SEPTEMBER
10TH - 11TH
2016

Stanford Advanced Airway Management and Fiberoptic Course

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

Stanford | MEDICINE

SPONSORED BY THE STANFORD UNIVERSITY SCHOOL OF MEDICINE

Conference Overview

ANNUAL STANFORD ADVANCED AIRWAY MANAGEMENT AND FIBEROPTIC COURSE

The Stanford Advanced Airway Management Program (SAAMP) of the Department of Anesthesiology is offering 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 and critical care 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, 5 station fiberoptic intubation course
- 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 15 years of national and international teaching experience. Learn from the experts who teach advanced airway management daily!

SKILLS STATIONS INCLUDE

- Introducers: Gum elastic bougie & Frova
- Video laryngoscopes: Glidescope, CMac, McGrath, Airtraq, Airway Scope , King Vision
- Light-guided intubation
- LMA Unique and Flexible
- AirQ and i-Gel airways
- LMAs ProSeal and Supreme
- Intubating LMA (LMA Fastrach)
- Fiberoptic assisted airway exchange techniques
- Fiberoptic stylets
- 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, Laryngeal tube, Easy tube
- Advanced oxygenation techniques (THRIVE)
- Airway exchange catheters and staged extubation
- Pediatric difficult airway
- Difficult airway simulation scenarios

Please register early – space is limited!

Faculty

INTERNATIONALLY RENOWNED FACULTY/EXPERTS

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

Vladimir Nekhendzy, MD
Course Director
Clinical Associate Professor of Anesthesiology and Otolaryngology

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 Instructor of Anesthesiology

Jennifer Basarab-Tung, MD
Clinical Instructor of Anesthesiology

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

Colin Bucks, MD
Clinical Assistant Professor of Surgery
Division of Emergency Medicine
Marc Andreessen & Laura Arillaga-Andreessen Medical Director for Disaster Preparedness

Erin Bushell, MD
Clinical Instructor of Anesthesiology

Marianne Chen, MD
Clinical Assistant Professor of Anesthesiology

Michael Chen, MD
Clinical Associate Professor of Anesthesiology

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

Rebecca Claure, MD
Clinical Associate Professor of Anesthesiology

David Drover, MD
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

Nikita Joshi, MD
Clinical Instructor of Surgery and Emergency Medicine

Vivek Kulkarni, MD, PhD
Clinical Associate Professor of Anesthesiology

Amy Lu, MD
Clinical Assistant Professor of Anesthesiology

continued >

Faculty Continued

Kevin Malott, MD
Clinical Associate Professor of Anesthesiology

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

Brita Mittal, MD
Fellow, Advanced Airway Management
Department of Anesthesiology

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

Kristen Telishak, MD
Clinical Instructor of Anesthesiology

Lena Scotto, MD
Fellow, Critical Care Medicine
Department of Anesthesiology

Alexei Wagner MD, MBA
Clinical Instructor of Surgery
Division of Emergency Medicine

Louise Wen, MD
Fellow, Medical Simulation and Education
Department of Anesthesiology

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

Guest Faculty

Laura Cavallone, MD
Assistant Professor of Anesthesiology
Washington University in St. Louis, Missouri

Narasimhan 'Sim' Jagannathan, MD
Associate Professor of Anesthesiology
Director, Pediatric Anesthesia Research
Northwestern University Feinberg School of Medicine, Chicago, Illinois

FACULTY DISCLOSURE

The Stanford University School of Medicine adheres to ACCME Essential Areas, 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

Program

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 10, 2016

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**
Jagannathan

9:00-9:30 am **Extubation of the Difficult Airway**
Cavallone

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, Claure
2. **ENT airway tools: operating laryngoscopes, rigid bronchoscope, tracheostomy tubes**
   Damrose, Drover, Cavallone
3. **Pediatric video laryngoscopy**
   Ramamurthi, Albert, Malott
4. **Difficult airway and obstructive sleep apnea**
   Nekhendzy, Joseph
5. **Lung isolation in a patient with the difficult airway**
   Kulkarni, Telischak, Basarab-Tung
6. **Supraglottic airways in difficult airway management**
   Collins, Jagannathan
7. **Pharmacology for airway management in critically ill**
   Brun, Scotto
8. **Prehospital airway management: implications for anesthesiologist**
   Saxena, Cintron
9. **Rapid sequence induction: full stomach and cricoid pressure controversy**
   Bucks, Lu
10. **Adult video laryngoscopy**
    Zaafran, Jaffe, Wen
11. **Airway management outside of the operating room**
    Bushell, Hennessy
12. **Difficult airway and obesity**
    Ingrande, Chen

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

2:40-2:50 pm **Break**

2:50-6:00 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.

continued >

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Program Continued

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 11, 2016

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**
Wagner

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**
   Wagner, Joshi
2. **Pediatric difficult airway: management of airway foreign bodies**
   Claure, Jagannathan, Albert
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, Joseph
6. **Difficult airway in head and neck surgery #2**
   Lu, Cavallone, Cintron
7. **Airway management in the morbidly obese patient**
   Collins, Ingrande, Kulkarni
8. **Unanticipated difficult airway: failed direct and video laryngoscopy**
   Malott, Butwick, Ramamurthi, Telischak
9. **Anticipated difficult airway: unstable C-spine**
   Chen, Jaffe, Austin
10. **Anticipated difficult airway: retrognathia**
    Bushell, Drover
11. **Anticipated difficult airway: difficult fiberoptic intubation**
    Hennessy, Zaafran
12. **Preoperative endoscopic airway examination (PEAE)**
    Saxena, Mittal

2:00-2:50 pm **Case-Based Discussions**
Collins, Jagannathan, Joshi

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.

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DESCRIPTION OF HANDS-ON ADVANCED AIRWAY COURSE AND FIBEROPTIC INTUBATION COURSE

Fiberoptic Intubation Course

Lecture and 5 hands-on stations course

15 min **Fundamental technical skills required for successful fiberoptic intubation**
Drover

50 min **Hands-On: Fiberoptic teaching models**
Collins, Drover, Jaffe, Malott, Hennessy

15 min **Patient selection, indications and contraindications to flexible fiberoptic intubation. Essential attributes for success.**
Collins

20 min **Hands-On: Oral and nasal fiberoptic intubation**
Collins, Drover, Jaffe, Malott, Hennessy

20 min **Difficult flexible fiberoptic intubation: Causes and solutions to the problems. Advanced techniques of flexible fiberoptic intubation.**
Collins

45 min **Hands-On: Advanced techniques of flexible fiberoptic intubation, including fiberoptic-guided airway exchange**
Collins, Drover, Jaffe, Malott, Hennessy

20 min **Awake flexible fiberoptic intubation: State-of-the-art**
Collins

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

3 **Lung Separation Techniques**
Kulkarni, Telischak, Basarab-Tung

4 **Supraglottic Airways**
Saxena

5 **Intubating LMA**
Nekhendzy, Mittal

6 **Pediatric Airway**
Claure, Jagannathan, Ramamurthi, Albert

7 **Emergency & Surgical Cricothyroidotomy**
Bucks, Wagner, Joshi, Damrose

8 **Airway Ultrasound**
Cintron

9 **Extubation of Difficult Airway & Airway Exchange Catheters**
Cavallone, Scotto

10 **Retrograde Intubation**
Chen M, Mihm

11 **Advanced oxygenation techniques (THRIVE)**
Bushell

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.

Registration

STANFORD ADVANCED AIRWAY MANAGEMENT AND FIBEROPTIC COURSE – SEPTEMBER 10-11, 2016

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

Early Bird Discount	Physicians/CRNAs $995 Residents/Fellows $900
Regular After 8/3/16	Physicians/CRNAs $1,095 Residents/Fellows $900
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

All cancellations must be made in writing and sent to: stanfordcme@stanford.edu

Registration fee, less a $75 administrative charge, is refundable if written cancellation is received prior to September 5, 2016. No refunds will be given for cancellations received after this date or for conference non-attendance. We reserve the right to cancel or postpone any activity if necessary. In such case, full refund of registration fee will be given. 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
conferencecenter.stanford.edu

Stanford Center for Continuing Medical Education
1070 Arastradero Road, Suite 230, Palo Alto, CA 94304
Phone: (650) 497-8554 • Email: stanfordcme@stanford.edu
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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 fully ADA compliant. If you have needs that require special accommodations, including dietary concerns, please contact ycervant@stanford.edu or (650) 724-9549, before September 5, 2016.

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."

Please register early – space is limited!