



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!

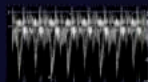
*Key Topics
Include*



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. The target audience includes all providers involved in: anesthesia, pediatrics, internal medicine, hospitalist medicine, surgery, and critical care.



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 learn 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
Cardiothoracic Anesthesiology
Director, Perioperative Echocardiography
Program Director, Cardiothoracic
Fellowship Department of Anesthesiology
& Perioperative Medicine David Geffen
School of Medicine at UCLA

Jane Ahn, MD
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Department of Anesthesiology and
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Michael Benggon, MD
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Maxime Cannesson, M.D., Ph.D.
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Vice Chair for Perioperative Medicine
Department of Anesthesiology &
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Vi Dinh, MD
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Director of Ultrasound in Medical
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Department of Emergency Medicine
Loma Linda University Medical Center

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

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,
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Reed Harvey, MD
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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
Director, Cardiac Anesthesiology
Residency Program Director, Cardiac
Anesthesiology Fellowship
Department of Anesthesiology
Loma Linda University Medical Center

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Director, Pediatric Cardiac Anesthesiology
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Assistant Director, Anesthesiology
Residency Program
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Assistant Professor
Director, Acute Pain Service
Department of Anesthesiology
Loma Linda University Medical Center

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

Nishant Shah, MD
Midwest Anesthesiology Partners
PRAA Division
Advocate Lutheran General Hospital
Park Ridge, Illinois

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

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

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

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	<i>Break</i>
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	<i>Break</i>
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	<i>Break</i>
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://www.hyatt.com/en-US/group-booking/HUNRH/G-LLPP>

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 Students/Fellows/Residents (*Must submit letter of verification)	

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

Name (First/Middle/Last) Degree

Preferred Mailing Address

City/State/ZIP Area Code Daytime Phone

Email Specialty

Check enclosed payable to: Loma Linda University Faculty Medical Group

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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