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
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 1
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 1 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)
Program

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 1 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 Schloemerkemper, 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 1 Credits™

6. Retained Placenta in L&D: Where do we go From Here?
   Nina Schloemerkemper, 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 Schloemerkemper, MBBS, FRCA

9:00 am - 9:20 am Prone CPR? Are You Changing Your
Position?
Nina Schloemerkemper, 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.
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.
Overview

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.

Accreditation

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.

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. CRNAs 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.
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**

<table>
<thead>
<tr>
<th>FEE DUE</th>
<th>Early Discount</th>
<th>After Sept 4</th>
<th>On Site</th>
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<tr>
<td>All</td>
<td>$650</td>
<td>$725</td>
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### UC Davis Affiliate Fees (Please specify)

- [ ] Faculty
- [ ] Alumni
- [ ] Staff

**Receipt/confirmation will be emailed within two weeks**

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<td>All</td>
<td>$520</td>
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### 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)

- [ ] I will attend the Friday evening Meet the Faculty Reception
- [ ] 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).

- Adults
  - $125
  - Name(s) __________________________
- Children 6-12 (under 6 N/C)
  - $60
  - Name(s) __________________________

**TOTAL FEES**

### 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: ____________

(Please print)  

Signature: ____________

**Register online:** [http://conferences.ucdavis.edu/27thanesthesiologyupdate](http://conferences.ucdavis.edu/27thanesthesiologyupdate)
MONTEREY PLAZA HOTEL
400 Cannery Row, Monterey, California

November 11-13, 2016
Friday - Sunday

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