

2019 CSA ANNUAL MEETING INNOVATIONS IN ANESTHESIOLOGY



LEARN FROM THE MOST RESPECTED
PHYSICIAN ANESTHESIOLOGISTS ABOUT
ANESTHESIOLOGY AND PERIOPERATIVE CARE



California Society of
ANESTHESIOLOGISTS
Physicians for Vital Times

**Paradise Point
Hotel and Resort
SAN DIEGO**

**MARCH 7-10
2019**

DEAR COLLEAGUES,

On behalf of the California Society of Anesthesiologists (CSA) Educational Programs Division, we are excited to invite you to join us at the beautiful Paradise Point Resort and Spa in Mission Bay, San Diego.

Innovation in anesthesia is the theme that has guided us while developing the program. This year’s program will not only provide the tools needed to deliver high-quality patient care but will also address how to shape anesthesiology care for the future. The program provides sessions grouped by specialty interest with expert speakers from throughout California and across the nation.

On Saturday evening all delegates, speakers, attendees and exhibitors are invited to a barbeque on the beach at Paradise Point. This is a new event for the CSA and we hope you will attend. This should be an excellent opportunity to meet old friends, make new ones and network.

The program starts on Thursday afternoon with two pre-conference workshops that will provide participants with hands-on, small group teaching in the following topics:

- POCUS/TEE/Perioperative Ultrasound
- Advanced Regional Anesthesia

These workshops are designed to expand scope of practice, as well as foster the exchange of acquired skills amongst professionals in the given area. These workshops are limited in size, so please sign up early if you are interested.

The plenary lectures will be short, high-yield, and organized by specialty interest within a theme reflecting challenges facing anesthesiology in the future. A panel discussion at the end of each module will promote interaction between attendees and speakers. In addition to the wide variety of clinical topics, there are special topics focused on new concepts of enhanced patient management after surgery. These include goal-directed fluid therapy, blood management, evidence-based medicine, patient safety, the digital future of perioperative medicine, and legislative challenges in Anesthesia care, all of which will emphasize the anesthesiologist’s role in enhancing the quality of patient care.

Concurrently, the program will host small group Problem-Based Learning Discussions (PBLDs) featuring expert faculty but focusing on case-based and practical take-home points.

We are continuing our highly successful and well received Practice Management sessions. These discussions will highlight updates in leadership, business administration, and practice performance issues that are of critical importance in today’s anesthesiology practice environments.

We have again included exciting Abstract Presentations as part of our general session. We have increased the number of possible abstract presentations and also dedicated one session to view posters that are not presented in an oral form. Attendance at these abstracts includes CME credit. This will be an excellent opportunity to share recent research with your fellow colleagues and peers!

The 2019 CSA annual meeting is set to be both an excellent educational experience for anesthesiologists, as well as an opportunity to network with peers in our scientific community. We look forward to seeing you in San Diego.

John G. Brock-Utne, MD, PhD
Program Chair, CSA

Keren Ziv, MD and Shalini Shah, MD
Associate Scientific Program Chairs



California Society of
ANESTHESIOLOGISTS
Physicians for Vital Times

The annual CSA 2019 Annual meeting is a comprehensive program designed to enhance the continuing medical education experience of physician anesthesiologists, fellows, residents and other healthcare providers. 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.

MISSION: The mission of the Educational Programs Division of the California Society of Anesthesiologists is to provide relevant, timely, high quality education to anesthesia professionals in California and from all over the world. This, in turn, allows the learners to deliver high quality patient care. We deliver this education using a variety of platforms, including didactic lectures, journal articles, Internet courses and hands-on workshops.

VISION: The educational mission of the California Society of Anesthesiologists is to improve competence and performance in the provision of high quality perioperative anesthesia care.

PURPOSE: CSA will provide relevant, timely, high quality live educational activities to physician anesthesiologist and other anesthesia professionals. Educational formats are designed utilizing the principles of effective adult learning in order to best achieve the activity’s educational objectives. Through a strategic partnership with the American Board of Anesthesiology, CSA provides education that fulfills maintenance of certification requirements for our learners. CSA is committed to engage in educational initiatives that support physicians’ continuing professional development.

OUTCOMES /EXPECTED RESULTS: CSA expects that its participants will improve their competence by increasing their knowledge and skill sets, and/or improve their performance by applying their newly acquired knowledge and skill sets in their practice. Our goal is to enhance our participants’ ability to provide quality and safe patient care. It is the belief of the CSA that by improving competence and performance, ultimately patient outcomes will be improved.

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 healthcare 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.

COMMERCIAL SUPPORT ACKNOWLEDGMENT: 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.

The California Society of Anesthesiologists designates this live activity for a maximum of 23.5 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.

The California Society of Anesthesiologists are pleased to announce that the CSA 2019 Annual Conference has been approved by the American Board of Anesthesiology to fulfill 14 hours of the Patient Safety Requirement for Part II of ABA’s Maintenance of Certification Anesthesiology Program (MOCA). The Maintenance of Certification in Anesthesiology™ (MOCA®) program logo is a trademark of the American Board of Anesthesiology.



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). A complete listing of faculty disclosures will be available online on the meeting’s website.

The following members of the Educational Program’s Division (EPD) of CSA have reviewed this program and have indicated they approve it for CSA’s use. EPD members have no relevant financial relationships unless otherwise noted.

Ronald Pearl, MD, PhD

Richard Applegate II, MD

*Disclosure: Richard Applegate II, MD
Masimo; grant support, speaker fees, honorarium;
Merck research support*

Eugenia Ayrian, MD

Candice Bereal Williams, MD

John Brock-Utne, MD

Tom Caruso, MD

Lee-lynn Chen, MD

Kenneth Furukawa, MD

Adrian Gelb, MB. ChB, DA, FRCPC

Disclosure: Masimo, consultant and honoraria

Michael Gropper , MD, PhD

Steven Haddy, MD

Uday Jain, MD

*Disclosure: Pacira Pharmaceuticals and Infutronic,
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R. Scott Kriss, MD

Vivek Kulkarni, MBBS

Cathleen Lammers, MD

Stephen Macres, MD, PharmD

Edward Mariano, MD, MAS

Linda Mason, MD

Manuel Pardo, MD

Radhamangalam Ramamurthi, MBBS

Lena Scotto , MD

Shalini Shah, MD

*Disclosure: Pfizer Pharmaceuticals,
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Pedro Tanaka, MD

Narendra Trivedi, MD

Jeffrey Uppington, MBBS

Susana Vacas, MD, PhD

Mark Zakowski, MD

Keren Ziv, MD

Kathryn Rouine-Rapp, MD

These intensive hands-on Workshops are of longer duration and begin with comprehensive lectures on a focused topic presented by our expert faculty. After the introductory lectures, learners have substantial opportunity for hands-on practice using live models. Attendees are supported by expert clinicians who share their knowledge and experience in this interactive, small group learning environment. These sessions are clinically focused, with practical elements such as machine adjustments to optimize images being covered, as well as ample time for questions and answers.

Separate registration is required, and space is limited, please register early.

POCUS/TEE/
PERIOPERATIVE ULTRASOUND

1:00pm - 5:00pm

LEAD FACULTY CHAIR:

Prince Neelankavil, MD,
Director of Perioperative
Echocardiography, Department
of Anesthesiology, **University
of California Los Angeles**

DESCRIPTION:

The focus of the workshop is to teach practitioners how point of care ultrasound can facilitate acute care management in the perioperative setting. Point of care ultrasound encompasses many different organ systems; this workshop will focus on ultrasound of the cardiovascular and pulmonary system. The target audience for the workshop include Anesthesiologists, Pediatricians, Internists, Hospitalists, Surgeons, and Intensivists.

ADVANCED
REGIONAL WORKSHOP

1:00pm - 5:00pm

LEAD FACULTY CHAIR:

Rodney A. Gabriel, MD, MAS
Clinical Director of Anesthesia,
Koman Outpatient Pavilion
Chief, Division of Regional
Anesthesia and Acute Pain,
Assistant Clinical Professor,
Department of Anesthesiology
Department of Medicine,
Division of Biomedical Informatics
University of California, San Diego

DESCRIPTION:

The Advanced Ultrasound Guided Regional Anesthesia Workshop is for the general and specialist anesthesiologist who wants to master a more comprehensive armament of ultrasound-guided nerve blocks. The focus is on ultrasound, in-plane techniques for single shot nerve blocks using a linear transducer. Didactic discussions and presentations will be provided at the start of the course, followed by a focused hands-on tutorial with live patient models and ultrasound equipment. The workshop will focus on blocks performed at the level of the neck & shoulder, upper and lower trunk, and upper and lower extremities.





AT THE END OF THIS ACTIVITY, PARTICIPANTS WILL BE ABLE TO:

- 1 BETTER DEMONSTRATE** how to reshape a pain delivery model
- 2 APPLY INNOVATION** in local anesthetic drugs, recognize the opioid crisis and its impact on children and adolescents
- 3 RECOGNIZE HOW** to better manage an opioid tolerant patient
- 4 ARTICULATE AN IMPROVED** understanding of cardiovascular assessment and monitoring
- 5 IDENTIFY THE SKILL SETS** needed for basic geometrical anesthesia regional technique; understanding the various drugs that can be used as it relates to their pharmacology, postoperative pain management and the associated complications and their prevention.
- 6 IDENTIFY THE RISK FACTORS** related to diagnosis and treatment of sepsis and its associated blood coagulation disorders.
- 7 ENGAGE THE HOSPITAL LEADERSHIP** with new found knowledge of leadership skills and understanding the barriers that exists for efficient and excellent health care.

THURSDAY, MARCH 7, 2019

12:00 pm - 6:00 pm
REGISTRATION

1:00 pm - 5:00 pm
WORKSHOPS (each 4 CME)

POCUS/TTE PERIOPERATIVE ULTRASOUND
Prince Neelankavil, MD
Director of Perioperative Echocardiography,
Department of Anesthesiology,
University of California, Los Angeles

ADVANCED REGIONAL TECHNIQUES
Rodney Gabriel, MD, MAS
Clinical Director of Anesthesia, Koman
Outpatient Pavilion, Chief, Division of
Regional Anesthesia and Acute Pain,
Assistant Clinical Professor, Department of
Anesthesiology, Department of Medicine,
Division of Biomedical Informatics,
University of California, San Diego

1:00 pm - 6:00 pm
EXHIBITOR SET UP

2:00 pm - 4:00 pm
CSA COMMITTEES
Finance and Administration
Committee on Professional
Public Communication

4:00 pm - 5:30 pm
CSA COMMITTEES
Membership
GASPAC Board
EPD Committee

5:45-7:00 pm
CSA COMMITTEES
Pain Management
Committee on Resident Representation
Committee on Audit

7:30 pm - 9:00 pm
CSA COMMITTEES
Practice Management

FRIDAY, MARCH 8, 2019

7:00 am - 5:30 pm
REGISTRATION AND EXHIBITS OPEN

7:00 am - 8:00 am
CONTINENTAL BREAKFAST
IN EXHIBIT HALL

8:00 am - 8:10 am
WELCOME REMARKS
John Brock Utne, MD, PhD
Chair 2019, CSA Annual Meeting, Professor of Clinical
Anesthesiology, Department of Anesthesiology,
Stanford University School of Medicine

Sam Wald, MD, MBA, FASA
CSA President, Clinical Professor, Anesthesiology
Perioperative and Pain Medicine, Department of
Anesthesiology, Stanford University School
of Medicine

8:10 am - 9:30 am
SESSION I (1.50 CME)

ORAL ABSTRACT PRESENTATIONS
Moderator: John Brock Utne, MD, PhD,
Professor of Clinical Anesthesiology,
Department of Anesthesiology,
Stanford University School of Medicine

9:30 am - 10:00 am
SESSION 2 (No CME)

**VIEW POSTERS/MORNING
BREAK IN EXHIBIT HALL**
Moderator: John Brock Utne, MD, PhD, &
Keren Ziv, MD

SESSION 3 (1.75 CME)

**INNOVATION IN REGIONAL
ANESTHESIA AND ULTRASOUND**
Moderator: Keren Ziv, MD
Associate Director Division of Neurosurgical
Anesthesiology, Director, Anesthesiology
Wellness Committee
University of California, Los Angeles

10:00 am - 10:25 am (.5 CME)
**RESHAPING PAIN DELIVERY MODELS:
A PERIOPERATIVE PAIN PROGRAM**
Navid Alem, MD, Associate Clinical Professor,
Department of Anesthesiology and Perioperative
Medicine, University of California, Irvine



10:25 am - 10:45 am (0.25 CME)
INNOVATION IN LOCAL ANESTHETIC DRUGS
Rodney Gabriel, MD, MAS, Clinical Director of
Anesthesia, Koman Outpatient Pavilion, Chief,
Division of Regional Anesthesia and Acute Pain,
Assistant Clinical Professor, Department of
Anesthesiology, Department of Medicine, Division
of Biomedical Informatics, University of California,
San Diego



10:45 am - 11:10 am (0.25 CME)
POINT OF CARE ULTRASOUND
Lindsay Huddleston, MD, Assistant Clinical Professor, Department of Anesthesia and Perioperative Care, **University of California, San Francisco**



11:10 am - 11:30 am (0.25 CME)
USING REGIONAL ANESTHESIA AND ACUTE PAIN MEDICINE TO IMPROVE PATIENT OUTCOMES
Edward Mariano, MD, MAS, Chief, Anesthesiology and Perioperative Care Service and Associate Chief of Staff for Inpatient Surgical Services and Professor of Anesthesiology, Perioperative and Pain Medicine, **VA Palo Alto Health Care System and Stanford University School of Medicine**



11:30 am - 12:00 pm (0.5 CME)
PANEL DISCUSSION

12:00 pm - 1:30 pm
LUNCH BREAK (On own)

SESSION 4 (1.75 CME)

INNOVATION IN DIAGNOSIS AND TREATMENT
Moderator: Ron Pearl, MD, PhD
Professor and Chair, Department of Anesthesiology, Perioperative and Pain Medicine, **Stanford University School of Medicine**

1:30 pm - 1:55 pm (.5 CME)
INNOVATION IN DIAGNOSIS OF SEPSIS
Jeanne Wiener-Kronish, MD
Professor and Chair, Henry Isaiah Dorr Professor of Research and Teaching in Anesthetics and Anesthesia, **Massachusetts General Hospital**



1:55 pm - 2:20 pm (.5 CME)
REAL AGE: UPDATE ON RED BLOOD CELL STORAGE DURATION - LABORATORY TO OPERATING ROOM
Colleen Koch, MD, MS, MBA
Professor of Anesthesiology and Critical Care Medicine and Anesthesiologist in Chief, Department of Anesthesiology and Critical Care Medicine, **Johns Hopkins Hospital**

2:20 pm - 2:45pm (.25 CME)
INNOVATION IN REMOTE MONITORING
Jeanne Wiener-Kronish, MD, Professor and Chair, Henry Isaiah Dorr Professor of Research and Teaching in Anesthetics and Anesthesia, **Massachusetts General Hospital**



2:45 pm - 3:10 pm (0.25 CME)
THE POSTOPERATIVE LUNG
Jeanne Wiener-Kronish, MD, Professor and Chair, Henry Isaiah Dorr Professor of Research and Teaching in Anesthetics and Anesthesia, **Massachusetts General Hospital**



3:10 pm - 3:25 pm (.25 CME)
PANEL

3:25 pm - 3:45 pm
COFFEE BREAK AND POSTER VIEWING IN THE EXHIBIT HALL

SESSION 5 (1 CME)

INNOVATION IN PAIN
Moderator: Shalini Shah, MD
Vice Chair, Pain Management, Chief, Division of Pain Medicine Director, Pain Services UCI Health, **University of California, Irvine**

3:45 pm - 4:05 pm (0.25 CME)
ACUTE PERIOPERATIVE PAIN MANAGEMENT IN THE 21ST CENTURY. IS OPIOID FREE ANALGESIA A REALITY?
Stephen Macres, MD, PharmD
Director Acute Perioperative Pain Services, Department of Anesthesiology, **University of California, Davis Medical Center**



4:05 pm - 4:25 pm (0.25 CME)
THE OPIOID CRISIS AND ITS IMPACT ON CHILDREN AND ADOLESCENTS
Amber Borucki, MD, Assistant Professor of Anesthesiology, Director Anesthesia Pain Service, Department of Anesthesia and Perioperative Care, **University of California San Francisco, Benioff Children's Hospital**



4:25 pm - 4:45 pm (0.25 CME)
INTEGRATING MEDICAL CANNABIS INTO MEDICAL PRACTICE
Mark Wallace, MD, Professor of Clinical Anesthesiology, Chair, Division of Pain Medicine, Center for Pain Management, **University of California, San Diego**

4:45 pm - 5:00 pm (0.25 CME)
PANEL

SESSION 6 (1.25 CME)

ORAL POSTER PRESENTATIONS
Moderator: John Brock Utne, MD, PhD
Professor of Clinical Anesthesiology, Department of Anesthesiology, **Stanford University School of Medicine**

5:00 pm - 6:15 pm
ORAL ABSTRACT PRESENTATIONS

5:00 pm - 7:30 pm
WELCOME RECEPTION WITH EXHIBITORS IN EXHIBITION HALL

7:30 pm (by invitation only)
GASPAC VIP RECEPTION

PROBLEM BASED LEARNING DISCUSSIONS (PBLD)
Each PBLD equals 1 CME (8 CME total) in parallel with the general sessions

8:00 am - 8:50 am
PERIOPERATIVE MANAGEMENT OF THE OPIOID TOLERANT PATIENT
Stephen Macres, MD, PharmD
Director Acute Perioperative Pain Services, Department of Anesthesiology, **University of California, Davis Medical Center**



9:00 am - 9:50 am
INNOVATION IN RESUSCITATION STRATEGIES IN TRAUMA CARE
Joshua Tobin, MD
Associate Professor of Anesthesiology, Chief, Division of Trauma Anesthesiology, **Commander, U.S. Navy University of Southern California Keck School of Medicine**



10:00 am - 10:50 am
DOCTOR MY AGING MOTHER IS HAVING A GA, SHOULD WE BE CONCERNED? RECENT EVIDENCE OF POCD AND ITS POSSIBLE PREVENTION
Angela Meier, MD, PhD
Assistant Clinical Professor, Department of Anesthesiology, **University of California, San Diego**



11:00 am - 11:50 am
DEVELOPING YOUR LEADERSHIP SKILLS
Colleen Koch, MD, MBA
Professor of Anesthesiology and Critical Care Medicine and Anesthesiologist in Chief, Department of Anesthesiology and Critical Care Medicine, **Johns Hopkins Hospital**

1:30 pm - 2:20pm
NEW BLOCKS FOR THORACOABDOMINAL SURGERY: WHAT DO YOU REALLY NEED TO KNOW?
Edward Mariano, MD, MAS, Chief, Anesthesiology and Perioperative Care Service and Associate Chief of Staff for Inpatient Surgical Services and Professor of Anesthesiology, Perioperative and Pain Medicine, **VA Palo Alto Health Care System and Stanford University School of Medicine**



2:25 pm - 3:05 pm
IMPROVING PEDIATRIC POSTOPERATIVE PAIN: HOW TO BUILD PAIN MANAGEMENT PROTOCOLS INTO A PEDIATRIC ERAS PATHWAY
Amber Borucki, MD, Assistant Professor of Anesthesiology, Director Anesthesia Pain Service, Department of Anesthesia and Perioperative Care, **University of California San Francisco, Benioff Children's Hospital**



3:10 pm - 3:40 pm
PERIOPERATIVE MANAGEMENT OF THE SEPTIC PATIENT
Lindsay Huddleston, MD
Assistant Clinical Professor, Department of Anesthesia and Perioperative Care, **University of California San Francisco**



PROGRAM SCHEDULE

3:45 pm - 4:25 pm

NEW DEVELOPMENTS IN
CARDIOVASCULAR ASSESSMENT
AND MONITORING

Gerard Maneke, MD, Professor of
Clinical Anesthesiology, Department of
Anesthesiology, **University of California,
San Diego**



4:30 pm - 5:10 pm

TEG/ROTEM DIAGNOSTIC TRACING
DILEMMAS. WHAT WOULD YOU DO?

Kevin Blaine, MD, MPH, Assistant Professor of
Clinical Anesthesiology, **University of Southern
California, Keck School of Medicine**



SATURDAY, MARCH 9, 2019

7:00 am - 5:30 pm

REGISTRATION AND EXHIBITS OPEN

7:00 am - 8:00 am

CONTINENTAL BREAKFAST
EXHIBIT HALL

SESSION 1 (1 CME)

INNOVATION IN PERIOPERATIVE MEDICINE

Moderator: Ron Pearl, MD, PhD
Professor and Chair, Department of
Anesthesiology, Perioperative and Pain Medicine
Stanford University School of Medicine

8:00 am - 8:30 am (.5 CME)

PHYSICIAN LEADERSHIP AND
HEALTHCARE OUTCOMES

Colleen Koch, MD, MBA
Professor of Anesthesiology and Critical
Care Medicine and Anesthesiologist in Chief,
Department of Anesthesiology and Critical Care
Medicine, **Johns Hopkins Hospital**



8:30 am - 8:55 am (.25 CME)

IMPLEMENTING GENOMICS INTO
PERIOPERATIVE CARE

Ruth Waterman, MD, MS
Interim chair of Anesthesiology, Department
of Anesthesiology, **University of California,
San Diego**



8:55 am - 9:15 am (.25 CME)

CASE STUDIES IN GENOMICS

Alison A'Court, MD, HS
Assistant Clinical Professor, Department of
Anesthesiology, **University of California,
San Diego**



9:15 am - 9:30 am

PANEL

9:30 am - 10:00 am

COFFEE AND POSTER
DISPLAY VIEWING

SESSION 2 (2 CME total)

LEFFINGWELL/SPECIAL TOPICS

Moderator: Sam Wald, MD, MBA, FASA
Clinical Professor, Anesthesiology
Perioperative and Pain Medicine, Department
of Anesthesiology
Stanford University School of Medicine

10:00 am - 10:45 am (.75 CME)

LEFFINGWELL LECTURE:
DOING THE RIGHT THING

Dan Cole, MD, Professor of Clinical
Anesthesiology Department of
Anesthesiology and Perioperative Medicine
University of California, Los Angeles

10:45 am - 11:15am (.5 CME)

ASA UPDATE

Linda Mason, MD
Professor of Anesthesiology, Loma Linda
University and ASA President

11:15 am - 11:45 am (.5 CME)

HOW TO MAKE YOU AS THE
ANESTHESIOLOGIST INDISPENSABLE
TO THE HOSPITAL

Stanley W. Stead, MD MBA FASA, CEO
Stead Health Group, Inc.

11:45 am - 12:00 pm (.25 CME)

PANEL DISCUSSION

12:00 pm - 1:15 pm

LUNCH (provided)

SESSION 3 (1.25 CME)

PRACTICE MANAGEMENT PART 1

Moderator: Keith Chamberlin, MD
Anesthesiology Consultants of Marin
1:15 pm - 1:45 pm (.5 CME)

CASE STUDIES OF
DISRUPTIVE PHYSICIANS

Ron Pearl, MD, PhD
Professor and Chair, Department of
Anesthesiology, Perioperative
and Pain Medicine, **Stanford University
School of Medicine**

Sam Wald, MD, MBA, FASA

Clinical Professor, Anesthesiology
Perioperative and Pain Medicine,
Department of Anesthesiology
Stanford University School of Medicine

1:45 pm - 2:10 pm (.25 CME)

ANESTHESIOLOGIST BURNOUT:
INDIVIDUAL TO DEPARTMENTAL
WELLBEING

Keren Ziv, MD,
Associate Clinical Professor, Department of
Anesthesiology and Perioperative Care,
University of California, Irvine

2:10 pm - 2:30 pm (.25 CME)

HOW MANY HOSPITAL ADMINISTRATORS
DO WE REALLY NEED?
AND OTHER THOUGHTS....

John Brock Utne, MD, PhD, Professor of Clinical
Anesthesiology, Department of Anesthesiology,
Stanford University School of Medicine

2:30 pm - 2:45 pm (.25 CME)

PANEL

2:45 pm - 3:00 pm

AFTERNOON BREAK IN THE EXHIBIT
HALL AND POSTER VIEWING

SESSION 4 (1.25 CME)

PRACTICE MANAGEMENT PART 2

Moderator: Keith Chamberlin, MD
Anesthesiology Consultants of Marin

PROGRAM SCHEDULE

3:00 pm - 3:35 pm (.5 CME)

USING FINANCIAL DASHBOARDS
TO UNDERSTAND YOUR
ANESTHESIA PRACTICE

Joe Szokal, MD, Harris Family Foundation
Chairman, Department of Anesthesiology,
Critical Care and Pain Medicine, Former Staff
President, Clinical Professor; Section Chair,
Professional Standards, American Society
of Anesthesiologists, Chairman, Illinois
Department of Financial and Professional
Regulation Medical Disciplinary Board
NorthShore University Health system, Evanston,
Illinois; **University of Chicago Pritzker
School of Medicine**

3:35 pm - 4:10 pm (.5 CME)

THE NEXT GENERATION OF
ANESTHESIOLOGISTS

Nirav Kamdar, MD, MPP, MBA
Assistant Clinical Professor, Department of
Anesthesiology and Perioperative Medicine
University of California, Los Angeles

4:10 pm - 4:30 pm (.25 CME)

PANEL

PROBLEM BASED LEARNING
DISCUSSIONS (PBLD)

Each PBLD equals 1 CME (3.5 CME total) in
parallel with the general sessions

8:00 am - 8:50 am

MITIGATE THE PAIN: INTRAOPERATIVE
ANALGESIC STRATEGIES FOR THE
COMPLEX PAIN PATIENT

Navid Alem, MD, Associate Clinical
Professor, Department of Anesthesiology
and Perioperative Medicine, **University of
California, Irvine**



9:00 am - 9:50 am

HOW TO HANDLE RISK AND
UNCERTAINTY, BOTH CLINICALLY AND
ADMINISTRATIVELY, IN YOUR DAILY LIFE

Christine Doyle, MD
Assistant Medical Director, Informatics &
Analytics O'Connor Anesthesia and Vitiuity

4:30 pm – 6:00 pm
INNOVATION IN DESIGN THINKING FOR ANESTHESIOLOGISTS
Nirav Kamdar, MD, MPP, MBA
Assistant Clinical Professor, Department of Anesthesiology and Perioperative Medicine, **University of California, Los Angeles**

SESSION 5 (1.5 CME)

ORAL POSTER PRESENTATIONS
Moderator: Keren Ziv, MD, Associate Director Division of Neurosurgical Anesthesiology, Director, Anesthesiology Wellness Committee, **University of California, Irvine**

4:30 pm - 6:00 pm
ORAL PRESENTATIONS

7:00 pm - 10 pm
BEACH PARTY FOR ALL DELEGATES AND GUESTS PARADISE POINT BEACH AREA

SUNDAY, MARCH 10, 2019

7:00 am - 10:00 am
REGISTRATION AND EXHIBITS OPEN

7:00 am - 8:00 am
BREAKFAST

8:00 am - 3:00 pm
CSA BOARD MEETING

SESSION 1 (1.25 CME)

INNOVATION IN INTRAOPERATIVE MANAGEMENT
Moderator: John Brock Utne, MD, PhD, Professor of Clinical Anesthesiology, Department of Anesthesiology, **Stanford University School of Medicine**

8:00 am - 8:20 am (.25 CME)
INNOVATION IN OB ANESTHESIA MANAGEMENT
Mark Zakowski, MD, FASA, Chief Department of Obstetrical Anesthesiology and Pentanology, Past President, California Society of Anesthesiologist **Cedars Sinai Medical Center**

8:20 am - 8:40 am (.25 CME)
THE EFFECTS OF ANESTHETICS ON CANCER PROGRESSION
Angela Meier, MD, PhD
Assistant Clinical Professor, Department of Anesthesiology, **University of California, San Diego**

8:40 am - 9:00 am (.25 CME)
FLUID MANAGEMENT IN ADVANCED SURGICAL RECOVERY
Gerard Maneke, MD, Professor of Clinical Anesthesiology, Department of Anesthesiology, **University of California, San Diego**

9:00 am - 9:20 am (.25 CME)
THE EFFECTS OF ANESTHETICS ON THE DEVELOPING BRAIN
Piyush Patel, MD, Professor of Anesthesiology, Department of Anesthesiology, **University of California, San Diego**

9:20 am - 9:40 am (.25 CME)
PANEL

9:40 am - 10:00 am
MORNING BREAK IN THE EXHIBIT HALL/EXHIBITS CLOSE

SESSION 2 (2.25 CME)

INNOVATION IN TRAUMA
Moderator: Keren Ziv, MD, Associate Director Division of Neurosurgical Anesthesiology, Director, Anesthesiology Wellness Committee, **University of California, Irvine**

10:00 am - 11:30 am (.5 CME)
THE IMMUNE RESPONSE IN TRAUMA. WHAT CAN WE DO AS ANESTHESIOLOGISTS?
Joshua Tobin, MD, Associate Professor of Anesthesiology, Chief, Division of Trauma Anesthesiology, Commander, U.S. Navy **University of Southern California, Keck School of Medicine**

10:30 - 11:00am (0.5 CME)
STRATEGIES FOR INTRAOPERATIVE VENTILATION
Lindsay Huddleston, MD Assistant Clinical Professor, Department of Anesthesia and Perioperative Care, **University of California, San Francisco**

11:00 - 11:30am (0.5 CME)
SHOULD TEG OR ROTEM BE ROUTINE PERIOPERATIVE TESTING?
Kevin Blaine, MD, MPH, Assistant Professor of Clinical Anesthesiology, **University of Southern California, Keck School of Medicine**

11:30 - 11:50am (.5 CME)
NEAR MISSES IN TRAUMA
John Brock Utne, MD, PhD, Professor of Clinical Anesthesiology, Department of Anesthesiology, **Stanford University School of Medicine**

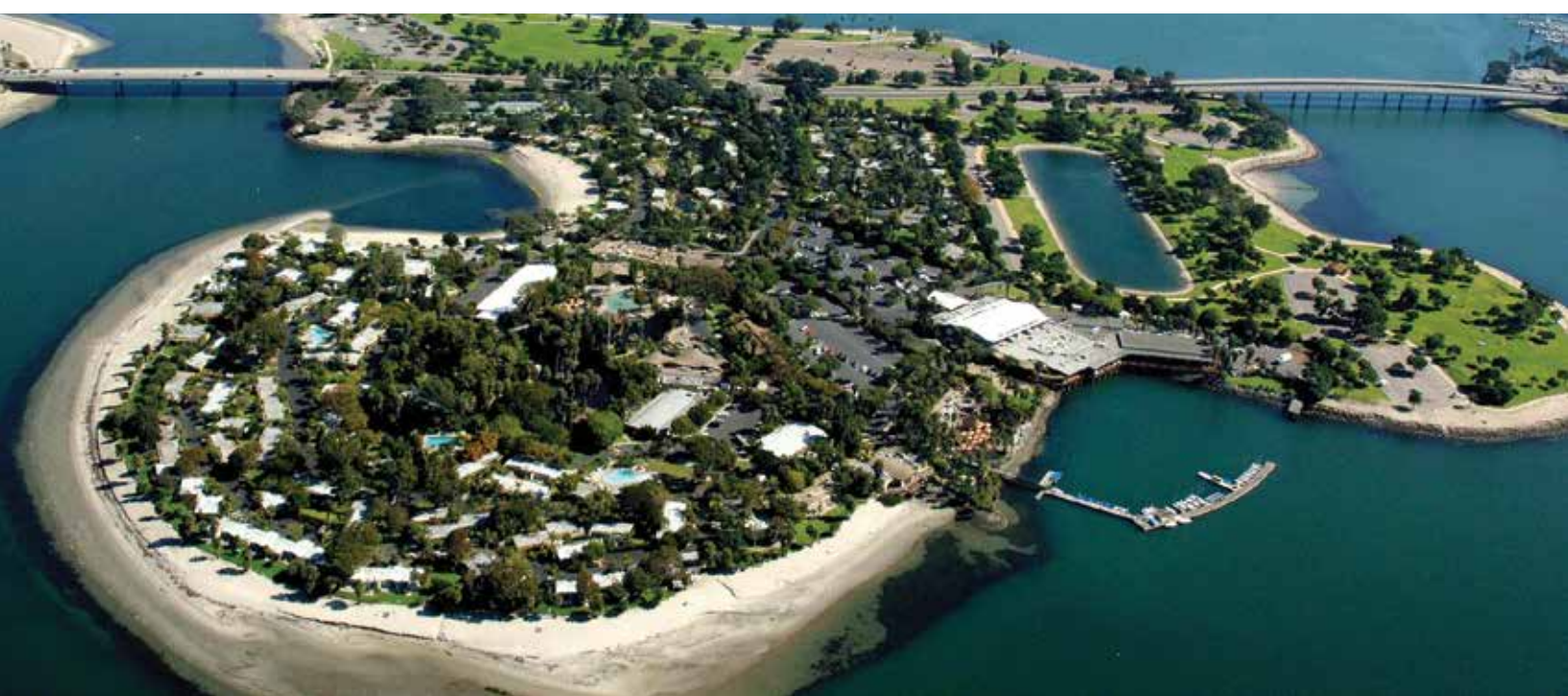
11:50 - 12:15 (0.25 CME)
PANEL



Faculty members do not have any relevant financial relationships with commercial interests unless otherwise noted.

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Navid Alem, MD
Kevin Blaine, MD, MPH
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