28TH ANNUAL UC DAVIS ANESTHESIOLOGY UPDATE

October 27-29, 2017
Monterey Plaza Hotel, Monterey, CA

Sponsored by:
Office of Continuing Medical Education and
Department of Anesthesiology and Pain Medicine
Friday, October 27

7:00 am
Registration
Continental Breakfast, Visit Exhibits

7:45 am - 8:00 am
Welcome and Course Objectives
Moderator: Stephen M Macres, MD

8:00 am - 8:50 am
Acute Pain Management in the Era of the Opioid Crisis
Eugene R Viscusi, MD

8:50 am - 9:40 am
Anesthetic Management of the Cardiac Patient Undergoing Noncardiac Surgery
Orode Badakhsh, MD

9:40 am - 10:10 am
Refreshment Break, Visit Exhibits

10:10 am - 12:15 pm
Anesthesia Grab Bag: Questions and Answers to Challenging Situations faced by the Perioperative Anesthesiologist: Anesthesia and Cancer Surgery, Perioperative Application of TTE, nerve blocks and neurologic injury, TKA (is that really an ambulatory procedure?), IV Lidocaine for acute post-op pain, quadratum lumborum block for THA, erector spinae block, I-Pack Block, Ketamine rising from the ashes, and much, much more!
Robin J Aldwinckle, BMBS, FRCA, Kenneth T Furukawa, MD, Stephen M Macres, MD, Jon Zhou, MD

12:15 pm
Adjourn

Saturday, October 28

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. *No Ultrasound, No Stimulator, No Worry
   Kenneth T Furukawa, MD

3. *Setting up a Value Added Acute Perioperative Pain Service: Nuts and Bolts
   Jon Zhou, MD

4. Management of the Patient with a Left Ventricular Assistive Device (LVAD) Undergoing Noncardiac Surgery
   Orode Badakhsh, MD

7:00 am
Registration
Continental Breakfast, Visit Exhibits

7:45 am - 8:00 am
Welcome and Course Objectives
Moderator: Robin J Aldwinckle, BMBS, FRCA

8:00 am - 8:50 am
Design and Implementation of a Perioperative Surgical Home (PSH) model within a Veterans Affairs hospital
Tessa Walters, MD

8:50 am - 9:40 am
Climate Change: It's all Anesthesia's fault
Charandip Sandhu, MD and Jeffrey Uppington, MBBS

9:40 am - 10:30 am
Avoiding Blood Transfusions in Spines and Other Snippets
Nina Schloemerkemper, MBBS, FRCA

10:30 am - 11:00 am
Refreshment Break, Visit Exhibits

11:00 am - 11:40 am
Monitoring Cardiac Function - Yesterday, Today, Tomorrow
Neal W Fleming, MD, PhD

11:40 am - 12:05 pm
Perioperative Management of Coronary Stents
Aubrey Yao, MD

12:05 pm - 12:15 pm
Case Presentation
Neal W Fleming, MD, PhD and Aubrey Yao, MD

Adjourn

6:00 pm - 8:00 pm
MEET THE FACULTY NETWORKING RECEPTION
Included in tuition, pre-registration required
(guests invited for $40)

*Ultrasound Applications for the Anesthesiologist Workshop
1:15 pm - 5:30 pm
The Friday afternoon workshop will be a comprehensive review of Ultrasound Guided Peripheral Nerve Blockade, Transthoracic Echocardiography and Miscellaneous Point of Care Applications of Ultrasound. Additional fee, registration required, lunch included, registration limited, four (4) AMA PRA Category I Credits™

Patricia M Applegate MD, FACC,
Robin J Aldwinckle, BMBS, FRCA,
Orode Badakhsh, MD, Kenneth Furukawa, MD,
Stephen M Macres, MD, Jon Zhou, MD, Aubrey Yao, MD
Eugene R Viscusi, MD
Sunday, October 29

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™

   James Littlejohn, MD, PhD

6. This Delayed Kid is Stronger Than My Entire Team! How do I Get Him in the OR?
   Sungeun Lee, MD

7. Postpartum Hemorrhage and Massive Transfusion
   Nina Schloemerkemper, MBBS, FRCA

8. My Patient has a Cardiac Implantable Electronic Device (CIED) - Do I put a Magnet on It?
   Neal W Fleming, MD, PhD

9. Pediatric Pre-Operative Dilemmas
   Cathy Lammers, 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 Is Anesthesia Exposure Causing Brain Damage? What do we Actually Know?
Cathy Lammers, MD

8:40 am – 9:10 am Interactive Discussion With Audience: FDA Medwatch on General Anesthetics and Sedation Drugs
Cathy Lammers, MD, Sungeun Lee, MD and Jon Zhou, MD

9:10 am – 10:00 am Pintos, Pins, and Pistachios. How to Deal with Things That Don’t Belong in a Child’s Airway
Sungeun Lee, MD

10:00 am – 11:00 am TEG and ROTEM: Viscoelastic Testing and Monitoring During Massive Transfusion Events in the OR
James Littlejohn, MD, PhD

11:00 am Adjourn

* Lectures marked with asterisk (*) qualify for recognized content for California Assembly Bill 487 which requires physicians and surgeons to obtain 12 hours of continuing education in the subject of pain management and palliative care.

FACULTY

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, BMBS, 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
Tessa Walters, MD
Staff Anesthesiologist and Director, Perioperative Surgical Home
VA Palo Alto Health Care System
Clinical Assistant Professor of Anesthesiology (Affiliated), Perioperative and Pain Medicine
Stanford University School of Medicine

Eugene R Viscusi, MD
Professor of Anesthesiology
Director, Acute Pain Management
Department of Anesthesiology
Thomas Jefferson University

UC Davis Health Department of Cardiology Faculty
Patricia M Applegate, MD, FACC
Associate Professor
University of California Davis
Needs Assessment
This year’s conference continues our theme of “best practice” enhanced care clinical pathways and optimization of patient safety. Improving communication between various healthcare disciplines and developing clinical pathways leads to better coordination of care benefiting both the patient and the institution. 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 include: acute pain management and opioid abuse, anesthetic management of the patient with cardiac disease, anesthesia techniques and cancer surgery, neurological risk of regional anesthesia, unique uses for ketamine, application of point of care ultrasound (POCUS) for peripheral nerve blockade and cardiac evaluation, anesthesia techniques and outpatient arthroplasty, implementation of a Perioperative Surgical Home (PSH), anesthetic considerations for major spine surgery, point of care viscoelastic testing (TEG and ROTEM) and topics in pediatric and obstetric anesthesia.

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.

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.

UC Davis Department of Anesthesiology & Pain Medicine
Orode Badakhsh, MD
Assistant Professor

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

Kenneth T Furukawa, MD
Professor

Cathy Lammers, MD
Professor

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

James Littlejohn, MD, PhD
Assistant Professor

Charandip Sandhu, MD
Associate Professor

Nina Schloemerkemper, MBBS, FRCA
Assistant Professor

Cinthia Tirado, MD
Associate Professor

Aubrey Yao, MD
Associate Professor

Jon Zhou, MD
Assistant Professor

Conference Coordinator
Beng Salud, BSBA
Education Manager
Department of Anesthesiology & Pain Medicine
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
- **Physician Credit:** The University of California, Davis, Health System designates this live activity for a maximum of 21.5 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
- **Nurse:** For the purpose of recertification, the American Nurses Credentialing Center accepts *AMA PRA Category 1 Credits™* issued by organizations accredited by the ACCME. For the purpose of re-licensure, the California Board of Registered Nursing accepts *AMA PRA Category 1 Credits™* (report ___ hours of credit and fill in “CME Category 1” for the provider number).
- **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 Anesthetist:** This program has been prior approved by the American Association of Nurse Anesthetists for 20.50 Class A CE credits; Code Number 1034894; Expiration Date 10/29/2017. AANA designates this program as meeting the criteria for up to 3.75 CE Credits in pharmacology/therapeutics.

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 is $650**

Confirmation of registration will be sent within two weeks after receipt of registration form. The fees will increase after September 5, 2017.

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 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 13, 2017. 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 $100 administrative fee, will be allowed if requested in writing by October 23, 2017. 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.
28TH ANNUAL UC DAVIS ANESTHESIOLOGY UPDATE, OCTOBER 27-29, 2017

COURSE REGISTRATION

Receipt/confirmation will be emailed within two weeks

<table>
<thead>
<tr>
<th>Early Discount</th>
<th>After Sept 4</th>
<th>On Site</th>
<th>FEE DUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>All</td>
<td>$650</td>
<td>$725</td>
<td>$800</td>
</tr>
</tbody>
</table>

**UC Davis Affiliate Fees (Please specify)**
- Faculty
- Alumni
- Staff

Receipt/confirmation will be emailed within two weeks

<table>
<thead>
<tr>
<th>Early Discount</th>
<th>After Sept 4</th>
<th>On Site</th>
<th>FEE DUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>All</td>
<td>$520</td>
<td>$595</td>
<td>$670</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Workshop options</th>
<th>FEE DUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ultrasound Applications for the Anesthesiologist</td>
<td>$300</td>
</tr>
<tr>
<td>Brains On! Workshop</td>
<td>$300</td>
</tr>
<tr>
<td>Saturday Problem Based Learning - 6:30 am</td>
<td></td>
</tr>
<tr>
<td>1st choice: 1 2 3 4</td>
<td></td>
</tr>
<tr>
<td>$60</td>
<td></td>
</tr>
<tr>
<td>Sunday Problem Based Learning - 6:30 am</td>
<td></td>
</tr>
<tr>
<td>1st choice: 5 6 7 8 9</td>
<td></td>
</tr>
<tr>
<td>$60</td>
<td></td>
</tr>
</tbody>
</table>

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).

<table>
<thead>
<tr>
<th>Adults</th>
<th>$125</th>
</tr>
</thead>
</table>

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, Education Manager
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.

<table>
<thead>
<tr>
<th>Credit card number:</th>
<th>Expiration date</th>
<th>CVV code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amount to be charged:</td>
<td>$ __________</td>
<td></td>
</tr>
</tbody>
</table>

Card member's name: __________________________
Signature: __________________________

**Email for link to electronic syllabus**

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

I will attend the Friday evening Meet the Faculty Reception

I will not attend the Friday evening Meet the Faculty Reception

Guest/Spouse Food Package

Social Security Number
(last 4 digits required for transcript)

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

AN  PAIN  APM  PMD  PPN

Other (specify) __________________________

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 17 and our representative will contact you.

Please note special dietary/food allergy requirements __________________________

Register online: http://conferences.ucdavis.edu/28thanesthesiologyupdate
MONTEREY PLAZA HOTEL
400 Cannery Row, Monterey, California

October 27-29, 2017
Friday - Sunday

HIGHLIGHTS
• Difficult Perioperative Dilemmas faced by the Perioperative Anesthesiologist
• Design and implementation of a Perioperative Surgical Home (PSH)
• Point of Care ultrasound
• Ultrasound Applications for the Anesthesiologist
• Brains On! Workshop
• Pediatric anesthesia, neuro-anesthesia, cardiac patient management and monitoring updates
• 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