



California Society of
ANESTHESIOLOGISTS
Physicians for Vital Times

2016 WINTER ANESTHESIA CONFERENCE

JANUARY 25-29, 2016
HYATT REGENCY RESORT & SPA, MAUI, HAWAII

Learn from the most respected
physician anesthesiologists about anesthesia
and perioperative care

CSAHQ.ORG/CME

WELCOME TO THE 2016 WINTER ANESTHESIA CONFERENCE

MISSION STATEMENT OF THE CSA EDUCATIONAL PROGRAMS DIVISION

The CSA Educational Programs Division is to provide high quality opportunities, enabling physicians and other allied health care professionals to maintain, develop, and increase knowledge, skills, performance, and relationships necessary for continuing to improve patient safety and medical care. Providing continuing medical education (CME) is one of the major ways in which the CSA is committed to promoting the highest standards of the profession of anesthesiology. "Continuing medical education for the needs of an evolving specialty" is the mission statement that guides the Winter Conference Program Committee.

TARGET AUDIENCE

This program is designed to enhance and maintain the knowledge of practicing physician anesthesiologists, anesthesiologist assistants, nurse anesthetists, physician assistants, anesthesiology residents and students, and other health care professionals in the practice of anesthesiology.

TYPES OF ACTIVITIES

Educational activities feature multiple teaching methods, including lectures, case presentations/studies, and question and answer sessions as well as optional hands on workshops.

STATEMENT OF EDUCATIONAL NEED

Anesthesiology is a dynamic specialty with significant changes expected on a number of fronts in the years to come, including new clinical technologies and practices, regulatory changes, business process changes, and overall changes in the health care environment. In addition to covering the latest clinical information, this program seeks to prepare participants for emerging and anticipated changes in the practice of anesthesiology.

The annual CSA 2016 Winter Anesthesia Conference is a comprehensive program designed to enhance the continuing medical education experience of physician anesthesiologists, fellows, residents and other health care providers. Under the leadership of Richard Applegate II, MD, CSA Program Chair, an in-depth anesthesia-based program has been developed.

Topics provide updates on the latest clinical information in anesthesiology and its subspecialties, including, but not limited to, pain medicine, regional anesthesia, perioperative care, obstetric anesthesia, pediatric anesthesia and critical care.

COMMERCIAL SUPPORT ACKNOWLEDGEMENT

This CME activity may be supported by educational grants. A complete list of supporters will be available online in the course syllabus.

RESOLUTION OF CONFLICTS OF INTERESTS

In accordance with the ACCME Standards for Commercial Support, the CSA adheres to strict guidelines and processes to identify and resolve conflicts of interest for all individuals in a position to control content of this CME activity.



ACCREDITATION AND CREDIT DESIGNATION

The California Society of Anesthesiologists is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

CREDIT DESIGNATION

The California Society of Anesthesiologists designates this educational activity for a maximum of 29 *AMA PRA Category 1 Credits™*. Physicians should only claim credits commensurate with the extent of their participation in the activity. Certificates for CME credits will be issued at the conclusion of the meeting, based upon attendance records.

MAINTENANCE OF CERTIFICATION IN ANESTHESIOLOGY

The California Society of Anesthesiologists is pleased to announce that the CSA 2016 Winter Anesthesia Conference has been approved by the American Board of Anesthesiology to fulfill 16 hours of the Patient Safety requirement for Part II of the ABA's Maintenance of Certification in Anesthesiology Program® (MOCA®). The MOCA logo will appear alongside lecture titles, where applicable, in the schedule.



FACULTY DISCLOSURES

The California Society of Anesthesiologists adheres to the ACCME Standards for Commercial Support regarding industry support of continuing medical education. All faculty participating in continuing medical education activities sponsored by the California Society of Anesthesiologists are required to disclose any relevant financial interest or other relationship with the manufacturer(s) of any commercial product(s) discussed in a continuing medical education presentation(s).

RICHARD APPEGATE II, MD

Professor and Vice Chair, Director of Anesthesiology Research, Department of Anesthesiology, Loma Linda University School of Medicine

Dr. Richard Applegate II has disclosed that his department has received funding from Masimo for studies in which he is the principal investigator.

PATRICIA M. APPEGATE, MD, FACC

Associate Professor Cardiology, Loma Linda University School of Medicine, Director of Echocardiography, Loma Linda Veterans Administration Hospital

Dr. Patricia Applegate has no relevant financial relationship with any commercial interest.

NANCY GLASS, MD, MBA, FAAP

Director, Chronic and Palliative Pain Service, Texas Children's Hospital Professor, Pediatrics and Anesthesiology, Baylor College of Medicine

Dr. Glass has no relevant financial relationship with any commercial interest.

EVAN D. KHARASCH, MD, PHD

Professor of Anesthesiology, Director-Division of Clinical & Translational Research, Washington University in St. Louis

Dr. Kharasch has disclosed he has received honoraria and travel expenses paid as a speaker with The Medicines Company and AstraZeneca, and has received consulting fees from TEN Healthcare.

EDWARD R. MARIANO, MD, MAS

Chief, Anesthesiology and Perioperative Care Service; and, Assoc. Chief of Staff, Inpatient Surgical Services, VA Palo Alto Health Care System; Associate Professor, Dept. of Anesthesiology, Perioperative and Pain Medicine, Stanford University School of Medicine

Dr. Mariano has disclosed Halyard Health and Braun provided unrestricted educational funding to his institution.

DAVID WLODY, MD

Professor of Clinical Anesthesiology Vice Chair for Education and Residency Program Director Department of Anesthesiology State University of New York-Downstate Medical Center

Dr. Wlody has no relevant financial relationship with any commercial interest.

LETTER FROM THE EDUCATIONAL PROGRAMS DIVISION



California Society of
ANESTHESIOLOGISTS
Physicians for Vital Times

Dear Colleagues,

Aloha! On behalf of the California Society of Anesthesiologists (CSA) Educational Programs Division, it is my pleasure to invite you to join us on the lovely island of Maui January 25 – 29, 2016, for the CSA 2016 Winter Anesthesia Conference. Our mission is to provide relevant, timely, high-quality education to anesthesia professionals from California and all over the world. We see this education as one of the key ways practitioners can improve their competence to deliver high-quality patient care.

The CSA 2016 Winter Anesthesia Conference has been developed in response to educational priorities expressed by prior CSA meeting attendees. We augment these priorities using input from content experts and review of current literature, professional society guidelines, and professional examination content outlines. The resulting program provides the latest clinical information in anesthesiology and its subspecialties, with a focus on improving patient outcomes in ways that add value to health care. We employ a broad approach to teaching that includes lectures, problem-based discussions, audience feedback, and opportunities to get your questions answered. The optional limited registration echocardiography workshop will provide didactic, interactive, and hands-on teaching about this powerful diagnostic and monitoring technique.

We have outstanding speakers from throughout California and across the United States. These content experts will present information that attendees can use in their daily practice when making management decisions for complicated patients during the peri-anesthesia period. Our sessions are relevant to daily practice of general anesthesia care, pediatric anesthesia, obstetric anesthesia, regional anesthesia, and pain medicine. Many of our sessions provide information about how to add health care value in your own practice, since we believe that future health care will focus on quality and value. Health care quality will be measured by outcome, and value will be measured by how a practice adds to quality.

The meeting will be held at the popular Hyatt Regency Ka'anapali, which provides easy access to excellent beach and ocean activities, world-renowned golf courses, and exciting shopping, dining, and entertainment venues. January weather in Hawaii is marvelous, making this time of year a favorite of frequent Maui visitors. Even the humpback whales visit the waters around Maui this time every year! Please make your plans and reservations to join us for what promises to be an excellent and rejuvenating educational experience.

I look forward to seeing you in January,

Richard L. Applegate II MD, Program Chair

SUNDAY JANUARY 24

2:00-3:00 pm

Exhibitor Set up

3:00-6:00 pm

Registration and Welcome snacks

*Exhibits open during this time

MONDAY JANUARY 25

6:15-7:00 am

Breakfast/Registration

7:00-8:00 am



Problem-Based Learning: Complicated perioperative patients – Using echocardiography to inform management decisions

Patricia Applegate, MD, FACC
Loma Linda University School of Medicine

- Recognize clinical situations in which echocardiography can rapidly lead to correct diagnoses
- Discuss clinical conditions that may not be optimally assessed using limited or point of care echo
- Describe correlation of ECG and echo findings in complicated patients

8:00-9:00 am



Regional anesthesia and perioperative outcomes

Edward R. Mariano, MD, MAS
Stanford University School of Medicine

- Discuss the benefits of regional anesthesia on pain and rehabilitative outcomes
- Identify applications of “big data” in outcomes assessment
- Critically evaluate the evidence related to regional anesthesia and long-term outcomes



9:00-10:00 am



Echo to the rescue outside the heart room

Richard Applegate II, MD
Loma Linda University School of Medicine

- Recognize the component views of the basic intraoperative TEE examination
- Evaluate basic TEE views for the presence of major findings related to changes in a patient's condition
- Discuss clinical settings in which TEE may improve the clinician's ability to resolve discordant diagnostic findings

10:00-10:30 am

BREAK/Visit the Exhibits

10:30-11:30 am



Drug interactions

Evan Khrasch, MD, PhD
Washington University in St. Louis

- Understand the pharmacokinetic basis for anesthetic drug interactions
- Understand the pharmacodynamic basis for anesthetic drug interactions
- Understand how to avoid unwanted drug interactions and use desirable drug interactions to therapeutic benefit

11:30am-12:30 pm



Current Issues in Adenotonsillectomy

Nancy Glass, MD, MBA, FAAP
Texas Children's Hospital

- Name the advantages/disadvantages of using an LMA for adenotonsillectomy
- Discuss the risk/benefit ratio for various analgesic regimens
- Name risk factors for postoperative complications
- Plan a safe anesthetic for a wide range of patients undergoing this procedure

12:30 pm

Meeting Concludes for the Day

12:45-1:00 pm

Box lunches available for those attending optional Echocardiography workshop



1:00-5:15 pm

OPTIONAL Echocardiography workshop
(separate registration required)**Participation in this event qualifies for 4 additional CME units*Patricia Applegate, MD, FACC
*Loma Linda University School of Medicine*Richard Applegate II, MD
Loma Linda University School of Medicine

This workshop is designed for the practitioner who would like to gain a foundation for adding point of care echocardiography to their practice. Participation will include:

- Lectures to highlight point of care echo advantages and limitations
- Hands-on scanning with live models to understand and demonstrate how to obtain a point of care FOCUS echo exam
- Case-based presentations to illustrate the diagnostic and management capabilities of point of care TTE and TEE
- Interactive learning using a computer-based tutorial that includes text, illustrations and hundreds of echo clips highlighting echo findings in a wide range of conditions

TUESDAY JANUARY 26

6:15-7:00 am

Breakfast/Registration

7:00-8:00 am

Problem-Based Learning: Maternal hemorrhageDavid Wlody, MD, *State University of New York-Downstate Medical Center*

- Describe the pathophysiology of the most common neurologic disorders seen in the parturient
- Describe the surgical, anesthetic, pharmacologic and radiologic treatment of maternal hemorrhage

8:00-9:00 am

Methadone: Pharmacology and perioperative applicationEvan Khrasch, MD, PhD
Washington University in St. Louis

- Understand the pharmacokinetics and clinical effects of methadone
- Understand the practical applications of methadone in the perioperative period

9:00-10:00am

**Neurologic disease in pregnancy**David Wlody, MD, *State University of New York-Downstate Medical Center*

- Describe the pathophysiology of the common neurologic disorders seen in the parturient
- Formulate an anesthetic plan for the management of the parturient with coexisting neurologic disease

10:00-10:30 am

BREAK/Visit the Exhibits

10:30-11:30 am

**Anesthetic Management of Obese Children**Nancy Glass, MD, MBA, FAAP
Texas Children's Hospital

- Perform an effective preoperative assessment on the obese child
- Plan an anesthetic based on the findings
- Describe risk factors and management for obese children with obstructive sleep apnea

11:30 am-12:30 pm

Surface anatomy and sonoanatomy for the occasional regional anesthesiologistEdward R. Mariano, MD, MAS
Stanford University School of Medicine

- Define optimal ultrasound transducer position for cross-sectional imaging of nerves
- Apply surface anatomic landmark identification in ultrasound transducer application
- Identify sonoanatomy of common peripheral nerves and surrounding structure
- Discuss tips and tricks to improve ultrasound images and ultrasound-guided nerve block techniques

Meeting Concludes for the Day



WEDNESDAY JANUARY 27

6:15-7:00 am

Breakfast/Registration

7:00-8:00 am

Problem-Based Learning: OSA and Pharmacology

Evan Khrasch, MD, PhD
Washington University in St. Louis

- Understand the physiologic basis for obstructive sleep apnea
- Understand the interplay between sleep, pain, analgesia and OSA
- Understand the pharmacology of analgesics in OSA patients

8:00-9:00 am

My Next Patient Has What Device? What Do I Do Now?

Richard Applegate II, MD
Loma Linda University School of Medicine

- Describe differences, including the indications for, implantable electrical devices

- Outline a management plan for peri-anesthesia care of patients with pacemaker, implantable defibrillator and LVAD
- Delineate pre-anesthesia assessment and preparation of patients with a pacemaker, defibrillator or LVAD
- Understand intra-anesthesia management concerns and strategies for patients with a pacemaker, defibrillator or LVAD

9:00-10:00 am

Pharmacogenomics in anesthesiology

Evan Khrasch, MD, PhD
Washington University in St. Louis

- Understand basic principles of pharmacogenetics, including polymorphisms and gene duplication
- Understand how pharmacogenetics influences anesthetic pharmacokinetics
- Understand how pharmacogenetics influences anesthetic pharmacodynamics pain, and diseases relevant to anesthesia care

10:00-10:30 am

BREAK/Visit the Exhibits

10:30-11:30 am

Update on continuous peripheral nerve block techniques

Edward R. Mariano, MD, MAS
Stanford University School of Medicine

- Discuss the indications for continuous peripheral nerve blocks
- Identify obstacles to implementing a continuous peripheral nerve block system
- Examine various techniques and equipment for continuous peripheral nerve block performance
- Discuss the application of ultrasound guidance for perineural catheter insertion

11:30 am-12:30 pm

Neurologic complications of neuraxial anesthesia in obstetrics

David Wlody, MD, *State University of New York-Downstate Medical Center*

- Describe the pathophysiology of the most significant neurologic injuries seen after neuraxial obstetric anesthesia
- Describe strategies for the prevention, recognition, and treatment of neurologic injury after neuraxial obstetric anesthesia

————— **Meeting Concludes for the Day**

THURSDAY JANUARY 28

6:15-7:00 am

Breakfast/Registration

7:00-8:00 am

Problem-Based Learning: Postoperative Pain Management in Children

Nancy Glass, MD, MBA, FAAP
Texas Children's Hospital

- Develop an age-appropriate pain plan for inpatient, perioperative pain management, recognizing the indications for adjuncts and regional anesthetic techniques
- Develop an age-appropriate pain plan for outpatient, perioperative pain management
- Recognize risk factors for complications of analgesic therapy

8:00-9:00 am

**Cardiac disease in pregnancy**

David Wlody, MD, *State University of New York-Downstate Medical Center*

- Describe the effects that the maternal physiologic changes of pregnancy have on the parturient with co-existing cardiac disease
- Formulate an anesthetic plan for the management of the parturient with co-existing cardiac disease

9:00-10:00 am

**Recognizing and Managing the Difficult Airway in Children**

Nancy Glass, MD, MBA, FAAP
Texas Children's Hospital

- Name four risk factors for a difficult airway in children
- Plan alternate airway management strategies to address difficult mask ventilation and difficult laryngoscopy
- Describe alternatives to tracheal intubation for managing specific airway anomalies

10:00-10:30 am

BREAK/Visit the Exhibits

10:30-11:30 am

**Preoperative evaluation and preparation of patients with cardiac disease: the consultant's perspective**

Patricia Applegate, MD, FACC
Loma Linda University School of Medicine

- Discriminate between patient cardiovascular conditions that are better managed by a consultant and those that can be managed by the anesthesiology care team
- Enumerate advantages and disadvantages of diagnostic tests used to evaluate patients for cardiovascular disease
- Explain how the cardiology consultant can work with the anesthesiology care team to provide an evaluation and management plan appropriate to the patient, procedure and anesthetic needs

11:30 am-12:30 pm

New drugs in anesthesia

Evan Khrasch, MD, PhD

Washington University in St. Louis

- Understand the pharmacology of new drugs in anesthesia
- Create awareness and initial understanding of new drugs in development

Meeting Concludes for the Day

FRIDAY JANUARY 29

6:15-7:00 am

Breakfast/Registration

7:00-8:00 am



Problem-Based Learning: Management of the patient with suspected perioperative nerve injury

Edward R. Mariano, MD, MAS

Stanford University School of Medicine

- Discuss potential risks for perioperative nerve injury
- Estimate occurrence rates of various regional anesthesia complications
- Evaluate the patient with suspected nerve injury and recommend appropriate testing

8:00-9:00 am



Anesthetic Risks and Complications in Children: What Have We Learned from Our Databases?

Nancy Glass, MD, MBA, FAAP

Texas Children's Hospital

- State the current mortality for children undergoing anesthesia relative to historical trends
- Name factors that increase pediatric morbidity and mortality
- Name 3 Best Practices for avoiding common anesthetic mishaps
- Plan a safe process for initiating a new procedure into one's practice

9:00-10:00 am

How to set up an acute pain service that adds value

Edward R. Mariano, MD, MAS

Stanford University School of Medicine

- Discuss the value-based purchasing program and its components
- Identify aspects of the HCAHPS survey that directly and indirectly relate to inpatient pain management
- Apply strategies to provide high-quality pain management and minimize risks for postsurgical patients

10:00-10:30 am

BREAK/Visit the Exhibits

10:30-11:30 am



Nonobstetric surgery during pregnancy

David Wlody, MD, *State University of New York-Downstate Medical Center*

- Describe the physiologic changes of early and advanced pregnancy and indicate how these alter anesthetic management of the pregnant patient
- Discuss the effects of anesthetic agents on the fetus and newborn

11:30am-12:30 pm

Looking Back to Move Forward: Anesthesiology in Evolution

Richard Applegate II, MD

Loma Linda University School of Medicine

- Explain the pivotal role of anesthesia care in health care systems
- Understand the evolution of peri-anesthesia care in the last quarter century
- Describe practices by which anesthesia care can add value by improving patient outcomes and health system efficiency while decreasing overall cost of medical care

End of Meeting

GENERAL INFORMATION

HOTEL ACCOMMODATIONS

The CSA 2016 Winter Anesthesia Conference will be held at:

HYATT REGENCY MAUI RESORT AND SPA

200 Nohea Kai Drive
Lahaina, Hawaii, USA, 96761-1985

MAKING RESERVATIONS

Reservations may be made using this link:

<https://resweb.passkey.com/go/b2c65cdf>

There is also a clickable link located on the CSA Winter Conference website

GROUND TRANSPORTATION

Group pick-ups:

AKINA ALOHA TOURS

<http://www.akinatours.com/>

808-879-2828

Cakina@akinatours.com

ROBERTS HAWAII

<http://www.robertshawaii.com/transportation/groups>

800-831-5541

CustomerService@robertshawaii.com

RENTAL CARS

Many rental companies have locations at the airport on Maui

SHARED SHUTTLE SERVICE OR PRIVATE EXECUTIVE CARS

SPEEDISHUTTLE & ARTHUR'S LIMOUSINE

(they conveniently have a desk in our lobby)

<http://www.speedishuttle.com/>

877-242-5777

maui@speedishuttle.com

HAWAII EXECUTIVE TRANSPORTATION

<http://www.hawaiiexecutivetransportation.com/>

808-669-2300

maui@hawaiiexecutivetransportation.com

HOW TO REGISTER

Register by one of these methods:

Online: http://www.csahq.org/upcoming_programs.php

By Phone: 916-290-5830

By Fax: You can fax your completed form to 916-444-7462

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MARK YOUR CALENDAR FOR FUTURE CSA ANESTHESIA CME MEETINGS

csahq.org/cme



CSA 2016 ANNUAL ANESTHESIA MEETING & WORKSHOPS

April 14 – 17, 2016

Hyatt Fisherman's Wharf, San Francisco, California



CSA 2016 FALL ANESTHESIA CONFERENCE

October 31 - November 4, 2016

The Fairmont Orchid, Kohala Coast, Hawaii



CSA 2016 WINTER ANESTHESIA CONFERENCE

CME REGISTRATION FORM



California Society of
ANESTHESIOLOGISTS
Physicians for Vital Times

CME REGISTRATION FORM

JANUARY 25-29, 2016 | MAUI, HAWAII

NAME: _____ CREDENTIALS: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

ABA #: (if applicable) _____

EMAIL: _____

PHONE: (____) _____ - _____ ☐ CELL ☐ PRACTICE ☐ HOME ☐ FAX (____) _____ - _____

	(CIRCLE ONE)	
	Early Member Until 12/15/2015	Regular Member/ On-Site
CSA Members	\$715	\$865
Non-CSA Members	\$915	\$1065
AA, CRNA, PA, RN	\$615	\$765
Resident/Fellow	\$350	\$500
CSA Retired/Life Member	\$350	\$500
Optional Echocardiography Workshop* <i>*Workshop only open to the first 20 people who sign-up!</i>	\$350 Non-Member \$425	\$425 Non-Member \$500

EARLY REGISTRATION ENDS ON DECEMBER 15, 2015 • LATE REGISTRATION BEGINS ON JANUARY 2, 2016

GUEST INFORMATION: Please note: The registration fee for participants includes breakfast but all guests, including children, will be subject to a \$40 per meal charge if they join participants for breakfast. Guests will require name badges to be admitted to the breakfast area; all other guests at the meeting will not require name badges.

If your guest(s) will be joining you for breakfast on any or all of the days of the meeting, please list their names below and select which days they will be joining you.

_____	☐ Mon	☐ Tues	☐ Wed	☐ Thurs	☐ Fri	☐ All Days
_____	☐ Mon	☐ Tues	☐ Wed	☐ Thurs	☐ Fri	☐ All Days
_____	☐ Mon	☐ Tues	☐ Wed	☐ Thurs	☐ Fri	☐ All Days
_____	☐ Mon	☐ Tues	☐ Wed	☐ Thurs	☐ Fri	☐ All Days

CSA DISCOUNT CODE: _____

TOTAL AMOUNT DUE (USD) INCLUDING GUEST MEAL(S) IF APPLICABLE: \$ _____

METHOD OF PAYMENT (CHECK ONE)

☐ **CHECK** Please make payable to: California Society of Anesthesiologists, and mail to: One Capitol Mall, Suite 800, Sacramento, CA 95814.

☐ **CREDIT CARD** I authorize the California Society of Anesthesiologists to charge the following credit card, in the full amount due.

CHECK ONE ☐ MasterCard ☐ Visa ☐ American Express

Name as it appears on card: _____

Card #: _____ - _____ - _____ - _____ Expiration Date: ____/____ 3 or 4 digit security code: _____

Signature: _____

Please send in form via email to csa@csahq.org, or by fax to 916-444-7462.

Online registration is also available at csahq.org/winter16.