

27TH ANNUAL UC DAVIS ANESTHESIOLOGY UPDATE

PATIENT SAFETY AND QUALITY HEALTH CARE

NOVEMBER 11-13 2016



**Monterey Plaza Hotel
Monterey, CA**

Sponsored by:
Office of Continuing Medical Education and
Department of Anesthesiology and Pain Medicine

Program

Friday, November 11

7:00 am	Registration Continental Breakfast, Visit Exhibits
7:45 am - 8:00am	Welcome and Course Objectives Moderators: Stephen M. Macres, MD Amrik Singh, MD
8:00 am - 8:45am	Perioperative Non-Cardiac Point of Care Ultrasound Davinder Ramsingh, MD
8:45 am - 9:30 am	Is My Ultrasound Really Making Me a Better Safer Regional Anesthesiologist? Robin J. Aldwinckle, MBBS, FRCA
9:30 am - 10:00 am	Refreshment Break, Visit Exhibits
10:00 am - 10:45 am	Anesthesia Potpourri (Delayed Emergence from Anesthesia, Opioid Induced Respiratory Depression, Pharmacogenetics and Opioid Diversion) Stephen M. Macres, MD
10:45 am - 11:25 am	Improving Patient Safety Through Life Long Learning Brian L. Pitts, MD, MS
11:25 am - 12:05 pm	Teaching Old Dogs New Tricks: Moving Toward Incorporating Ultrasound Into a Credentialed Practice Kenneth Furukawa, MD
12:05 pm - 12:15 pm	Panel with Q & A Kenneth Furukawa, MD Stephen M. Macres, MD Brian L. Pitts, MD, MS
12:15 pm	Adjourn

WORKSHOP

Ultrasound Applications for the Anesthesiologist 1:15 pm - 5:30 pm

Additional fee, registration required, lunch included,
registration limited, four (4) *AMA PRA Category I Credits*™

The Friday afternoon workshop will be a comprehensive review of Ultrasound Guided Peripheral Nerve Blockade, Transthoracic Echocardiography and Miscellaneous Applications of Ultrasound including assessment of the airway, pneumothorax, gastric volume, increase intracranial pressure.

Drs. Robin J. Aldwinckle, Kenneth Furukawa, Stephen M. Macres, Brian L. Pitts, Timothy Tautz, Orode Badakhsh, David Ramsingh, Stanley Sady

Saturday, November 12

Problem Based Learning Discussions

6:30 am - 7:45 am

Additional fee, registration required, breakfast included, registration limited, 1.25 AMA PRA Category I Credits™

- 1. Perioperative Management of the Opioid Dependent Patient**
Stephen M. Macres, MD
- 2. Are Truncal Blocks the New Gold Standard for Abdominal Surgery?**
Robin J. Aldwinckle, MBBS, FRCA
- 3. Urgent Surgery in an Octogenarian. Is there a Geriatric Anesthesiologist in the House?**
Amrik Singh, MD
- 4. Anesthesia Machine and Monitoring Equipment Failure: The Current UC Davis Experience**
Kenneth Furukawa, MD
- 5. New 2015 Updates for ACLS**
Brian L. Pitts, MD, MS

7:00 am	Registration Continental Breakfast, Visit Exhibits
7:45 am - 8:00 am	Welcome and Course Objectives Moderator: Robin J. Aldwinckle, MBBS, FRCA
8:00 am - 8:25 am	The Surgical M&M Conference -- an Anachronism or the Key to Improving Outcomes? Gregory J. Jurkovich, MD, FACS
8:25 am - 8:50 am	Lessons Learned From 2500 Trauma Deaths Gregory J. Jurkovich, MD, FACS
8:50 am - 9:30 am	Patient Safety: Moving Beyond Mere Checklists Jeffrey Uppington, MBBS, FRCA
9:30 am - 9:45 am	Panel Discussion with Q & A Gregory J. Jurkovich, MD, FACS Jeffrey Uppington, MBBS, FRCA
9:45 am - 10:15 am	Refreshment Break, Visit Exhibits
10:15 am - 10:50 am	Does it Really Matter What We Do With That Pacer Thing During Surgery? Richard L. Applegate II, MD
10:50 am - 11:25 am	Cardiac Ultrasound: it's Time to FoCUS Orode Badakhsh, MD
11:25 am - 12:00 pm	Take a Deep Breath – Sugammadex Neal Fleming, MD, PhD
12:00 pm - 12:15 pm	Panel Discussion with Q & A Richard L. Applegate II, MD Orode Badakhsh, MD Neal Fleming, MD, PhD
12:15 pm	Adjourn

MEET THE FACULTY NETWORKING RECEPTION

6:00 pm - 8:00 pm

Included in tuition, pre-registration required
(guests invited for \$40)

Saturday, November 12

Difficult Airway Workshop

1:15 pm - 5:30 pm

Additional fee, registration required, lunch included, registration limited, four (4) AMA PRA Category I Credits™

Anesthesia providers, by virtue of their training and field of medical practice, are considered the airway experts. Since most patients have normal and manageable airway, and since the incidence of airway related morbidity and mortality is extremely low, almost all of us are glad to accept that tag. But do all of us possess the same expertise and comfort level when presented with a known or unanticipated difficult airway? Do all of us consistently meet high standard of care when presented with such a situation? The answer is no, according to the 4th national audit project (NAP4), a UK based study of major airway complications across all hospitals belonging to the national health service, covering nearly three million general anesthetics. According to the data, airway management was judged to be 'good' in only 1/5th of cases. One third of cases had 'poor' airway management while the remainder had 'good and poor'. Other findings from the NAP4 analysis included the following;

- Poor planning and 'failure to plan for failure' contributed to poor outcomes
- Awake fiberoptic intubation was not always used when indicated
- Difficult intubation was managed by multiple repeat attempts at intubation, often leading to a can't intubate can't ventilate situation
- 60% emergency needle cricothyroidotomies failed
- Almost 1/3 of airway events during anesthesia occurred during emergence and recovery

This difficult airway workshop will address some of these issues. The emphasis will be on reviewing the pertinent literature and providing hands on experience with different techniques. There will be five skill stations, catering to small groups:

1. Videolaryngoscopy station: The use of video laryngoscopy as primary or rescue airway device is becoming more and more popular. This station will focus on commonly used devices and their common applications.
2. Airway topicalization for awake intubation: The instructor will demonstrate an effective and reliable technique to topicalize the airway for awake nasal or oral intubation.
3. Flexible endoscopy: The participants will learn how to effectively operate the flexible scope for bronchoscopy and airway instrumentation.
4. Double lumen tube/bronchial blockers/airway exchange catheters: The participants will learn proper placement of double lumen tubes and bronchial blockers for lung isolation as well as use of airway exchange catheters for intubation and extubation strategies.

Surgical Airway: The participants will learn and practice techniques to obtain a surgical airway (needle and open cricothyroidotomy) on pig trachea.

Drs. Orode Badakhsh, Neal Fleming, Stanley Sady, Nina Schloemerkenper, Amrik Singh

Sunday, November 13

Problem Based Learning Discussions

6:30 am - 7:45 am

Additional fee, registration required, breakfast included, registration limited, 1.25 AMA PRA Category I Credits™

6. **Retained Placenta in L&D: Where do we go From Here?**
Nina Schloemerkenper, MBBS, FRCA
7. **Do we Really Need all These Intra-Operative Lines?**
Stanley Sady, PhD, MD
8. **It Was Only Booked as a Lap Choly**
Neal Fleming, MD, PhD
9. **Let's Keep it Safe! Sedation Outside The Operating Room- Pediatric Off Site Experiences.**
Sungeun Lee, MD
10. **Goodness it's Early ... Lets Talk About OB Anesthesia?**
Timothy Tautz, MD

7:00 am

Registration

Continental Breakfast, Visit Exhibits

7:45 am - 8:00 am

Welcome and Course Objectives

Moderator: Jeffrey Uppington, MBBS, FRCA

8:00 am - 8:40 am

Maternal Mortality in the 21st Century: Access, Algorithms, And Accountability

Timothy Tautz, MD

8:40 am - 9:00 am

Maintaining Spinal Cord Perfusion Pressure: The Pressure Is On!

Nina Schloemerkenper, MBBS, FRCA

9:00 am - 9:20 am

Prone CPR? Are You Changing Your Position?

Nina Schloemerkenper, MBBS, FRCA

9:20 am - 10:00 am

Children with Obstructive Sleep Apnea- They Really Can't Get Codeine?

Sungeun Lee, MD

10:00 am

Adjourn

Brochure Art Credit: Brochure images courtesy of Accreditation Council for Continuing Medical Education, UC Davis Department of Anesthesiology & Pain Medicine, UC Davis Public Affairs, Monterey Plaza Hotel, and Monterey CVB.

Photo And Video Release: By participating in this course, you grant the right to use your photograph and video for such purposes to UC Davis Department of Anesthesiology & Pain Medicine.



Course Chair

Stephen M. Macres, MD
Professor
Director, Acute Pain Service

Course Co-Chairs

Richard L. Applegate II, MD
Professor and Chair

Robin J. Aldwinckle, MBBS, FRCA
Associate Professor
Director, Same Day Surgery Center

Amrik Singh, MD
Professor
Associate Chief, Division of Perioperative Medicine

Jeffrey Uppington, MBBS, FRCA
Professor
Vice Chair of Clinical Affairs

Guest Faculty

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

UC Davis Health System Department of Surgery Faculty

Gregory J. ("Jerry") Jurkovich, MD, FACS
Professor and Vice-Chairman

UC Davis Department of Anesthesiology & Pain Medicine

Orode Badakhsh, MD
Assistant Professor

Neal Fleming, MD, PhD
Professor
Director, Cardiovascular and Thoracic Anesthesiology

Kenneth T. Furukawa, MD
Professor
Co-Director, Pediatric Pain Service

Sungeun Lee, MD
Assistant Professor
Director, Pediatric Anesthesia Fellowship Program
Co-Director, Pediatric Pain Service

Brian L. Pitts, MD, MS
Associate Professor

Stanley Sady, PhD, MD
Professor

Nina Schloemerkemper, MBBS, FRCA
Assistant Professor

Timothy Tautz, MD
Professor
Director, Malignant Hyperthermia Lab

Conference Coordinator

Beng Salud, BSBA
CME Specialist

Educational Objectives

At the conclusion of the program the attendees should be able to:

- 1) Describe the use of ultrasound for the point of care evaluation of ET tube placement, pneumothorax, gastric volume and intracranial pressure.
- 2) Discuss the advantages and disadvantages of ultrasound guided regional anesthesia.
- 3) Discuss the disadvantages of opioids in the management of acute perioperative pain.
- 4) List the different treatment modalities available for the management of the discomfort associated with post dural puncture headache.
- 5) Formulate a plan for the perioperative management of the opioid dependent patient.
- 6) Describe the advantages of truncal nerve blockade over epidural analgesia.
- 7) Prescribe the optimal anesthetic for the elderly patient.
- 8) Demonstrate a complete understanding of the new ACLS guidelines.
- 9) Discuss the different kinds of equipment failure in the OR.
- 10) Identify the rationale behind the Surgical M&M Conference in improving patient safety and decreasing complications.
- 11) Identify the leading causes of preventable deaths in a mature trauma center.
- 12) Discuss the advantages and disadvantages of "checklists" and how it can help patient safety in the operating room.
- 13) Describe the differences between and the indications for implantable cardiac devices.
- 14) Discuss the pharmacology of Sugammadex™.
- 15) Discuss the indications and contraindications for arterial-line, central venous catheter and pulmonary artery catheter placement.
- 16) Review the options for unexpected management of hemodynamic instability and unplanned need for selective lung ventilation.
- 17) Discuss safe sedation techniques for the pediatric patient outside the operating room.
- 18) Discuss the factors which influence spinal cord perfusion pressure.



Target Audience

This activity is designed for anesthesiologists, pain medicine physicians, nurses, nurse anesthetists, residents, and fellows involved with the perioperative care of surgical patients.

Educational Need

We often think of hospitals as a bastion of safety where the sick are healed and disease is eradicated. Unfortunately, mounting evidence suggests that hundreds of thousands of patients are being harmed each year while receiving treatment in hospitals. Examples of preventable harm include: adverse drug reactions, surgical site infections, pressure sores, blood clots, sepsis and inpatient falls. Patient safety is therefore of paramount importance. This is a global public health phenomenon, which does not discriminate based on a country's level of development. In the United States the Centers for Medicare and Medicaid Services (CMS), a branch of the Department of Health and Human Services, is encouraging improvement in patient safety by linking payments to hospitals performance. Constructive improvements will require a change in hospital philosophy that will create a culture of learning and open communication between all healthcare professionals. Our goal this year is to discuss some ideas that may be useful to address situations where there is clearly a "gap" in the way a system currently operates and the way it could operate more effectively and safely through the dissemination of knowledge. Topics that will be covered this year include: point of care ultrasound, the advantages of using ultrasound when performing regional anesthesia, adverse events associated with opioid analgesics, geriatric anesthesia, anesthesia machines and equipment failure, topics in patient safety and team management, applications of cardiac ultrasound, as well as topics in pediatric anesthesia, neuro-anesthesia, obstetrical anesthesia and new drug updates.

This year's conference will provide practitioners with evidence based methods and strategies to assist them in providing better treatment options for their patients. Faculty presenting and interacting with participants at this activity have been selected on the basis of their comprehensive clinical experience and academic excellence.



The University of California, Davis, Health System is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.



Physician Credit

- The University of California, Davis, Health System designates this live activity for a maximum of 20.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
- Physician Assistant: The National Commission on Certification of Physician Assistants (NCCPA) states that *AMA PRA Category 1 Credits™* are acceptable for continuing medical education requirements for recertification.

Nurse Anesthetists:

This program is approved by the American Association of Nurse Anesthetists for 20.75 CE Credits: Code Number 1033032, Expiration Date 11/13/16. CRNA's must pay for and attend all optional sessions to receive 20.75 CE credits.

General Session

Up to 10.25 *AMA PRA Category 1 Credits™*

Optional Breakfast Roundtable Sessions

Up to 2.5 *AMA PRA Category 1 Credits™*
(1.25 credit for each session):

Optional Afternoon Workshops

Up to 4 *AMA PRA Category 1 Credits™*

Pain Management: California Business and Professions Code (Section 2190.5) requires physicians and surgeons to complete 12 hours of mandatory continuing education on pain management and the appropriate care of the terminally ill. Physicians licensed prior to January 2002 were to have completed this requirement by December 31, 2006. Physicians licensed on or after January 1, 2002 must complete this requirement within 4 years of their initial license or by their second renewal date, whichever occurs first.



Lodging

Monterey Plaza Hotel
400 Cannery Row
Monterey, California 93940
Tel 831-646-1700 | 800-334-3999
Email reservations@montereyplazahotel.com
<http://www.montereyplazahotel.com>

\$221 Inland View **\$252 Partial Ocean View**
\$325 Ocean View **\$375 Ocean View Balcony**

A block of rooms is being held for conference participants at the special rates listed above. After October 12, 2016, reservations will be on a space and rate available basis. Reservations should be made directly with the hotel. Please be aware that a limited number of rooms in each category have been reserved and the hotel will likely sell out prior to the reservations deadline of October 12.

By staying at the host hotel, you help the University of California, Davis meet its contractual obligations with the Monterey Plaza Hotel and keep future registration fees reasonable. Please consider that when making your accommodation decisions. We encourage you to stay at the host hotel.

Layered clothing is recommended as the meeting room temperature may be uncomfortable for some, depending on personal preferences. If you have any special needs due to a disability as specified in the Americans with Disabilities Act, please call the Department of Anesthesiology & Pain Medicine at (916) 734-1574 so we may make the necessary accommodations for you.

Just 100 miles south of San Francisco, Monterey's breathtaking scenery, rich history, world-renowned attractions and outdoor adventures invite one to grab life by the moments! Monterey is a dramatic setting for endless choices of activities all within minutes of convenient, charming overnight accommodations. Monterey is named a Top North American Golf Destination and the 2013 Top Ten Wine Travel Destination in the World. The Monterey Bay National Marine Sanctuary is home to favorite marine life that can be observed in one of the most amazing natural environments found anywhere in the United States. www.SeeMonterey.com

Air Travel To Monterey - Peninsula Airport (MRY)
For the Monterey Peninsula and the California Central Coast, regular flights are available from San Francisco, Los Angeles, Phoenix, Denver, Las Vegas, Salt Lake City, LA/Ontario and San Diego. The five carriers that currently provide service to Monterey are affiliated with airlines around the world.

United Airlines Group Discount: To obtain Groups and Meetings discount prices go to <http://www.united.com> and enter Offer Code ZW7M657891

Ground Transportation: Hertz Car Rental: 1(800)654-2240 and request ID CV#04H70008 for discounted rates.

Registration

Please register early – space is limited.

Tuition: \$650

Confirmation of registration will be sent within two weeks after receipt of registration form. The fees will increase after September 5, 2016.

Tuition includes continental breakfasts, refreshment breaks, electronic syllabus, and an online certificate of attendance. Tuition may be paid by check, American Express, Discover, MasterCard or VISA. Cash is not accepted. UC Davis Health System and UC Davis School of Medicine faculty and staff are eligible for tuition discounts. See registration form for details. Conference materials cannot be guaranteed unless registration is received by October 28, 2016. The Department of Anesthesiology & Pain Medicine reserves the right to cancel this conference. In such a case, a full refund will be given.

Registration forms received without payment will not be processed until payment is received, and payment must follow within 10 days. Early discount rates are honored if payment is received by the date noted on the registration form. After that date, the late fee is applied.

On-site Fees: At door registrations will be charged at a higher rate. Please see registration form for details.

Cancellation and Refund Policy: A refund of tuition, less \$75 administrative fee, will be allowed if requested in writing by October 28, 2016. No refunds will be provided after this date.

Electronic Evaluation And Credit: The link to your electronic syllabus, evaluation and certificate of credit will be available for 30 days after the last day of the conference. Once you have completed the online evaluation your certificate will be available to print. However, after 30 days this link will expire and these items are no longer available online. You must contact the Office of CME to receive your certificate. A \$15 administrative fee will be applied.

Syllabus: The electronic syllabus will be available to pre-registered attendees online prior to the conference for downloading and printing.



COURSE REGISTRATION

27TH ANNUAL UC DAVIS ANESTHESIOLOGY UPDATE, NOVEMBER 11-13, 2016

Receipt/confirmation will be emailed within two weeks	Early Discount	After Sept 4	On Site	FEE DUE
All	\$650	\$725	\$800	

UC Davis Affiliate Fees (Please specify)

☐ Faculty ☐ Alumni ☐ Staff

Receipt/confirmation will be emailed within two weeks	Early Discount	After Sept 4	On Site	FEE DUE
All	\$520	\$595	\$670	

Optional Workshop Enrollment

Please register early, as workshops are limited and fill up fast. Each workshop includes lunch and additional credit.

Workshop options	FEE DUE
Ultrasound Applications for the Anesthesiologist Friday, 12:30-5:30 PM	\$300
The Difficult Airway Workshop Saturday, 12:30-5:30PM	\$300
Saturday Problem Based Learning - 6:30 am 1st choice: 1 2 3 4 5 2nd choice: 1 2 3 4 5	\$60
Sunday Problem Based Learning - 6:30 am 1st choice: 6 7 8 9 10 2nd choice: 6 7 8 9 10	\$60

Meet The Faculty Networking Reception

(included in tuition, pre-registration required, guests invited)

	FEE DUE
☐ I will attend the Friday evening Meet the Faculty Reception	N/A
☐ I will not attend the Friday evening Meet the Faculty Reception	
Guests I will bring _____ adults and children at \$40 each Name(s) _____	

Guest/Spouse Food Package

(Name badges must be worn. Meal tickets may be purchased for guests to join you for continental breakfast for three days).

	FEE DUE
_____ Adults Name(s) _____	\$125
_____ Children 6 -12 (under 6 N/C) Name(s) _____	\$60
TOTAL FEES	

First Name _____ MI _____ Last Name _____

☐ MD ☐ DO ☐ PA ☐ NP ☐ RN

☐ CRNA (AANA License #) _____

☐ Other _____

Institution/Employer (as you would like it to appear on your badge)

Email for link to electronic syllabus

Address _____ City _____ State _____ Zip Code _____
(where you would like your receipt emailed)

() ()
Day Phone _____ Fax _____

Please indicate primary medical specialty:
Physician information required for CME credit and name badge.

☐ AN ☐ PAIN ☐ APM ☐ PMD ☐ PPN

☐ Other (specify) _____

Social Security Number _____
(last 4 digits required for transcript)

Please copy the mail code from the address side of the brochure _____

Have you ever attended this conference? ☐ YES ☐ NO

☐ Please check here if you need disability accommodations at the meeting, please let us know by October 17TH and our representative will contact you. Please note special dietary/food allergy requirements

Methods of payment: Registration forms received without check, credit card number or purchase order number will not be processed until payment is received. Registration is non-transferable.

- ☐ Check in U.S. Dollars only \$ _____
- ☐ Credit Card Payment (see below)
- ☐ Telephone: 916-734-1574
- ☐ Fax: 916-734-2975

Make check payable to: UC Regents

Send to:

Beng Salud, BSBA, CME Specialist
Department of Anesthesiology & Pain Medicine
4150 V Street, Suite 1200 PSSB
Sacramento, CA 95817

Payment by credit card: For your protection, do not fax or email your registration form with credit card information. Please mail your registration or contact Beng Salud at (916) 734-1574 for assistance if you would like to use a credit card.

Bill To: ☐ Visa ☐ MasterCard ☐ American Express Amount to be charged: \$ _____

Credit card number: _____ Expiration date _____ CVV code _____

Card member's name: _____ Signature _____
(Please print)

Register online: <http://conferences.ucdavis.edu/27thanesthesiologyupdate>

Department of Anesthesiology & Pain Medicine
4150 V Street, Suite 1200 PSSB
Sacramento, CA 95817

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**If you cannot attend .. Please
give brochure to a colleague!**

DATED MATERIAL

MONTEREY PLAZA HOTEL

400 Cannery Row, Monterey, California

November 11-13, 2016

Friday - Sunday

27TH ANNUAL UC DAVIS ANESTHESIOLOGY UPDATE

PATIENT SAFETY AND QUALITY HEALTH CARE

HIGHLIGHTS

- Topics on Patient Safety
- Ultrasound Applications for the Anesthesiologist
- Difficult Airway Workshop
- Problem Based Learning Discussion at Breakfast Round Tables
- Wine and Cheese Reception Friday Evening at the Monterey Plaza Hotel

This program is self-supporting and receives no state funding