



LOMA LINDA UNIVERSITY
HEALTH



David Geffen
School of Medicine

Acute Care and Perioperative Ultrasound Workshop

Incorporating Point of Care Ultrasound in all Aspects of Acute Care

Over 6
Hours of
Hands-on
Training !

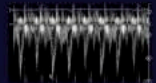
*Key Topics
Include*



Cardiac



Pulmonary



Hemodynamic



Airway



Abdominal



Regional

September 28th & 29th, 2019

**Hyatt Regency
Huntington Beach, CA**

www.pocuseducation.com

Phone (909) 558-4654



Course Description and Objectives

Overview:

The fourth annual acute care and perioperative 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 three hours of CME with review of online content for a total of **17.5 Credits**. The course will have the latest ultrasound technologies and simulators including: virtual reality training, pocket US devices, and a comprehensive display of ultrasound companies.

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 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*
- Practical review of physics and ultrasound knobology
- Access to online education/testing
- Optional Critical Care Topics and Remote Image Review *following the course*



Learn POCUS on the Beach!

Course held at **Hyatt Regency Huntington Beach Resort and Spa**, offering:

- **Oceanfront location with direct beach access**
- **World-class spa and oceanfront restaurants onsite**
- **Lagoon-style pool with slides and splash pads**
- **Kids camp with daily beach and child activities**



Target Audience

The course directors of this workshop are adult and pediatric anesthesiologists and the course faculty includes: 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.

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Faculty

Departmental Chairs

Robert D. Martin, MD
Chairman
Department of Anesthesiology
Professor of the Floyd S. Brauer
Chair in Anesthesiology, Loma Linda
University Medical Center
Loma Linda, California

Barbara Van de Wiele, MD
Clinical Professor and Interim Chair
Department of Anesthesiology &
Perioperative Medicine
David Geffen School of Medicine at
UCLA

Program Co-Directors

Davinder Ramsingh, MD
Associate Professor
Director of Clinical Research and
Perioperative Ultrasound
Department of Anesthesiology
Loma Linda University Medical Center
Loma Linda, California

Jacques Prince Neelankavil, MD
Associate Clinical Professor
Director, Perioperative Echocardiography
Program Director, Cardiothoracic
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Jane Ahn, MD
Associate Professor
Department of Anesthesiology and
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Baher Bactor, MD
Assistant Professor
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Maxime Cannesson, M.D., Ph.D.
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Vice Chair for Perioperative Medicine
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Vi Dinh, MD
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Department of Emergency Medicine
Loma Linda University Medical Center

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Chief of Quality and Patient Safety
Director, Critical Care Center
Department of Anesthesiology
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J Christian Fox, MD
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Department of Emergency Medicine
University of California, Irvine

Jason Gatling, MD
Associate Professor, Program Director,
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Kimberly Howard-Quijano, MD
Director of Translational Research
Academic Chief of Cardiac Anesthesiology
Associate Professor
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University of Pittsburgh

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

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Assistant Director, Anesthesiology
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Southern California Permanente Medical
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University of California, Irvine

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Department of Anesthesiology
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Sumit Singh, MD
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Jared Staab, DO, MA
Assistant Professor
Division of Critical Care
Department of Anesthesiology
University of Kansas Medical Center

Gary Stier, MD
Professor, Anesthesiology, Internal
Medicine and Critical Care
Department of Anesthesiology
Loma Linda University School of Medicine

Coral Sun, MD
Associate Professor
Department of Anesthesiology
University of California, Irvine

Timothy Tran, MD
Assistant Professor
Cardiothoracic Critical Care, Liver
Transplant Anesthesiology
Department of Anesthesiology
University of Colorado

Josh Zimmerman, MD, FASE
Associate Professor
Director, Perioperative Echocardiography
Director, Preoperative Clinic
University of Utah Department of
Anesthesiology

Program Agenda

Saturday September 28, 2019

7:00 - 8:00	Registration & Continental Breakfast
8:00 - 8:30	Introduction and Keynote Address
8:30 - 9:00	Ultrasound Physics, Knobology, and Pitfalls

Airway / Pulmonary / Hemodynamic Ultrasound

9:00 - 9:30	Pulmonary Ultrasound (Lecture)
9:30 - 9:45	Airway Ultrasound (Lecture)
9:45 - 10:15	Static and Dynamic Assessment of Volume Status (Lecture)
10:15 - 10:30	Break
10:30 - 12:30	Hands-on Training (all stations have live models and pathology simulation)

Station 1 – Knobology
 Station 2 – Airway
 Station 3 – Pulmonary
 Station 4 – Static and Dynamic Assessment of Volume Status

12:30 - 1:30 **Lunch and Q/A**

Regional Anesthesia

1:30 - 2:00	Advances in Regional Anesthesia
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Abdominal / Vascular Ultrasound

2:00 - 2:30	FAST examination (Lecture)
2:30 - 2:45	Assessment of Gastric Volume (Lecture)
2:45 - 3:00	Vascular Access (Lecture)
3:00 - 3:15	Break
3:15 - 5:15	Hands-on Training (all stations have live models and pathology simulation)

Station 1 – FAST exam
 Station 2 – Gastric Volume Assessment / Vascular Access
 Station 3 – Regional Anesthesia Part 1
 Station 4 – Regional Anesthesia Part 2

5:15 **Adjourned**

Sunday, September 29, 2019

7:00 - 8:00	Continental Breakfast
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Cardiac Ultrasound

8:00 - 8:30	Cardiac Views (Lecture)
8:30 - 9:00	Assessment of Ventricular Function (Lecture)
9:00 - 9:30	Assessment of Valvular Function (Lecture)
9:30 - 10:00	Rescue Transesophageal Echocardiography
10:00 - 10:45	Putting it All Together: the FORESIGHT Perioperative POCUS Exam)

10:45 - 11:00 Break

11:00 - 1:00 **Hands-on Training (all stations have live models and pathology simulation)**

Station 1 – Cardiac Views
 Station 2 – Cardiac Valve Assessment
 Station 3 – Pathology Simulation/ Review
 Station 4 – Rescue Transesophageal Echocardiography

1:00 **Adjourned**

1:00 - 2:00 **Optional Training** : Faculty will remain for 1 hour to discuss the following:

1. Advanced Critical Care Topics (Neuro, DVT/PE Evaluation, Advanced Pulmonary, Advanced Cardiac)
2. Additional Topics 20 remote education image critiques following the course

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)

* Referral and group rate discounts available, please email
for more information – llupointofcareultrasound@llu.edu

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, 2019. No refunds will be issued after August 01, 2019.

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) 558-4654.

By Fax

Send completed enrollment form with credit card information and authorizing signature.
FAX (909) 558-0229.

Online

Use your PayPal, MasterCard, VISA, Discover Card, or American Express. Go to <http://www.pocuseducation.com> and click on Registration.

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 **17.5 CME 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) 558-4654

Fax: (909) 558-0229

llupointofcareultrasound@llu.edu

P.O. Box 933

Loma Linda, CA 92354

2019 Perioperative and Acute Care Ultrasound Workshop

Course Options	Amount
\$800 Physicians, CRNAs, Nurses and Allied Health Professionals	
\$500 UCLA and Loma Linda Fellows/Residents (*Must submit letter of verification)	

Please print clearly. Include your credit card number and authorized signature.

Name (First/Middle/Last)

Degree

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