Stanford Advanced Airway Management and Fiberoptic Course

SEPTEMBER 9TH – 10TH 2017

Li Ka Shing Center for Learning and Knowledge Stanford, California

A Continuing Medical Education Conference
Presented by Stanford University
Department of Anesthesiology
Advanced Airway Management Program

SPONSORED BY THE STANFORD UNIVERSITY SCHOOL OF MEDICINE
ANNUAL STANFORD ADVANCED AIRWAY MANAGEMENT AND FIBEROPTIC COURSE

The Stanford Advanced Airway Management Program (SAAMP) of the Department of Anesthesiology offers comprehensive, multidisciplinary airway training to a national and international audience. The course is ideally suited for the anesthesiologists, critical care, emergency medicine, and ENT physicians.

Learn new, up to date information, and instantly improve your advanced airway skills in this unique, intense 2-day course. We teach all aspects of advanced airway management in the operating room, emergency department, intensive care unit, and in adult and pediatric patients.

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

1. Develop effective approaches and strategies for predicting and managing difficult airway, per latest evidence-based medicine data.
2. Develop skills for alternative ventilation strategies using supraglottic airway (SGA) devices, techniques for SGA-endotracheal tube exchange, and surgical techniques for rescue ventilation.
3. Discuss and appraise advanced oxygenation techniques, such as Transnasal Humidified Rapid-Insufflation Ventilatory Exchange (THRIVE).
4. Develop or improve crisis resources management (CRM) skills for debriefing situations in practice.
5. Determine proper patient selection and preparation for awake flexible fiberoptic intubation.

STATEMENT OF NEED
This comprehensive, state-of-the-art course will provide physicians with the best knowledge, and solid technical skills for effectively managing anticipated and unanticipated difficult airway in the operating room, emergency department, intensive care unit, and in diverse clinical situations.

TARGET AUDIENCE
This course is intended for local, national and international anesthesia care providers, and emergency medicine, critical care, and ENT physicians, who wish to improve their knowledge, competence, and performance in advanced airway management.

COURSE HIGHLIGHTS
- Over 30 evidence-based lectures, reviews, and case discussions
- 12 state-of-the-art difficult airway stations, including airway ultrasound and surgical cricothyrotomy
- Integrated, 6 station fiberoptic intubation course, including preoperative endoscopic airway examination (PEAE)
- Immersive, high fidelity simulation
- Focused mini-workshop on lung separation
- Small learning groups with 3-5:1 participant-to-instructor ratio
- Ample time for each participant to practice and acquire new skills

Become a SAAMP insider and benefit from over 20 years of national and international teaching experience. Learn from the experts who teach advanced airway management daily!

SKILLS STATIONS INCLUDE
- Introducers
- Video laryngoscopes
- Light-guided intubation
- Supraglottic airways
- Intubating LMA
- Preoperative endoscopic airway examination
- Fiberoptic assisted airway exchange techniques
- Fiberoptic stylets
- Combined video intubation techniques
- Fiberoptic evaluation of the lower airway, and lung separation techniques
- Retrograde intubation
- Percutaneous and surgical (pig tracheas) emergency airway access
- Ultrasound-guided access to cricothyroid membrane
- Transtracheal jet ventilation
- Advanced oxygenation techniques (THRIVE)
- Airway exchange catheters and staged extubation
- Pediatric difficult airway
- Difficult airway simulation scenarios

Please register early – space is limited!
INTERNATIONALLY RENOWNED FACULTY/EXPERTS

All faculty are affiliated with Stanford University Medical Center unless otherwise noted.

Vladimir Nekhendzy, MD
Course Director
Clinical Professor of Anesthesiology and Otolaryngology
Director, Stanford Advanced Airway Management Program

Jeremy Collins, MB, ChB, FRCA
Course Co-Director
Clinical Associate Professor of Anesthesiology

Edward Damrose, MD, FACS
Course Co-Director
Associate Professor, Department of Otolaryngology/Head and Neck Surgery
Director, Stanford Voice and Swallowing Center

Olga Albert, MD
Clinical Assistant Professor of Anesthesiology

Naola Austin, MD
Clinical Assistant Professor of Anesthesiology

Jennifer Basarab-Tung, MD
Clinical Assistant Professor of Anesthesiology

Carlos Brun, MD
Clinical Assistant Professor of Anesthesiology
Co-Director, Medical Surgical ICU
Veteran’s Affairs Palo Alto Health Care System

Erin Bushell, MD
Clinical Assistant Professor of Anesthesiology

Alex Butwick, MD
Associate Professor of Anesthesiology

Marianne Chen, MD
Clinical Assistant Professor of Anesthesiology

Tiffany Cheng, MD
Clinical Instructor of Anesthesiology

Lynn Cintron, MD
Associate Clinical Professor of Anesthesiology (Adjunct)
University of California, Irvine

Rebecca Claure, MD
Clinical Associate Professor of Anesthesiology

Thomas Dalton, MD
Clinical Assistant Professor of Surgery-Emergency Medicine

David Drover, MD
Professor of Anesthesiology

Sara Goldhaber-Fiebert, MD
Clinical Associate Professor of Anesthesiology

Maeve Hennessy, MD
Clinical Assistant Professor of Anesthesiology

Jerry Ingrande, MD
Clinical Assistant Professor of Anesthesiology

Richard Jaffe, MD, PhD
Professor of Anesthesiology and Neurosurgery

Amit Joseph, MD
Clinical Instructor of Anesthesiology

Vivek Kulkarni, MD, PhD
Clinical Associate Professor of Anesthesiology

Amy Lu, MD
Clinical Assistant Professor of Anesthesiology

Register online at cme.stanford.edu/advancedairway
Kevin Malott, MD  
Clinical Associate Professor of Anesthesiology

Fred Mihm, MD  
Professor of Anesthesiology  
Co-Director, Intensive Care Units

Brita Mittal, MD  
Clinical Instructor of Anesthesiology

Bill Mulkerin, MD  
Clinical Instructor of Surgery – Emergency Medicine

Radhamangalam ‘RJ’ Ramamurthi, MD  
Clinical Associate Professor of Anesthesiology

Teresa Roman-Micek, BS  
Lead Simulationist  
Stanford Center for Immersive and Simulation-Based Learning (CISL)

Amit Saxena, MD  
Clinical Instructor of Anesthesiology

Lena Scotto, MD  
Staff Anesthesiologist  
El Camino Hospital, Mountain View, California

Pedro Tanaka, MD, PhD  
Clinical Professor of Anesthesiology

Kristen Telischak, MD  
Clinical Instructor of Anesthesiology

Tammy Wang, MD  
Clinical Assistant Professor of Anesthesiology

Louise Wen, MD  
Clinical Instructor of Anesthesiology

Ahmed Zaafran, MD  
Clinical Assistant Professor of Anesthesiology (Adjunct)

Guest Faculty

Davide Cattano, MD, PhD  
Professor of Anesthesiology  
Chief, Head and Neck Anesthesia  
The McGovern Medical School, UTH at Houston, Texas

Anil Patel, MB BS, FRCA  
Chairman, Department of Anaesthesia  
Royal National Throat Nose & Ear Hospital  
President, Difficult Airway Society  
London, U.K.

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.

Register online at cme.stanford.edu/advancedairway
Each participant will attend the fiberoptic course and 12 difficult airway stations. Each participant will also attend one mini-review and one case-based discussion during the Lunch & Learn Session.

Saturday, September 9, 2017

7:00-7:50 am  Breakfast/Registration
7:50-8:00 am  Introduction/Welcome
8:00-8:30 am  ASA Difficult Airway Algorithm: Best Practice Strategies for Success
              Nekhendzy
8:30-9:00 am  Pediatric Difficult Airway
              Ramamurthi
9:00-9:30 am  Extubation of the Difficult Airway
              Cattano
9:30-9:45 am  Break
9:45-1:00 pm  Hands-On: Difficult Airway Workshop and Fiberoptic Intubation Course
              All Faculty
1:00-2:00 pm  Lunch & Learn (Mini-Reviews): please choose one
              All Faculty

1. Difficult airway in obstetrics
   Austin, Butwick, Claure

2. ENT airway tools: operating laryngoscopes, rigid bronchoscope, tracheostomy tubes
   Damrose, Drover, Cattano

3. Pediatric video laryngoscopy
   Ramamurthi, Albert, Wang

4. Difficult airway and obstructive sleep apnea
   Nekhendzy, Cheng

5. Lung isolation in a patient with the difficult airway
   Kulkarni, Telischak, Basarab-Tung

6. Supraglottic airways in difficult airway management
   Collins, Mittal, Hennessy

7. Pharmacology for airway management in critically ill
   Brun, Mihm

8. Prehospital airway management: implications for anesthesiologist
   Saxena, Cintron

9. Rapid sequence induction: full stomach and cricoid pressure controversy
   Mulkerin, Lu

10. Adult video laryngoscopy
    Zaafran, Jaffe, Wen

11. Airway management outside of the operating room
    Bushell, Tanaka, Malott

12. Difficult airway and obesity
    Ingrande, Chen, Joseph

2:00-2:40 pm  Critical Decision-Making in ASA Difficult Airway Algorithm: Evidence-Based Approach
              Nekhendzy

2:40-2:50 pm  Break

3:00-6:00 pm  Hands-On: Difficult Airway Workshop and Fiberoptic Intubation Course
              All faculty

6:00 pm Adjourn

Opportunities for Q&A will be provided at the conclusion of each presentation.

Please register early – space is limited!
Each participant will attend the fiberoptic course and 12 difficult airway stations. Each participant will also attend one mini-review and one case-based discussion during the Lunch & Learn Session.

Sunday, September 10, 2017

7:00-7:50 am  Breakfast
7:50-8:00 am  Review of Day 1  
Nekhendzy
8:00-8:30 am  Critical Care Physician’s Perspective on Difficult Airway Management  
Brun
8:30-9:00 am  Emergency Room Physician’s Perspective on Difficult Airway Management  
Dalton
9:00-9:30 am  ENT Surgeon’s Perspective on Difficult Airway Management  
Damrose
9:30-9:45 am  Break
9:45-1:00 pm  Hands-On: Difficult Airway Workshop and Fiberoptic Intubation Course  
All Faculty
1:00-2:00 pm  Lunch & Learn (Case-Based Discussions): please choose one  
All Faculty
   1  Difficult airway in the emergency department  
   Mulkerin, Zaafraan, Austin
   2  Pediatric difficult airway: management of airway foreign bodies  
   Claure, Ramamurthi, Albert, Wang
   3  Difficult airway in critical care #1  
   Brun, Scotto
   4  Difficult airway in critical care #2  
   Mihm, Basarab-Tung, Wen
   5  Difficult airway in head and neck surgery #1  
   Nekhendzy, Damrose, Cheng
   6  Difficult airway in head and neck surgery #2  
   Lu, Cattano, Cintron
   7  Airway management in the morbidly obese patient  
   Collins, Ingrande, Kulkarni
   8  Unanticipated difficult airway: failed direct and video laryngoscopy  
   Malott, Butwick
   9  Anticipated difficult airway: unstable C-spine  
   Chen, Jaffe, Tanaka
10  Anticipated difficult airway: retrognathia  
   Bushell, Goldhaber-Fiebert, Telischak
11  Anticipated difficult airway: difficult fiberoptic intubation  
   Hennessy, Drover, Joseph
12  Preoperative endoscopic airway examination (PEAE)  
   Mittal, Patel, Saxena
2:00-2:50 pm  Case-Based Discussions  
   Collins, Ramamurthi, Mulkerin
2:50-3:00 pm  Break
3:00-3:50 pm  Case-Based Discussions  
   Nekhendzy, Brun, Damrose
3:50-4:00 pm  Concluding Remarks  
   Nekhendzy
4:00 pm  Adjourn

Opportunities for Q&A will be provided at the conclusion of each presentation.
DESCRIPTION OF HANDS-ON ADVANCED AIRWAY COURSE AND FIBEROPTIC INTUBATION COURSE

Fiberoptic Intubation Course
Lecture and 6 hands-on stations
15 min **Fundamental technical skills required for successful fiberoptic intubation**
   Drover
45 min **Hands-On: Fiberoptic teaching models**
   Collins, Drover, Jaffe, Saxena, Malott, Hennessy
15 min **Patient selection, indications and contraindications for flexible fiberoptic intubation. Essential attributes for success.**
   Collins
20 min **Hands-On: Oral and nasal fiberoptic intubation**
   Collins, Drover, Jaffe, Saxena, Malott, Hennessy
15 min **Awake flexible fiberoptic intubation: State-of-the-art**
   Collins
15 min **Demo: Preoperative endoscopic airway examination (PEAE)**
   Saxena
20 min **Difficult flexible fiberoptic intubation: causes and solutions to the problems. Advanced techniques of flexible fiberoptic intubation.**
   Collins
60 min **Hands-On: Advanced techniques of flexible fiberoptic intubation, including fiberoptic-guided airway exchange**
   Collins, Drover, Jaffe, Saxena, Malott, Hennessy

Advanced Airway Management Course
12 difficult airway skills stations arranged in 2 blocks, 6 stations each
1 **Video Laryngoscopy**
   Zaafran, Ingrande
2 **Fiberoptic Stylets/Light Wands**
   Lu, Joseph, Cheng
3 **Lung Separation Techniques**
   Kulkarni, Telischak, Basarab-Tung
4 **Supraglottic Airways**
   Butwick, Goldhaber-Fiebert
5 **Intubating LMA**
   Nekhendzy, Mittal
6 **Pediatric Airway**
   Claure, Ramamurthi, Albert, Wang
7 **Emergency Airway & Surgical Cricothyroidotomy**
   Mulkerin, Dalton, Damrose
8 **Airway Ultrasound**
   Cintron, Scotto
9 **Exubtation of Difficult Airway & Airway Exchange Catheters**
   Cattano, Mihm
10 **Retrograde Intubation**
   Tanaka, Chen
11 **Advanced oxygenation techniques (THRIVE)**
   Bushell, Patel
12 **Simulation**
   Brun, Austin, Wen, Roman-Micek

ACCREDITATION
The Stanford University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

CREDIT DESIGNATION
Stanford University School of Medicine designates this live activity for a maximum of 16.25 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 cme.stanford.edu/advancedairway
STANFORD ADVANCED AIRWAY MANAGEMENT AND FIBEROPTIC COURSE – SEPTEMBER 9-10, 2017

Please register and pay online by credit card at cme.stanford.edu/advancedairway

PLEASE REGISTER EARLY – SPACE IS LIMITED. Registration fee includes continental breakfast, refreshment breaks, lunch, certificate of attendance, and on-line syllabus. Tuition may be paid by check, Visa, or MasterCard.

REGISTRATION FEES

<table>
<thead>
<tr>
<th>Category</th>
<th>Early Bird Discount</th>
<th>Regular After 8/3/17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physicians/CRNAs</td>
<td>$995</td>
<td>$1,095</td>
</tr>
<tr>
<td>Residents/Fellows</td>
<td>$900</td>
<td>$900</td>
</tr>
</tbody>
</table>

SPECIAL RATES

- Returning Learners: $800
- International Groups (5 or more): $800

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

If you prefer to pay by phone or 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 30 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.

Stanford University School of Medicine reserves the right to cancel this program; 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: visit.stanford.edu/plan/lodging

CONFERENCE LOCATION

Li Ka Shing Center for Learning and Knowledge
2nd Floor Conference Center
291 Campus Drive, Stanford, CA 94305
cconferencecenter.stanford.edu

Stanford Center for Continuing Medical Education
1520 Page Mill Road, Palo Alto, CA 94304
Phone: (650) 497-8554 • Email: stanfordcme@stanford.edu
Web: cme.stanford.edu

For questions about the symposium, please contact Yolanda Cervantes, CME Coordinator, Stanford Center for Continuing Medical Education at (650) 724-9549 or email ycervant@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!
Attendees’ Comments

“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.”

Register online at cme.stanford.edu/advancedairway