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

Hyatt Regency Mission Bay
SAN DIEGO

APRIL 7-10 2022
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 Hyatt Regency Mission Bay, San Diego.

After more than two long years of coping with the pandemic, the main theme for this year’s meeting is to refresh, review and relax. The program is packed with great speakers on a variety of topics from a hands-on POCUS & Regional Anesthesia workshop to a TED style pediatric anesthesia panel focusing on common pediatric problems. This year’s program will also provide enhanced tools needed to deliver high-quality patient care as anesthesiology care evolves. The program provides sessions grouped by specialty interest with expert speakers from throughout California and across the nation. New this year will be a fantastic session on diversity, equity, and equality, with national leaders in the field.

The program starts on Thursday afternoon with the POCUS workshop that will provide participants with hands-on, small group teaching in a range of ultrasound applications following the validated FORESIGHT educational curriculum that teaches a wide range of scans that includes point of care cardiac exams, pulmonary ultrasound, and gastric ultrasound. Attendees will also get education and hands on experience with many ultrasound guided regional anesthesia scans for upper & lower extremity, trunk blocks as well as PECS, serratus and erector spinae plane blocks. Following each station attendees will be provided review, hands on practicum and reporting opportunities and feedback. These workshops are limited in size, so please sign up early if you are interested.

The plenary sessions focus on updates in specialty areas and feature a combination of high-yield lectures, panel discussions and question / answer components. As you’ll see in the schedule, we have a broad range of topic areas covering peri-anesthesia care.

We are including Abstracts as part of our general session, in both poster and oral presentation formats. Attendance at these abstracts includes CME credit. This will be an excellent opportunity to share recent research with your fellow colleagues and peers! New this year is an opportunity for the session moderators all of whom are experts in their fields to present the top articles in their specialty. The audience will get to vote on the most influential or important article!

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.

Our Sunday session is focused on Optimal and Responsible Pain Management. Our speakers will provide insight from pain management, legal, regulatory, and health system points of view. Options, alternative treatments, medical marijuana, and the challenges presented by patients whose pain is difficult to treat. This popular Pain Session will be open to registrants from all specialties and can be used to help fulfill California’s Pain CME.

The 2022 CSA Annual Meeting is set to be both an excellent educational experience for anesthesiologists, and an opportunity to network with peers in our scientific community. We look forward to seeing you in San Diego.
STATEMENT OF EDUCATIONAL NEED:
Anesthesiology is a dynamic specialty with significant changes expected on several 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.

MITIGATION OF CONFLICTS OF INTEREST:
The California Society of Anesthesiologists requires all planners, faculty, and any persons in a position to control content for this educational activity to identify all financial relationships with any ineligible company, as defined by ACCME, to determine relevant conflicts of interest. Disclosures of these relevant financial relationships will be published in activity materials and distributed to all registered attendees. All relevant financial disclosures will be mitigated.

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

The California Society of Anesthesiologists designates this live activity for a maximum of 25.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

MAINTENANCE OF CERTIFICATION IN ANESTHESIOLOGY:
The California Society of Anesthesiologists are pleased to announce that the CSA 2022 Annual Conference has been approved by the American Board of Anesthesiology to fulfill 19.5 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.
The following are the members of the 2022 CSA Annual Meeting Planning Committee if not listed here, the faculty had no relevant financial relationships to disclose. In accordance with ACCME Standards for Integrity and Independence in accredited continuing education, course directors, planners, moderators, faculty, and all others in control of the educational content of the activity must disclose all financial relationships with ineligible companies that they may have had in the last 24 months. All listed relevant financial relationships with ineligible companies for individuals in control of content have been mitigated.

Rita Agarwal MD, FAAP, FASA  
Chair, 2022 CSA Annual Meeting  
Clinical Professor of Anesthesiology, Stanford University, School of Medicine; Past President Society for Pediatric Pain Medicine

Ashley Broussard, MD  
Associate Professor, UC Irvine  

Michael Leong, MD  
Clinical Professor, Director of Neuromodulation  
Stanford University  
Disclosure: Research Grant - Wex Pharmaceuticals  
Consulting Fees - Sorrento Therapeutics

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Assistant Professor, RUHS Department of Anesthesiology  
LLUMC Critical Care Center

Sydney Thomson, MD, FASA  
O’Connor Hospital  
San Jose  

Ronald George, MD, FRCPC  
Professor and Chief of Obstetric Anesthesia, UCSF Health  
Disclosure: Advisory Board - Octapharma

Olubukola Nafiu, MD, FRCA, MS  
Associate Professor, Nationwide Children’s Hospital

Engy Said, MD  
Associate Clinical Professor, UC San Diego Health System  
Disclosure: Research Funding – Epimed International; Infutronix; SPR Therapeutics

Christopher Tirce, MD, FASA  
Chair, Practice Management Committee, California Society of Anesthesiologists

MEETING OBJECTIVES

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

1. DEMONSTRATE enhanced Ultrasound skills

2. SELECT APPROPRIATE POCUS imaging for diagnosing common problems

3. RECOGNIZE the risks the anesthetizing critically ills cardiac patients

4. LIST THE IMPACT of microaggression, biases and socio-economic factors of clinician and patient outcome.

5. DISCUSS approaches to common pediatric challenges
Rita Agarwal, MD, FAAP, FASA
Clinical Professor of Anesthesiology, Stanford University, School of Medicine
Past President Society for Pediatric Pain Medicine

Jane Ahn, MD
Associate Clinical Professor, University of California, Irvine

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Harriet Hopf, MD
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Managing Director, Private Practice

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Associate Clinical Professor, Anesthesiology & Perioperative Medicine, UCLA

Solmaz Nabipour, MD
Stanford University

Olubukola Nafiu, MD, FRCA, MS
Associate Professor, Nationwide Children’s Hospital

Tariq Naseem, MD
Cedars Sinai Medical Center

Iona Pasca, MD, FCCM
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THANK YOU TO OUR FACULTY

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Director, Center for the Rehabilitation of Pain Syndromes, UCLA

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Clinical Professor, University of California Davis

Sheila Rajashekra, MD
Rady Children’s Hospital

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Robert Wailes, MD
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Jennifer Woodbury, MD, MBA
Assistant Clinical Professor, UC San Francisco

Others/non-academic faculty already show their affiliations
The following faculty made the following financial disclosures. If not listed here, the faculty had no relevant financial relationships to disclose. In accordance with ACCME Standards for Integrity and Independence in accredited continuing education, course directors, planners, moderators, faculty, and all others in control of the educational content of the activity must disclose all financial relationships with ineligible companies that they may have had in the last 24 months. All listed relevant financial relationships with ineligible companies for individuals in control of content have been mitigated.

**Alyssa Brzenski, MD**  
Disclosure: Research Grant - Merck

**Randall Clark, MD, FASA**  
Disclosure: Shareholder - General Electric Co. (current); Bolder Surgical, LLC (ended Nov. 2021)

**Rodney Gabriel, MD, MAS**  
Disclosure: Research Grant - DOD; Consulting Fees - Avanos; Contract Research - Epimed, Infutronix, SPR Therapeutics

**Ronald George, MD, FRCPC**  
Disclosure: Advisory Board - Octapharma

**Nirav Kamdar, MD, MPH, MBA**  
Disclosure:  
Owner: HAI Solutions LLC; Heartcloud Inc.  
Consultant: HAI Solutions, LLC; Heartcloud Inc.  
Stock Options: HAI Solutions, LLC  
Stock: HAI Solutions, LLC, Healthcloud, Inc.  
Perceptive Medical, LLC  
Speakers Bureau: Medtronic

**Michael Leong, MD**  
Disclosure: Research Grant - Wex Pharmaceuticals; Consulting Fees - Sorrento Therapeutics

**Carlos Pino, MD, FASA**  
Disclosure: Consulting Fees - Mainstay Medical

**Engy Said, MD**  
Disclosure: Research Funding - Epimed International; Infutronix; SPR Therapeutics

**Samir Sheth, MD**  
Disclosure: Speaker Bureau - Medtronic, Boston Scientific; Consulting Fees - Nevro (spinal cord stimulation) Advisory Board - Medtronic

**Robert Wailes, MD**  
Disclosure: Ownership/Equity - ROM Tech

**Mark Wallace, MD**  
Disclosure: Advisory Board - Cleaver Leaves
12:00pm - 4:30pm

Mission

4.5 CME

LEAD FACULTY CHAIR:
Engy Said, MD
Department of Anesthesiology
UC San Diego

DESCRIPTION:
This workshop will be dedicated to the acquisition of basic perioperative point of care ultrasound skills and provide an update on latest regional ultrasound-guided peripheral nerve blocks. The workshop will offer training on a “whole-body” ultrasound examination designed to expand all anesthesiologists’ skills with cardiac, pulmonary, abdominal, and vascular ultrasound. The workshop will also cover the latest topics in regional anesthesia including fascial plan blocks, PECS blocks, adductor canal, popliteal, as well as review traditional ultrasound guided nerves blocks. Most of the time will be devoted to hands-on training and a mini lecture per station.

SESSION LEARNING OBJECTIVES:
Review the use of point of care ultrasound in the perioperative medicine setting with a primary focus on the expansion of the utility of ultrasound for the general anesthesiologist.

• Learn fundamental cardiac, pulmonary, abdominal, vascular, and airway point of care ultrasound topics under a validated perioperative educational curriculum (FORESIGHT: (Focused periOperative Risk Evaluation Sonography Involving Gastro-abdominal, Hemodynamic, and Trans-thoracic ultrasound.)

• Highlight the latest regional ultrasound procedures and provide review of traditional ultrasound guided nerve blocks.

• Provide substantial hands-on training to both regional anesthesia and point of care ultrasound topics.
THURSDAY, APRIL 7, 2022
12:00 pm - 6:00 pm
REGISTRATION OPEN
Regatta Pavilion

12:00 pm - 4:30 pm
MOCA
OPTIONAL WORKSHOP (4.5 CME)
Mission
POCUS
Engy Said, MD; Rodney Gabriel, MD, MAS; Matthew Swisher, MD; Eva Boyd, MD; Jay Shen, MD; Baher Boctor, MD, FASA; Kyle Ahn, MD; Jane Ahn, MD; Rana Movahedi, MD, FASA; Rachel Outterson, MD

1:00 - 6:00 pm
EXHIBITOR SET UP

CSA Committee Meetings:
All committee meetings are held in Belmont, Mariner Point or Crown Point rooms (see signs outside rooms for meeting assignment)

1:00 - 2:30 pm
Membership Committee
History Committee

2:30 - 4:00 pm
Educational Programs Division
Global Health Committee
Task Force on Women in Anesthesia

4:00 - 5:30 pm
Committee on Public & Professional Communications
Practice Management Committee
CSA Foundation Board

5:30 - 7:00 pm
Finance & Administration Committee
Resident Representation

6:00 - 7:00 pm
JEDI Committee

7:30 - 9:00 pm
Legislative Affairs Committee

9:00 - 9:30 pm
GASPAC Board

FRIDAY, APRIL 8, 2022
7 CME Total
7:00 am - 7:00 pm
REGISTRATION AND EXHIBITS OPEN
Regatta Pavilion

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

7:30 am
WELCOME
Bayview Ballroom

7:40 am - 9:40 am
MOCA
ACUTE PAIN/REGIONAL
7:40 - 8:40 am
Trunk Blocks for Abdominal Surgery: Thoracic Epidurals, Lidocaine Infusions
Rana Movahedi, MD, FASA; Kyle Ahn, MD

8:40 - 9:40 am
Regional Blocks for Breast/Chest Wall: Serratus Anterior Plan Blocks, Pec Blocks
Engy Said, MD; Baher Boctor, MD

9:40 am - 10:00 am
BREAK

10:00 am - 12:00 pm
MOCA
OB ANESTHESIA UPDATE
10 - 10:30 am
CSE DPE EPI
The Alphabet of Labor Analgesia Initiation
Ronald George, MD, FRCPC

10:30 - 11:00 am
Oh No! A Bad Epidural and a Terrible Tracing? Managing Problematic Epidural Catheters in Labor and Urgent Cesarean Delivery
Jennifer Woodbury, MD, MBA

11:00 - 11:30 am
Post cesarean delivery analgesia: Is there a gold standard
Pervez Sultan, MBCHB, FRCA, MD

11:30 - 12:00 pm
Postpartum Headaches - What are they and how to manage
Cristina Gutierez, MD

12:00 pm - 1:15 pm
LUNCH AND POSTERS JUDGING IN EXHIBIT HALL
(Lunch Provided)

12:00 pm - 1:15 pm
PROGRAM DIRECTORS LUNCH
Belmont

1:15 pm - 3:30 pm
MOCA
CARDIAC AND CRITICAL CARE
1:15 - 1:45 pm
Vads Management for Non-Cardiac Surgery
Tariq Naseem, MD
1:45 - 2:15 pm  Atrial Fibrillation Updated Perioperative Management
Milad Sharifpour, MD

2:15 - 2:45 pm  Tips and Tricks for Managing Cardiac Disease for Non-Cardiac Surgery
Ioana Pasca, MD, FCCM

2:45 - 3:15 pm  ARDS: An Update for Anesthesiologists
Jay Shen, MD, FCCM

3:15 - 3:30 pm  Q&A

3:30 pm - 3:45 pm  BREAK WITH POSTERS

3:45 pm - 5:00 pm  ORAL ABSTRACTS
Moderator: Ashley Broussard, MD

A DECADE OF COMBINED PEDIATRICS-ANESTHESIOLOGY RESIDENCY PROGRAMS: THE EDUCATIONAL AND PROFESSIONAL BENEFITS
Presenter: Clarice Nguyen, MD, Stanford University

ENHANCED RECOVERY AFTER SURGERY (ERAS) AND PERCUTANEOUS NEPHROLITHOTOMY: A PROSPECTIVE STUDY OF QUALITY OF LIFE AND POSTOPERATIVE OPIOID REQUIREMENT
Presenter: Carol B. L. Girgiss, UC San Diego

FORTUNE FAVORS THE PREPARED MIND: THE FIRST USE OF IV DANTROLENE TO TREAT MALIGNANT HYPERTHERMIA IN AN ADULT PATIENT
Presenter: Todaporn “Bob” Rodbumrung, MD, Stanford University

INNOVATING HEALTH SYSTEMS SCIENCE EDUCATION IN THE FOURTH YEAR OF MEDICAL SCHOOL
Presenter: John Sapunor, BS, University of Rochester School of Medicine and Dentistry

OBSERVATIONAL OPIOID USE DISORDER SIMULATION
Presenter: Rebecca Shen, BS, Duke University

OPTIMAL USE OF DEXMEDETOMIDINE FOR AMBULATORY DRUG INDUCING SLEEP ENDOSCOPY
Presenter: Lichy Han, MD, PhD, Stanford University School of Medicine

ASSISTED LAPAROSCOPIC PROSTATECTOMY: A QUALITY IMPROVEMENT COMPARISON TO CONVENTIONAL OPIOID MANAGEMENT
Presenter: Sonia Wraich, BS, Loma Linda University Medical Center

PREDICTION OF SURGICAL SITE COMPLICATIONS WITH SINGLE-CELL AND PLASMA PROTEOMIC MODELING
Presenter: Amy Tsai, BA, UC Davis School of Medicine

SUPRAZYGMOMATIC MAXILLARY NERVE BLOCK FOR PEDIATRIC ADENOTONSILLECTOMY: A RANDOMIZED CONTROL TRIAL
Presenter: Steven Abboud, MD, Stanford University

5:00 pm - 6:00 pm  TOP MOST INFLUENTIAL RECENT ARTICLES IN ANESTHESIOLOGY
Moderated by Ashley Broussard, MD

6:00 pm  OPENING RECEPTION
Regatta Pavilion

7:00 pm  GASPAC DONOR RECEPTION
(Invitation Only)
Sunset Terrace

SATURDAY, APRIL 9, 2022
8.75 CME Total

7:00 am - 5:30 pm  REGISTRATION OPEN
Regatta Pavilion

7:00 am - 3:30 pm  EXHIBITS OPEN
Regatta Pavilion

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

7:30 am - 9:30 am  WHY DIVERSITY MATTERS IN ANESTHESIA PANEL
Bayview Ballroom

7:30 – 8:00 am  Why Leaders Must Create a Culture of Diversity
Harriet Hopf, MD
8:00 – 8:15 am  The Multifactorial Etiology of the Compensation Disparity Between Men and Women in Anesthesiology  
Linda Hertzberg, MD, FASA

8:15 – 8:45 am  Racial Disparity in Pediatric and Surgical Outcomes: Looking Beyond the Numbers  
Olubukola Nafiu, MD, FRCA, MS

8:45 – 9:00 am  How to Recognize and Combat Bias and Micro-Aggressions  
Odi Ehie, MD, FASA

9:00 – 9:15 am  Mentorship and Community Building: Investing in a Sustainable Future  
Solmaz Nabipour, MD

9:15 – 9:30 am  Panel Q&A

9:30 am – 9:45 am  Break and Posters Judging

9:45 am – 10:15 am  ASA Update  
Randall Clark, MD, FASA

10:15 am – 11:00 am  Leffingwell Speaker: Reimagining Anesthesiology  
Karen Sibert, MD, FASA

11:00 am – 12:00 pm  Developing the Next Generation of Physician Investigators  
Harriet Hopf, MD

12:00 pm – 12:30 pm  Lunch Break (on own)

12:30 pm – 3:30 pm  Practice Management  
12:30 – 1:15 pm  Leading through Change: CMA Practice Affairs Initiatives for 2022  
Robert Wailes, MD, President-Elect, California Medical Association

1:15 – 1:45 pm  Scope Expansion and Title Misappropriation Initiative  
Christopher Trice, MD, FASA

1:45 – 2:15 pm  Creating Anesthesiologist-Led Value  
Nirav Kamdar, MD

2:15 – 2:45 pm  Surprise Billing Policies and Anesthesiologist Payment  
Erin Duffy, PhD, MPH

2:45 – 3:30 pm  Surprise Billing Panel Discussion  
Erin Duffy, PhD, MPH  
Robert Wailes, MD  
Dale Skoff: BA; Brian Jones, MD

3:30 pm – 3:45 pm  Break and Posters

3:45 pm – 5:45 pm  Common Challenges in Pediatric Patients

3:45 – 4:00 pm  Perioperative Management of the Pediatric Patient with Chronic Pain  
Rita Agarwal, MD, FAAP, FASA

4:00 – 4:15 pm  8-year-old with femur fracture and obesity—what are the risks?  
Olubukola Nafiu, MD, FRCA, MS

4:15 – 4:30 pm  Tricks of the trade for tonsillectomy management  
Pragati Rohatgi, MD

4:45 – 5:00 pm  Asymptomatic Covid positive patient for elective surgery—when to cancel?  
Alyssa Brezinski, MD

5:00 – 5:15 pm  Cardiac patient for non-cardiac surgery  
Sheila Rajashehra, MD

5:15 – 5:30 pm  Differences between pediatric private practice and academics  
Randall Clark, MD, FASA

5:30 – 5:45 pm  Panel Discussion
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| 6:00 pm - 7:00 pm | **CSA RECEPTION WITH INVITED GUESTS**  
|               |  
|              | Cabanas                                                             |                        |
| 7:00 pm      | **CSA PRESIDENT’S DINNER**  
|              |  
|              | Red Marlin                                                           |                        |
| SUNDAY, APRIL 10, 2022 |                                                                 |                        |
| 7:30 am      | **REGISTRATION OPENS**  
|              |  
|              | Bayview Foyer                                                       |                        |
| 8:00 am - 1:00 pm | **CSA PAIN DAY** (5 CME)  
|               |  
|               | Bayview Ballroom                                                    |                        |
| 8:00 am - 8:30 am | **Telehealth and Pain Management: The Impact of the Pandemic and Future Directions**  
|               |  
|               | Ravi Prasad, MD                                                     |                        |
| 8:30 am - 9:00 am | **Transitional pain service**  
|               |  
|               | Ed Mariano, MD, MAS, FASA                                           |                        |
| 9:00 am - 9:30 am | **Buprenorphine for acute and chronic pain management**  
|               |  
|               | Tiffany Mathias, MD, MBA                                            |                        |
| 9:30 am - 10:00 am | **Long COVID and Chronic Pain**  
|               |  
|               | Michael Leong, MD; Aric Steinmann, COL, MD, SFS                     |                        |
| 10:00 am - 10:15 am | **Discussion/Q&A**  
|               |  
| 10:15 am - 10:30 am | **BREAK**  
|               |  
| 10:30-11:00 am | **Peripheral nerve stimulation for Acute and Chronic Pain Management**  
|               |  
|               | Samir Sheth, MD                                                     |                        |
| 11:00-11:30 am | **Cannabinoid Use in Perioperative Care: Expert Consensus Based Guidelines**  
|               |  
|               | Mark Wallace, MD                                                    |                        |
| 11:30 am - 12:00 pm | **Medical Legal Issues and Pain Management**  
|               |  
|               | Mark Wallace, MD                                                    |                        |
| 12:00 pm - 12:30 pm | **Low Back Pain and Spaceflight: Intersection of Pain and New Ways of Travel**  
|               |  
|               | Carlos Pino, MD, FASA                                               |                        |
| 12:30 pm - 1:00 pm | **Is Outpatient Ketamine Use a Slippery Slope?**  
|               |  
|               | Joshua Prager, MD, MSA                                              |                        |
| 1:00 pm - 1:15 pm | **DISCUSSION/Q&A**  
|               |  
| 1:15 pm       | **ADJOURN**                                                         |                        |
| 1:30 pm - 5:00 pm | **CSA Board of Directors Meeting**  
|               |  
|               | Mission Ballroom                                                    |                        |
MARK YOUR CALENDAR

2022 CSA SUMMER MEETING
July 18-23, 2022
Four Seasons Ko‘Olina, Oahu

2022 CSA FALL MEETING
November 14-18, 2022
Fairmont Orchid, Big Island

2023 CSA WINTER MEETING
January 23-27, 2023
Maui Westin, Kaanapali

FOLLOW US ON SOCIAL MEDIA!
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