

MARCH  
29 – 30  
**2025**

# Stanford Advanced Airway Management Course

Li Ka Shing Center for Learning and Knowledge, Stanford, CA



A Continuing Medical Education Conference  
Presented by Stanford University  
Department of Anesthesiology,  
Perioperative and Pain Medicine



**Stanford** | MEDICINE

SPONSORED BY THE STANFORD UNIVERSITY SCHOOL OF MEDICINE



## ANNUAL STANFORD ADVANCED AIRWAY MANAGEMENT COURSE

This comprehensive, multidisciplinary, state-of-the-art course offers airway training to a national and international audience. It provides participants with the essential evidence-based knowledge and technical skills to manage anticipated and unanticipated difficult airway in the operating room, emergency department, and intensive care unit as well as in diverse clinical settings. The conference integrates various educational formats, including extensive hands-on practice at the stations, didactic lectures, immersive simulation workshops, Lunch and Learn sessions, and expert panel discussions. The course is ideally suited for the anesthesiologists, critical care, emergency medicine, and ENT physicians.

## LEARNING OBJECTIVES

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

1. Integrate into practice effective approaches and strategies for predicting and managing difficult airway, per latest evidence-based medicine data.
2. Apply advanced oxygenation techniques, such as Transnasal Humidified Rapid-Insufflation Ventilatory Exchange (THRIVE).
3. Develop skills for alternative ventilation and oxygenation strategies using supraglottic airway (SGA) devices, flexible scope-assisted SGA-endotracheal tube exchange, and emergency front of neck access (eFONA).
4. Enhance crisis resources management (CRM) skills.
5. Determine proper patient selection and preparation for awake flexible scope intubation (FSI).

## TARGET AUDIENCE

This is an international conference designed to meet the educational needs of physicians specializing in anesthesia, critical care, emergency medicine, head neck surgery, otolaryngology, and pediatrics, as well as Certified Registered Nurse Anesthetists (CRNA) and Emergency Medical Technicians (EMT).



## COURSE HIGHLIGHTS

- Over 30 evidence-based lectures, reviews, and case discussions
- 12 difficult airway stations
- Integrated, 6 station flexible scope intubation course, including preoperative endoscopic airway examination (PEAE)
- Immersive, high fidelity simulation
- Small learning groups with 3 : 1 participant-to-instructor ratio
- Ample time for each participant to practice and acquire new skills
- Case-based discussion and Q & A by a panel of experts

Become a Stanford H&N Anesthesia and Advanced Airway Management Program (SAAMP) insider and benefit from over 25 years of SAAMP's national and international teaching experience. Learn from the experts who teach advanced airway management daily!

## SKILLS STATIONS INCLUDE

- Introducers
- Video laryngoscopes
- Supraglottic airways
- Intubating LMA
- Flexible scope assisted airway exchange techniques
- Video stylets
- Combined video intubation techniques
- Flexible scope evaluation of the lower airway, and lung separation techniques
- Retrograde intubation
- Percutaneous and surgical emergency front of neck access (eFONA)
- Ultrasound-guided access to cricothyroid membrane
- Emergency supraglottic airway ventilation
- SALAD technique of airway decontamination
- Advanced oxygenation techniques (THRIVE)
- Airway exchange catheters and staged extubation
- Pediatric difficult airway
- Difficult airway simulation scenarios

# Faculty *(all faculty are Stanford-affiliated, unless listed otherwise)*

## Course Director

### **Vladimir Nekhendzy, MD**

Clinical Professor of Anesthesiology and, by courtesy, Otolaryngology/Head and Neck Surgery  
Director, Stanford Advanced Airway Management Program  
Past President, Society for Head and Neck Anesthesia

## Course Co-Directors

### **Edward Damrose, MD**

Professor of Otolaryngology/Head and Neck Surgery, and, by courtesy, Anesthesiology  
Chief, Division of Laryngology & Laryngeal Surgery

### **Amit Saxena, MD**

Clinical Assistant Professor of Anesthesiology

## Guest Faculty

### **Hannah Bechtold**

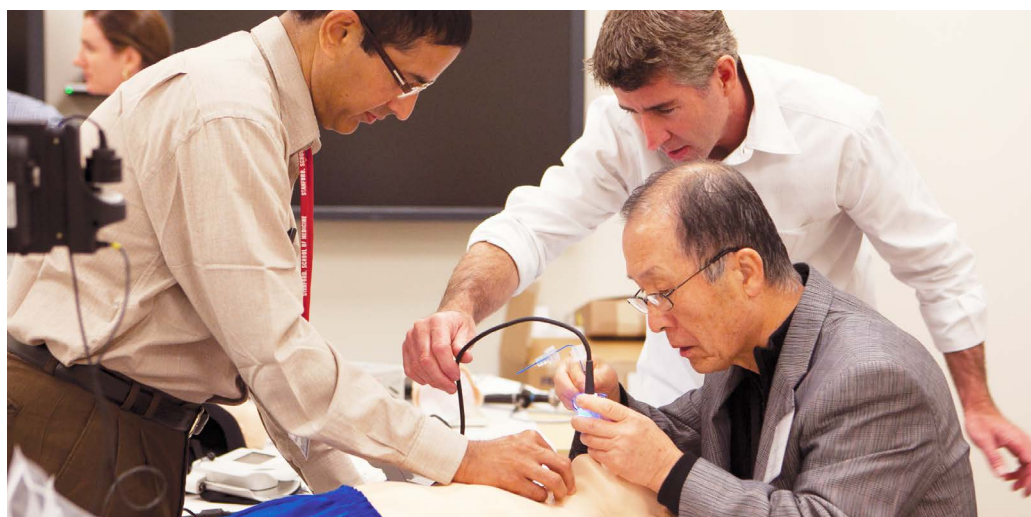
Assistant Clinical Professor  
Department of Anesthesiology and Pain Medicine  
UC Davis Medical Center, Sacramento, CA

### **Daenis Camire, MD, FRCPC, MSChQ**

Assistant Professor  
Department of Anesthesiology and Perioperative Medicine  
Queen's University, Kingston, ON, Canada

### **Jeremy Collins, MD**

Associate Professor of Anesthesiology  
Executive Vice Chair, Department of Anesthesiology  
Emory University School of Medicine, Atlanta, GA



### **James DuCanto, MD**

Adjunct Clinical Professor of Anesthesiology  
University of Wisconsin

### **Annery Garcia-Marcinkiewicz, MD, MSCE**

Assistant Professor of Anesthesiology and Critical Care Medicine  
Co-Director, Difficult Airway Program  
Perelman School of Medicine, University of Pennsylvania  
The Children's Hospital of Philadelphia

### **Michael Kristensen, MD**

Consultant Anaesthetist, Section for Anaesthesia for ENT, Head Neck & Maxillofacial Surgery  
Copenhagen University Hospital, Denmark  
Chair, International Liaisons Committee, Society for Airway Management  
Chair, The Scandinavian International Airway Management Course

## Stanford Faculty

### **Naola Austin, MD**

Clinical Associate Professor of Anesthesiology

### **Carlos Brun, MD**

Clinical Associate Professor of Anesthesiology  
Staff Anesthesiologist and Intensivist  
Veteran's Affairs Palo Alto Health Care System

### **Meihsi Chen, MD**

Clinical Assistant Professor of Anesthesiology

### **Lynn Cintron, MD**

Affiliate, Department of Anesthesia  
Santa Clara Valley Medical Center

### **David Drover, MD**

Professor of Anesthesiology

### **Marc Gautreau, MD**

Clinical Professor, Emergency Medicine

### **Sara Goldhaber-Fiebert, MD**

Clinical Professor of Anesthesiology

### **William Gostic, MD**

Clinical Assistant Professor of Anesthesiology

### **Amit Joseph, MD**

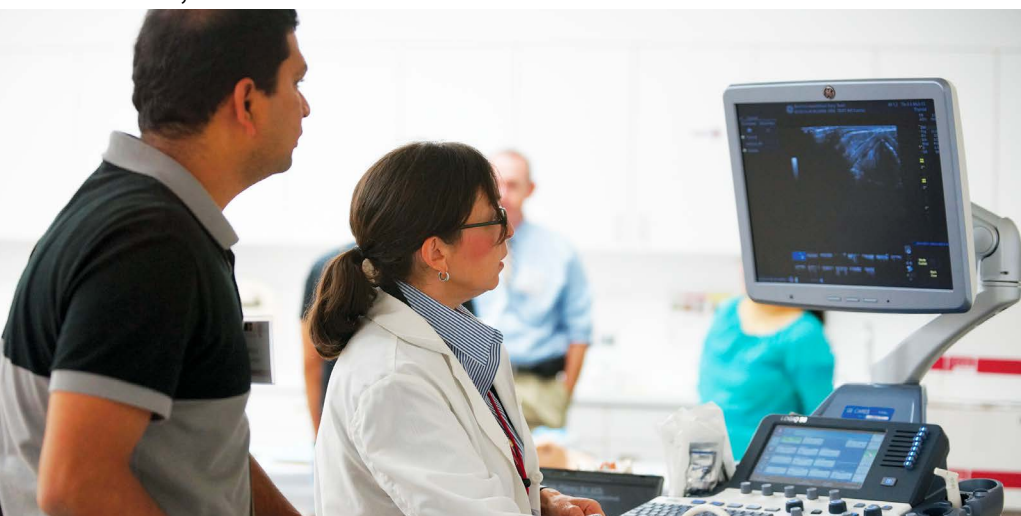
Clinical Assistant Professor of Anesthesiology

### **Laura May, MD**

Clinical Assistant Professor of Anesthesiology

### **James McAvoy, MD**

Clinical Assistant Professor of Anesthesiology



# Faculty Continued

**Fred Mihm, MD**

Professor of Anesthesiology  
Co-Director, Intensive Care Units

**Brita Mittal, MD**

Clinical Associate Professor of  
Anesthesiology

**Michael Montalbaron, MD**

Clinical Instructor & Fellow  
Otolaryngology/Head and Neck  
Surgery

**Bill Mulkerin, MD**

Clinical Associate Professor,  
Emergency Medicine

**Raphael Paulino, MD, PharmD**

Clinical Assistant Professor of  
Anesthesiology

**Rett Quattlebaum, MD**

Clinical Assistant Professor of  
Anesthesiology

**Radhamangalam 'RJ' Ramamurthi, MD**

Clinical Professor of Anesthesiology

**Todsaporn ('Bob') Rodbumrung, MD**

Clinical Instructor of Anesthesiology

**Teresa Roman-Micek, BS**

CHSOS

InterCEPT Program Simulationist

SHC Interventional Platform Education

**Lena Scotto, MD**

Clinical Assistant Professor of  
Anesthesiology  
Staff Anesthesiologist and Intensivist  
Veteran's Affairs Palo Alto Health Care  
System

**Jewel Sheehan, MD**

Clinical Assistant Professor of  
Anesthesiology

**Katie Speirs, MD**

Clinical Instructor of Anesthesiology

**Emily Stockert, MD**

Clinical Assistant Professor of  
Anesthesiology

**John Su, MD**

Fellow, Emergency Medicine

**Patrick Sullivan, MD**

Clinical Assistant Professor of  
Anesthesiology

**Alla Yarmosh, MD**

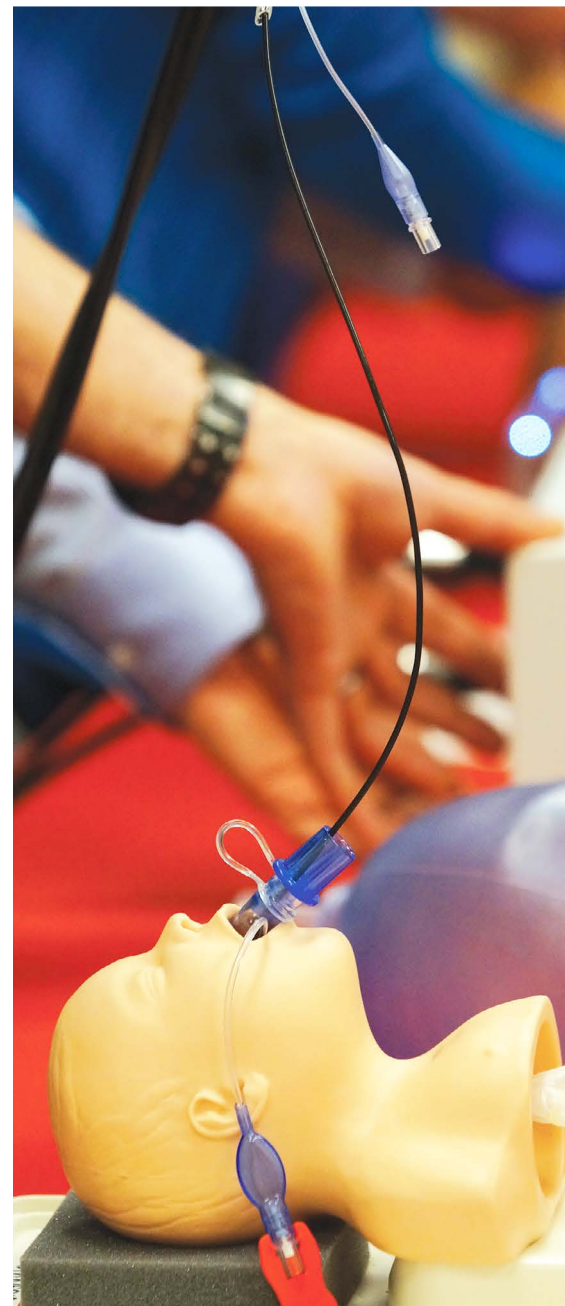
Clinical Assistant Professor of  
Anesthesiology

**Victoria Yin, MD**

Clinical Assistant Professor of  
Anesthesiology

## FACULTY DISCLOSURE

The Stanford University School of Medicine adheres to ACCME Criteria, Standards, and Policies regarding industry support of continuing medical education. Disclosure of faculty and commercial relationships will be made prior to the activity.



Please register early- space is limited!

# Program

Each participant will attend the flexible scope intubation course and 12 difficult airway stations. Each participant will also attend one mini-review and one case-based discussion during the Lunch & Learn Sessions.

## Saturday, March 29, 2025

- 7:00-7:50 am **Registration and Continental Breakfast**
- 7:50-8:00 am **Welcome and Announcements**  
Vladimir Nekhendzy, MD
- 8:00-8:20 am **ASA Difficult Airway Algorithm: Best Practice Strategies for Success**  
Vladimir Nekhendzy, MD
- 8:20-8:35 am **Video Laryngoscopy in Difficult Airway Management**  
Raphael Paulino, MD
- 8:35-8:50 am **Advanced Oxygenation Techniques**  
Jeremy Collins, MD
- 8:50-9:10 am **Pediatric Difficult Airway**  
Annery Garcia-Marcinkiewicz, MD
- 9:10-9:30 am **Extubation of the Difficult Airway**  
Brita Mittal, MD
- 9:30-9:45 am **Break and transition to hands-on**
- 9:45-12:45 pm **Hands-On: Difficult Airway Workshop and Flexible Scope Intubation Course**  
*Breakdown of stations below*
- 12:45 - 12:55 **Transition to lunchroom**

12:55-1:55 pm **Lunch & Learn (14 Mini Reviews)**  
**Please choose one:**

- 1 Difficult Airway in Obstetrics**  
Emily Stockert, MD, Naola Austin, MD, & Alla Yarmosh, MD
- 2 ENT Airway Tools: Operating Laryngoscopes, Rigid Bronchoscope, Tracheostomy Tubes**  
Edward Damrose, MD & David Drover, MD
- 3 Pediatric Video Laryngoscopy**  
RJ Ramamurthi, MD & Jewel Sheehan, MD
- 4 Difficult Airway and Obstructive Sleep Apnea**  
Brita Mittal, MD, Michael Kristensen, MD & Michael Montalbaron, MD
- 5 Lung Isolation in a Patient with the Difficult Airway**  
Rett Quattlebaum, MD, Meihsi Chen, MD & William Gostic, MD
- 6 Supraglottic Airways in Difficult Airway Management**  
Bob Rodbumrung, MD & Annery Garcia-Marcinkiewicz, MD
- 7 Pharmacology for Airway Management in Critically Ill #1**  
Carlos Brun, MD & Amit Joseph, MD
- 8 Rapid Sequence Induction: Full Stomach and Cricoid Pressure Controversy**  
Bill Mulkerin, MD, James DuCanto, MD & John Su, MD
- 9 Adult Video Laryngoscopy**  
Daenis Camire, MD, Amit Saxena, MD & Laura May, MD
- 10 Pharmacology for Airway Management in Critically Ill #2**  
Fred Mihm, MD & Marc Gautreau, MD
- 11 Airway Management Outside of the Operating Room**  
Lena Scotto, MD & Hannah Bechtold, MD
- 12 Difficult Airway and Obesity**  
Jeremy Collins, MD, Victoria Yin, MD & Patrick Sullivan, MD
- 13 The Role of Ultrasound in Airway Management**  
Lynn Cintron, MD & Vladimir Nekhendzy, MD
- 14 Pharmacology for Airway Management in Critically Ill #3**  
James McAvoy, MD & Raphael Paulino, MD

1:55-2:10 pm **Supraglottic Airways in Difficult Airway Management**  
James DuCanto, MD

2:10-2:40 pm **Critical Decision-Making in ASA Difficult Airway Algorithm: Evidence-Based Approach**  
Vladimir Nekhendzy, MD

2:40-2:55 pm **Break and transition to hands-on**

2:55-5:55 pm **Hands-On: Difficult Airway Workshop and Flexible Scope Intubation Course**  
*Breakdown of stations below*

5:55-6:00 pm **Adjourn**



**Please register early - space is limited!**

# Program Continued

Each participant will attend the flexible scope intubation course and 12 difficult airway stations. Each participant will also attend one mini-review and one case-based discussion during the Lunch & Learn Sessions.

## Sunday, March 30, 2025

7:00-7:50 am **Registration and Continental Breakfast**

7:50-8:00 am **Review of Day 1**  
Vladimir Nekhendzy, MD

8:00-8:20 am **Critical Care Physician's Perspective on Difficult Airway Management**  
Carlos Brun, MD

8:20-8:40 am **Emergency Room Physician's Perspective on Difficult Airway Management**  
Bill Mulkerin, MD

8:40-9:00 am **ENT Surgeon's Perspective on Difficult Airway Management**  
Edward Damrose, MD

9:00-9:20 am **The Role of Airway Ultrasound in Difficult Airway Management**  
Michael Kristensen, MD

9:20-9:40 am **Human Factors in Difficult Airway Management**  
Naola Austin, MD

9:40-9:50 am **Break and transition to hands-on**

9:50-12:50 pm **Hands-On: Difficult Airway Workshop and Flexible Scope Intubation Course**  
*Breakdown of stations below*

12:50 - 1:00 pm **Transition to lunchroom**

12:55-1:55 pm **Lunch & Learn (14 Case-Based Discussions)**

**Please choose one:**

- 1 Difficult Airway in the Emergency Department**  
Marc Gautreau, MD, James DuCanto, MD & Alla Yarmosh, MD
- 2 Pediatric Difficult Airway: Airway Management of Foreign Bodies in Children**  
Jewel Sheehan, MD & Annery Garcia-Marcinkiewicz, MD
- 3 Difficult Airway in Critical Care #1**  
Carlos Brun, MD, Lena Scotto, MD & Laura May, MD
- 4 Difficult Airway in Head and Neck Surgery #1**  
Vladimir Nekhendzy, MD & Edward Damrose, MD
- 5 Preoperative Endoscopic Airway Examination (PEAE) #1**  
Bob Rodbumrung, MD, Emily Stockert, MD & David Drover, MD
- 6 Unanticipated Difficult Airway: Failed Direct and Video Laryngoscopy**  
Katie Speirs, MD & Bill Mulkerin, MD
- 7 Anticipated Difficult Airway: Unstable C-Spine**  
Rett Quattlebaum, MD, John Su, MD & Lynn Cintron, MD
- 8 Anticipated Difficult Airway: Morbidly Obese Patient**  
Raphael Paulino, MD, Michael Kristensen, MD & Amit Joseph, MD
- 9 Anticipated Difficult Airway: Craniofacial Abnormalities**  
RJ Ramamurthi, MD & Patrick Sullivan, MD
- 10 Anticipated Difficult Airway: Difficult Flexible Scope Intubation**  
Jeremy Collins, MD & Naola Austin, MD
- 11 Difficult Airway in Head and Neck Surgery #2**  
Amit Saxena, MD, Sara Goldhaber-Fiebert, MD & Michael Montalbaron, MD
- 12 Difficult Airway in Critical Care #2**  
Fred Mihm, MD & Daenis Camire, MD
- 13 Preoperative Endoscopic Airway Examination (PEAE) #2**  
Brita Mittal, MD & Meihsi Chen, MD
- 14 Difficult Airway in Critical Care #3**  
James McAvoy, MD & Hannah Bechtold, MD

1:55-2:05 pm **Break**

2:05-3:05 pm **Case Presentations & Discussion**  
Drs. Vladimir Nekhendzy (moderator), Carlos Brun, Jeremy Collins, James DuCanto, Edward Damrose, Annery Garcia-Marcinkiewicz, Marc Gautreau, Michael Kristensen, Amit Saxena

3:05-3:15 pm **Break**

3:15-4:15 pm **Case Presentations & Discussion**  
Drs. Vladimir Nekhendzy (moderator), Carlos Brun, Jeremy Collins, James DuCanto, Edward Damrose, Annery Garcia-Marcinkiewicz, Marc Gautreau, Michael Kristensen, Amit Saxena

4:15-4:25 pm **Concluding Remarks**

4:25-4:30 pm **Adjourn**



**Please register early - space is limited!**

# Program Continued

## DESCRIPTION OF HANDS-ON FOR ADVANCED AIRWAY COURSE

### Stand-alone, Flexible Scope Intubation Course

5 lectures and 6 hands-on stations. Course lead: Dr. Amit Saxena.

- |        |   |   |
|--------|---|---|
| 15 min | <b>Fundamental Technical Skills Required for Successful Flexible Scope Intubation</b><br>Dr. David Drover   | Jeremy Collins, David Drover, Fred Mihm, Katie Speirs, Victoria Yin   |
| 30 min | <b>Hands-On: Flexible Scope Teaching Models</b><br>Drs. Amit Saxena, Daenis Camire, Jeremy Collins, David Drover, Fred Mihm, Katie Speirs, Victoria Yin           | 20 min <b>Difficult Flexible Scope Intubation: Causes and Solutions to the Problems. Advanced Flexible Scope Intubation Techniques.</b><br>Dr. Jeremy Collins   |
| 20 min | <b>Preoperative Endoscopic Airway Examination (PEAE)</b><br>Dr. Amit Saxena   | 40 min <b>Hands-On: Supraglottic Airway - ETT Exchange, Combined Video Endoscopy Intubation Technique</b><br>Drs. Amit Saxena, Daenis Camire, Jeremy Collins, David Drover, Fred Mihm, Katie Speirs, Victoria Yin |
| 15 min | <b>Patient Selection, Indications and Contraindications to the Flexible Scope Intubation. Essential Attributes for Success.</b><br>Drs. Victoria Yin/Katie Speirs | 20 min <b>Awake Flexible Scope Intubation: State-of-the-Art</b><br>Dr. Amit Saxena  |
| 20 min | <b>Hands-On: Oral and Nasal Flexible Scope Intubation</b><br>Drs. Amit Saxena, Daenis Camire,   |   |

### Advanced Airway Management Course Stations

12 difficult airway skills stations arranged in 2 blocks, 6 stations each

- |  |  |
|--|--|
| <b>1 Video Laryngoscopy &amp; Video Stylets</b><br>Drs. Hannah Bechtold, Amit Joseph                                 | <b>7 Emergency Airway &amp; Surgical Cricothyroidotomy</b><br>Edward Damrose, Marc Gautreau, Bill Mulkerin, Michael Montalbaron, John Su |
| <b>2 SALAD (Suction Assisted Laryngoscopy &amp; Airway Decontamination)</b><br>Drs. James DuCanto & Patrick Sullivan | <b>8 Airway Ultrasound</b><br>Dr. Lynn Citron  |
| <b>3 Lung Separation Techniques</b><br>Drs. Rett Quattlebaum, Meihsi Chen, Laura May                                 | <b>9 Extubation of the Difficult Airway &amp; Airway Exchange Catheters</b><br>Drs. Michael Kristensen, Lena Scotto                      |
| <b>4 Supraglottic Airways</b><br>Drs. Bob Rodbumrung, William Gostic, Sara Goldhaber-Fiebert                         | <b>10 Retrograde Intubation</b><br>Drs. James McAvoy, Bill Mulkerin  |
| <b>5 Intubating LMA</b><br>Drs. Raphael Paulino, Emily Stockert  | <b>11 Advanced Oxygenation Techniques (THRIVE)</b><br>Dr. Vladimir Nekhendzy   |
| <b>6 Pediatric Airway</b><br>Drs. RJ Ramamurthi, Jewel Sheehan, Annery Garcia-Marcinkiewicz                          | <b>12 Simulation</b><br>Drs. Carlos Brun, Naola Austin, Alla Yarmosh, and Teresa Roman-Micek   |



### ACCREDITATION

In support of improving patient care, Stanford Medicine is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

### CREDIT DESIGNATION

Stanford University School of Medicine designates this live activity for a maximum of **17.50 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The California Board of Registered Nursing recognizes that Continuing Medical Education (CME) is acceptable for meeting RN continuing education requirements; as long as the course is certified for **AMA PRA Category 1 credits™** (rn.ca.gov). Nurses will receive a Certificate of Attendance following this activity that may be used for license renewal.



Register online at [stanford.cloud-cme.com/advancedairway2025](https://stanford.cloud-cme.com/advancedairway2025)

# Registration

## STANFORD ADVANCED AIRWAY MANAGEMENT COURSE – MARCH 29-30, 2025

Please register and pay online by credit card at [stanford.cloud-cme.com/advancedairway2025](https://stanford.cloud-cme.com/advancedairway2025)

**PLEASE REGISTER EARLY – SPACE IS LIMITED.** Registration fee course materials, certificate of participation, and daily breakfast and lunch. Tuition may be paid by check, Visa, or MasterCard.

### REGISTRATION FEES

#### Regular

Physicians/CRNAs: \$2,195  
Stanford Affiliated Physician/CRNAs: \$1,000  
Non-Stanford Residents/Fellows: \$1,000  
Industry: \$2,195  
Stanford Resident/Fellow: \$900  
(verified with Stanford email)

#### Special Rates

Returning Learners: \$1,000

Please contact the Stanford CME office if you qualify to register for a special rate.

**If you prefer to pay by check, please contact the Stanford Center for CME at (650) 497-8554 for assistance.**

**Please note:** Your registration is not confirmed until payment is received.

### CANCELLATION POLICY

Cancellations received in writing no less than 20 days before the course will be refunded, less a 20% administrative fee. No refunds will be made on cancellations received after that date. Please send cancellation requests to [stanfordcme@stanford.edu](mailto:stanfordcme@stanford.edu).

Stanford University School of Medicine reserves the right to cancel or postpone this program if necessary; in the event of cancellation, course fees will be fully refunded. We are not responsible for other costs incurred such as non-refundable airline tickets or hotel penalties.

### ACCOMMODATIONS

For lodging near the Stanford campus, please view our lodging guide at: <https://visit.stanford.edu/basics/lodging.html>



### CONFERENCE LOCATION


#### Li Ka Shing Center for Learning and Knowledge

2nd Floor Conference Center  
291 Campus Drive, Stanford, CA 94305  
[conferencecenter.stanford.edu](https://conferencecenter.stanford.edu)

#### Stanford Center for Continuing Medical Education

1520 Page Mill Road, Palo Alto, CA 94304  
Phone: (650) 497-8554 • Email: [stanfordcme@stanford.edu](mailto:stanfordcme@stanford.edu)  
Web: [cme.stanford.edu](https://cme.stanford.edu)

For questions about the symposium, please contact **Alyssa Elsey**, Education Events Specialist, Stanford Center for Continuing Medical Education at [aelsey@stanford.edu](mailto:aelsey@stanford.edu)

 Stanford University School of Medicine is committed to ensuring that its programs, services, goods and facilities are accessible to individuals with disabilities as specified under Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Amendments Act of 2008.

If you have needs that require special accommodations, including dietary concerns, please contact the CME Conference Coordinator.



**Please register early – space is limited!**



# What Past Participants Said



*“I found the course extremely helpful, and will recommend it to all my anesthesia and head and neck surgical colleagues.”*

*“Professors welcomed questions and discussions, and the “Lunch and Learn” sessions provided additional access to the experts.”*

*“Terrific! Enjoyed very much and learned a lot of practical information.”*

*“It was a great combination of “worst nightmare scenario ever” followed by “best advice ever”. I was out of my comfort zone and learned a lot.”*

*“Staff very welcoming and helpful. Organization of stations better than any others I have attended, including many Harvard events.”*



*“Very high quality educators, who were enthusiastic and committed to making this a first class learning experience.”*

*“One of the most useful hands-on courses I have attended. Very much appreciated!”*

*“Very informative and comprehensive course, with outstanding lectures and workshops.”*



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