

CME
A MAXIMUM OF 21.25
AMA PRA Category 1 Credits™



17TH ANNUAL EMERGENCY MEDICINE UPDATE HOT TOPICS 2022

November 2-6, 2022

Wednesday - Sunday

Fairmont
ORCHID

Sponsored by:
UC Davis Health
Department of Emergency Medicine

OUR WORLD CLASS FACULTY



Lisa Mills, MD, FAAEM
Conference Chair

Dr. Mills is an Emergency Medicine physician and has completed a fellowship in point of care US. She has particular interest in the development and maintenance of US programs. She is well-published on the topic of point of care US. In addition, Dr. Mills created and maintained US programs several times in the setting of natural disasters.



Verena Schandera, MD
Conference Co-chair
Assistant Professor

Dr. Schandera completed an Emergency Airway Management fellowship after an Emergency Medicine residency. During this fellowship, she broadened her skills and understanding of all airway related things. She teaches nationally and internationally, specifically in the fields of adult and pediatric airway management. During the COVID pandemic, she was key in implementing novel airway devices to contain aerosolized matter.



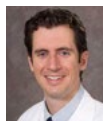
Emily Andrada, MD, FAAP
Conference Education Director
Professor, Pediatric Emergency Medicine

Dr. Andrada completed her general Pediatric residency at UC Davis and continued on to Brown University's Hasbro Children's Hospital for her Pediatric EM fellowship. She earned the award of Clinical Teacher of the Year and the Academic Teacher of the Year multiple times. She earned the Emergency Medicine Award for Excellence, twice. Dr. Andrada's interests center around medical education, specifically optimizing evidenced-based strategies and novel educational technology. You can find her every evening of this conference enjoying a shave ice at Ululani's. Let her know if you want to hitch a ride.



Daniel K. Nishijima, MD, MAS
Associate Professor of Emergency Medicine

Dr. Nishijima is the Associate Research Director in the Department of Emergency Medicine at UC Davis. His research focuses on the management of patients with acute traumatic or neurological emergencies, particularly those with coagulation disorders. Dr. Nishijima has prior expertise in the design, development, and implementation of emergency care adult and pediatric clinical trials. He is widely published in these areas. He also serves as the Medical Director for the UC Davis Clinical Research Center and Trial Innovation Network.



Sam Clarke, MD, MAS, FACEP

Dr. Clarke is a researcher and expert in medical education. I joined the faculty at UC Davis in 2012, after completing residency and fellowship training at Harbor-UCLA. I am a frequent lecturer and have a particular interest in radiographic imaging and the management of cardiovascular emergencies.



Daniel K. Colby, MD
Assistant Professor
Division of Medical Toxicology

Dr. Colby is board certified in Emergency Medicine, Medical Toxicology, and Addiction Medicine. He leads the UC Davis Substance Use Intervention Team. His practice included medical treatment of substance disorders, including the use of buprenorphine. His Toxicology practice involves patients at UC Davis and taking call for the California Poison Control System.



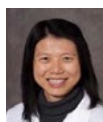
Trevor Mills, MD, MPH

Dr. Mills is the Chief of Emergency Medicine at the Veterans Administration Northern California Health Care System. He is the Lead Physician for Emergency Medicine, VISN 21. He has practiced Emergency Medicine in a host of environments and has a storied career in the field. He remains active in clinical Emergency Medicine the Emergency Departments of the Veterans Administration and UC Davis Health. He also coordinates care for thousands of veterans in VISN 21 of the Veterans Administration.



Erik Laurin, MD
Professor
Vice Chair for Education, Department of Emergency Medicine

Dr. Laurin completed his residency in Emergency Medicine at the UC Davis Medical Center. He focuses his research and interests on emergency airway management, procedural sedation and analgesia, and cardiocerebral resuscitation.



Mary Bing, MD, MPH
Associate Professor
Director of Preclinical Programs in the Department of Emergency Medicine at UC Davis

Dr. Bing completed her residency in Emergency Medicine at New York-Presbyterian Hospital of Columbia and Cornell Emergency Medicine Residency Program, and received her MPH from the Harvard University School of Public Health. Dr. Bing's clinical interests include: Emergency and wilderness medicine and medical education.



Nathan Kuppermann, MD, MPH

Featured Faculty

Distinguished Professor, Departments of Emergency Medicine and Pediatrics
Bo Tomas Brofeldt Endowed Chair, Department of Emergency Medicine,
University of California, Davis School of Medicine

Dr. Kuppermann is a pediatric emergency medicine (PEM) physician and clinical epidemiologist, and a leader in emergency medical services for children, particularly in multicenter research. Research foci for which he is a leading national investigator include 1) infectious emergencies in children including the laboratory evaluation of young febrile children, 2) the evaluation of children at risk of diabetic ketoacidosis-related cerebral injury, and 3) the laboratory and radiographic evaluation of the pediatric trauma patient. His focus is on clinical trials and clinical prediction rules using large cohorts of acutely ill and injured children. He has published works in all three focus areas in high-impact journals such as the *New England Journal of Medicine*, *JAMA*, *BMJ*, and *The Lancet*.

TARGET AUDIENCE

The target audience includes practitioners who provide care in urgent and emergent settings, including physicians, physician assistants, nurse practitioners, nurses, and pharmacists.

WHY YOU SHOULD ATTEND

Health care is changing rapidly. Urgent and emergent conditions require rapid, accurate diagnosis and treatment decisions. This educational activity provides opportunity for attendees to learn about current and progressive trends in the practice of emergent, urgent, and critical care. The course provides a setting where attendees will practice their own decision-making and manual skills with concurrent feedback and instruction. The design is short, high yield sessions with audience participation. The course will enhance practitioner competencies in intoxications, stroke and neurological emergencies, airway management with state of the art technology, pediatric care, point-of-care ultrasound, EKG interpretation, resuscitation, and imaging in emergent conditions.

EDUCATIONAL METHODS

- Interactive lectures with expert panels will be utilized to facilitate dissemination of cutting-edge information.
- Case studies and discussions will highlight conditions that are challenging in clinical practice.
- Expert panel discussions will provide an opportunity for experts to present differing viewpoints on audience-driven topics.
- Hands-on skill workshops allow attendees to develop technical skills with real time feedback and instruction.

EDUCATIONAL OBJECTIVES

At the end of this activity, participants should be able to:

- Diagnose stroke.
- Treat patients who are taking buprenorphine.
- Discharge patients with pulmonary embolism.
- Identify non-stroke presentations.
- Utilize contemporary equipment in intubation.

CONFERENCE REGISTRATION

Please register early – space is limited. Tuition is \$825 for physicians and \$725 for all others (pre-pandemic registration rates). **Confirmation of registration will be sent within two weeks after receipt of registration form.** The fees will increase after Friday, September 30, 2022. Please contact events@ucdavis.edu if you are interested in daily registration rates or a guest meal pass.

Register online at: <https://ces.ucdavis.edu/emh2022>

Tuition includes continental breakfasts, refreshment breaks, electronic syllabus, and a certificate of attendance. Tuition may be paid by check, American Express, Discover, MasterCard or VISA. Cash is not accepted. UC Davis reserves the right to cancel this conference. In such a case, a full refund of tuition will be given. **Registration forms received without payment will not be processed until payment is received.**

Cancellation and Refund Policy: A refund of tuition, less \$75 administrative fee, will be allowed if requested in writing by Friday, September 30, 2022. No refunds will be provided after this date. Send cancellations to events@ucdavis.edu.

ACCREDITATION

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American Academy of Emergency Medicine (AAEM) and UC Davis. AAEM is accredited by the ACCME to provide continuing medical education for physicians.



CREDIT DESIGNATION

The American Academy of Emergency Medicine designates this live activity for a maximum of 21.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

CME KEY

Geri – Geriatric Pain – Pain Management Ped – Pediatrics
Pul – Pulmonary Stroke – Stroke



17TH ANNUAL EMERGENCY MEDICINE UPDATE: HOT TOPICS 2022

Wednesday, November 2, 2022

- 6:30 am** Registration, Continental Breakfast, Visit Exhibits
- 7:25 – 7:30** **Welcome and Introduction**
Lisa Mills, MD, FAAEM
- 7:30 – 7:45** **Warm Up Quiz**
Lisa Mills, MD, FAAEM
- 7:45 – 8:20** **CASE: Evaluating the Vomiting Infant** ^{Ped}
Lisa Mills, MD, FAAEM
- 8:20 – 9:20** **Lecture**

- 1. Critical Decisions in Pediatric Abdominal Pain** ^{Ped}
Lisa Mills
- 2. CT or US: Imaging in Pediatric Abdominal Pain** ^{Ped}
Lisa Mills
- 3. Evidence-Based Pediatric DKA Treatment** ^{Ped}
Nathan Kuppermann
- 4. ATS/ISDA Community Acquired Pneumonia 2021 Guidelines** ^{Geri Pul}
Verena Schandera

- 9:20 – 9:40** **Clues on Pediatric Abdominal Imaging** ^{Ped}
Lisa Mills, MD, FAAEM
- 9:40 – 9:55** **Retrieval Quiz**
- 9:55 – 10:00** **Break**
- 10:00 – 10:15** **Warm Up Quiz**
Lisa Mills, MD, FAAEM
- 10:15 – 10:50** **CASE: Stressed Out: Emergencies in Pulmonary Hypertension** ^{Pul}
Sam Clarke
- 10:50 – 11:50** **Lecture**

- 1. The New Kid on the Block: Pediatric Pulmonary Embolism** ^{Ped Pul}
Lisa Mills
- 2. Emergent Interventions in Pulmonary Hypertension** ^{Pul}
Sam Clarke
- 3. Discharging Pulmonary Embolism** ^{Pul}
Lisa Mills
- 4. Disposition Decisions in Pulmonary Hypertension** ^{Pul}
Sam Clarke

- 11:50 – 12:10** **Hot Off the Press: Pediatric Fever Guidelines** ^{Ped}
Nathan Kuppermann
- 12:10 – 12:25** **Retrieval Quiz**
- 12:25 – 1:00** **Faculty Panel Q & A - All Faculty**

Thursday, November 3, 2022

- 6:30 am** Registration, Continental Breakfast, Visit Exhibits
- 7:25 – 7:30** **Announcements**
Lisa Mills, MD, FAAEM
- 7:30 – 7:45** **Warm Up Quiz**
Lisa Mills, MD, FAAEM
- 7:45 – 8:20** **CASE: Stroke Mimics: Don't Get Fooled** ^{Stroke}
Daniel Nishijima
- 8:20 – 9:20** **Lecture**

- 1. Anticoagulant Reversal Made Easy** ^{Stroke Geri}
Daniel Nishijima
- 2. Does This Patient Have Large Vessel Occlusion Stroke?** ^{Stroke Geri}
Daniel Nishijima
- 3. TIA: What is it Now?** ^{Stroke}
Sam Clarke
- 4. Status Epilepticus: Evidence Based Approach** ^{Stroke}
Daniel Nishijima

- 9:20 – 9:40** **Saving 1.2 Billion Neurons: Time-Based Interventions in Stroke** ^{Stroke}
Daniel Nishijima
- 9:40 – 9:55** **Retrieval Quiz**
- 9:55 – 10:00** **Break**
- 10:00 – 10:15** **Warm Up Quiz**
Lisa Mills, MD, FAAEM
- 10:15 – 10:50** **CASE: Success in Chronic Pain** ^{Pain}
Daniel Colby
- 10:50 – 11:50** **Lecture**

- 1. To CT or Not to LP: Updates in Headache** ^{Stroke}
Sam Clarke
- 2. Syncope: Who Can't Go Home** ^{Stroke Geri}
Daniel Nishijima
- 3. Managing Acute Pain in Patients Taking Buprenorphine** ^{Pain}
Daniel Colby
- 4. Decisions in Pediatric Head Trauma** ^{Ped}
Nathan Kuppermann

- 11:50 – 12:10** **Clinical Decisions in Pediatric Headache** ^{Ped Stroke}
Nathan Kuppermann
- 12:10 – 12:25** **Retrieval Quiz**
- 12:25 – 1:00** **Faculty Panel Q & A - All Faculty**

Register online at <https://ces.ucdavis.edu/emh2022>



17TH ANNUAL EMERGENCY MEDICINE UPDATE: HOT TOPICS 2022

Friday, November 4, 2022

No Activity

Saturday, November 5, 2022

6:30 am

Registration, Continental Breakfast, Visit Exhibits

7:25 – 7:30

Announcements

Lisa Mills, MD, FAAEM

7:30 – 12:45

Workshops

1. Literature Review: Small group discussion of contemporary practice changing publications with Dr. Nate Kuppermann, national researcher published in all leading journals, founding chair of the Steering Committee of the Pediatric Emergency Care Applied Research Network, prior chair of the Executive Committee of the (global) Pediatric Emergency Research Network, and recipient of national research awards from HRSA, SEAM, ACEP. *Ped*

2. Ultrasound in Dyspnea: Discussion and hands on time with ultrasound machines to identify key cardiac and lung findings to guide care of the critically ill patient with dyspnea. *Pul*

3. Intoxicating EKGs: Discussion of EKGs patterns in poisoning and critical EKG findings for all patients with Dan Colby, toxicologist.

4. Difficult Airways and Ventilation Tips: Small group hands on time with equipment and intubating mannequins with multiple instructors. State of the art equipment and review of challenging airway cases. *Ped Geri Pul*

5. Brain Game: Learn to identify key head CT findings in neurologic emergencies to expedite care for critically ill patients. *Stroke*

Sunday, November 6, 2022

6:30 am

Registration, Continental Breakfast, Visit Exhibits

7:25 – 7:30

Announcements

Lisa Mills, MD, FAAEM

7:30 – 7:45

Warm Up Quiz

Lisa Mills, MD, FAAEM

7:45 – 8:20

CASE: Airway Adventures *Pul*

Verena Schandera – all Faculty?

8:20 – 9:20

Lecture

1. Positive Pressure Ventilation in Infants: CPAP or High Flow *Ped Pul*

Verena Schandera

2. Supraglottic Airways in the ED *Ped Geri Pul*

Verena Schandera

3. So Sour: Metabolic Acidosis

Daniel Colby

4. Optimizing Intubation Physiology *Pul Geri*

Lisa Mills

9:20 – 9:40

What the Nose Knows: End Tidal Waveform Analysis *Pul*

Verena Schandera

9:40 – 9:55

Retrieval Quiz

9:55 – 10:00

Break

10:00 – 10:15

Warm Up Quiz

Lisa Mills, MD, FAAEM

10:15 – 10:50

CASE: Excited Delirium *Geri*

Daniel Colby

10:50 – 11:50

Lecture

1. Airways in Altered Mental Status *Pul*

Verena Schandera

2. Not So Fast: Medications to Avoid in Excited Delirium *Geri*

Daniel Colby

3. Updates in Alcohol Withdrawal

Daniel Colby

4. Sleeping or Seizing? Non-Convulsive Status Epilepticus *Stroke*

Daniel Nishijima

11:50 – 12:10

Buprenorphine: What Do I Do? *Pain*

Daniel Colby

12:10 – 12:25

Retrieval Quiz

12:25 – 1:00

Faculty Panel Q & A - All Faculty

CME Key

Geri – Geriatric

Pain – Pain Management

Ped – Pediatrics

Pul – Pulmonary

Stroke – Stroke

Register online at <https://ces.ucdavis.edu/emh2022>

LOCATION



1 North Kaniku Drive Kohala Coast
Waimea, HI 96743
Phone: 808-885-2000



- Special rates have been negotiated for conference attendees, starting at \$379 per night plus applicable taxes and fees. Rates are based on double occupancy and an additional charge of \$75 per adult per night will apply for additional guests. Please note that the resort fee has been discounted 50% to \$20/night plus tax.

ROOM RATES - SINGLE/DOUBLE RATE

Fairmont Garden View Rooms	\$379
Partial Ocean View Rooms	\$429
Ocean View Rooms	\$469

- Reservations are due before October 3, 2022 to receive the special group rate. Requests received after October 3, 2022 will be accepted on a space available basis at the Best Available Rate.

MAKING RESERVATIONS

Please call The Fairmont Orchid Reservations Department at 1-800-659-4100 or the Global Reservations Centre at 1-800-441-1414. Please identify yourself as an attendee of the UC Davis-Emergency Medicine: Hot Topics for ease of booking. All reservations will require a two (2) nights deposit plus tax. You may also make reservations online at <https://book.passkey.com/e/50345489>.

DEPOSITS AND CANCELLATIONS

When reservations are made, the hotel will require a deposit equal to two night's room rate and tax for each reservation. Cancellation of individual reservations made up to 30 days prior to arrival will be accepted, and the deposit refunded for those rooms for the full night's stay. For reservations cancelled within 30 days prior to arrival, individuals will be responsible for 100% of room revenue to be billed to the individual credit card on file.

COMPLIMENTARY SERVICES

- Overnight self-parking for one vehicle per room (Fairmont Gold guests receive valet parking for one vehicle per room).
- Unlimited basic WiFi access in guest rooms and public areas (ALL members receive an upgrade to premium speed internet access and ALL Platinum members receive \$20 credit towards spa services).
- Wellness classes (please see our weekly complimentary wellness offerings at the Spa Without Walls).
- Complimentary shuttle bus service within the Mauna Lani Resort area.
- Two Fairmont Orchid reusable water bottles per room, per stay, to be filled at purified water stations located throughout the resort. It's part of our Planet 21 sustainability pledge to reduce single-use plastics and minimize our carbon footprint.
- Hawaiian Cultural Classes & Resort Activities (please see our weekly activity schedule at the Concierge).
- Lei greeting upon arrival.
- Complimentary snorkel equipment rental for one hour (available to each guest, per day—resort use only). Guests who purchase Fun & Sun passes may sign out snorkel equipment multiple times per day.
- 45-minute photo session with Pacific Dream Photography (reservations required, photos available for purchase).
- Unlimited North America Long Distance Calls (Canada & America).
- Stargazing sessions courtesy of Star Gaze Hawai'i, which offer guests a personal guided tour of the constellation (weekly).
- Storytelling sessions which share the legends and lore unique to the Island of Hawai'i (weekly).
- Hui Holokai Beach Club Activities (subject to change based on the time and day) including hula lessons, petroglyph hikes, turtle talk session, ti leaf lei making, 'ukulele lessons, introduction to Hawaiian Outrigger Canoe Paddling and coconut palm frond weaving.
- Snorkel equipment rental (based on two sets per room, per day—resort use only).
- Special seasonal activities and resort programming (please see seasonal activity guide and resort guide).

CHECK-IN AND CHECK-OUT

Check-in time is 4:00 p.m. Every effort is made to accommodate guests arriving before the check-in time, however, rooms may not be immediately available. Check-out time is 11:00 AM. Requests to retain rooms beyond that hour should be directed to the Front Desk once the delegate is registered. Should it be possible to extend a late check-out, a late departure charge may be applicable.

The hotel charges an Early Departure Fee equivalent to the room rate for one (1) night for guests who depart prior to their confirmed departure date. Guests will be able to change their departure date to an earlier date without charge up to and including the time of registration.

AIR TRAVEL

Kona International Airport (KOA) is the primary airport on the Island of Hawai'i.



**17TH ANNUAL
EMERGENCY MEDICINE UPDATE
HOT TOPICS 2022****November 2-6, 2022**

Wednesday - Sunday

CME 21.25

AMA PRA Category 1 Credits™

***If you cannot attend...
please give brochure to a colleague!*****CONFERENCE HIGHLIGHTS**

- World leaders in Emergency Medicine research, Dr. Nathan Kuppermann and Daniel Nishijima
- Airway lab with neonatal through adult cutting edge airway equipment
- Ultrasound lab included with registration
- Small group discussion of literature with Dr. Kuppermann
- Stroke updates

VENUE HIGHLIGHTS

- Room Rates – Starting at \$379 per night plus applicable taxes.

Welcome to the Big Island of Hawai'i

The island of Hawaii is the youngest and largest island in the Hawaiian chain. Nearly twice as big as all of the other Hawaiian Islands combined (hence, its nickname, "Big Island"), its sheer size is awe-inspiring. You can travel through all but four of the world's different climate zones here, ranging from Wet Tropical to Polar Tundra, a result of the shielding effect and elevations of the massive volcanoes Maunakea and Maunaloa. From the many geological features at Hawaii Volcanoes National Park to the snow-capped heights of Maunakea; from the lush valleys of the Hilo and Hamakua Coasts to the jet-black sands of Punaluu Beach, the island of Hawaii is an unrivaled expression of the power of nature. However you decide to experience the island, it is sure to leave you humbled! Check out the island of Hawaii's regions to explore this vast island. Source: gohawaii.com.

The Kohala Region

The Fairmont Orchid is located on the beautiful Kohala Coast. As you drive 20-minutes north of Ellison Onizuka Kona International Airport, you'll marvel at the rugged lava fields surrounding you. You may not see it from Queen Kaahumanu Highway, but the Kohala Coast is where you'll find some of the island's finest resorts. Nestled amongst the jet-black and rust-red lava rock fields, a result of eruptions from the island's volcanos centuries ago, are green oases full of world-class accommodations, fine dining and some of Hawaii's best golf courses. The sun-drenched Kohala Coast sees an annual average rainfall of only nine inches, so soak in the sun and relax at Hapuna Beach State Park, one of the island of Hawaii's largest white sand beaches, indulge at local restaurants or recharge at a local spa. You'll discover cultural treasures on the Kohala Coast, too, such as the remarkable Puukohola Heiau National Historic Site, the largest restored heiau in Hawaii. Source: The Hawaii Tourism Authority.