied Health Professionals</td>
<td></td>
</tr>
<tr>
<td>$\text{500} \text{}$ UCLA and Loma Linda Fellows/Residents (*Must submit letter of verification)</td>
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Please print clearly. Include your credit card number and authorized signature.

**Last four digits of your Social Security Number**

**Name (First/Middle/Last)**

**Degree**

**Preferred Mailing Address**

**City/State/ZIP**

**Area Code**

**Daytime Phone**

**Email**

**Specialty**

☐ Check enclosed payable to: Department of Anesthesiology Loma Linda University Medical Center

**Charge (circle):** MasterCard  Visa  Discover  American Express

**Number**

**Name of cardholder**

**Authorized Signature**

**Expiration (Mo/Yr)**

**Security Code**

Mail to: Department of Anesthesiology
Loma Linda University Medical Center
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