Stanford Advanced Airway Management and Fiberoptic Course

SEPTEMBER 19TH - 20TH 2015

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 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, utilizing appropriate devices and techniques 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. Develop or improve crisis resources management (CRM) skills for debriefing situations in practice.

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
- 10 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 4-6:1 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
- Light-guided intubation
- LMA-Classic, Unique, Flexible, and Excel
- 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
- 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 Associate Professor of Anesthesiology and Otolaryngology

Jeremy Collins, MB
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

Carlos Brun, MD
Clinical Assistant Professor of Anesthesiology
Staff Anesthesiologist and Intensivist 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

Alexander Butwick, MD
Assistant Professor of Anesthesiology

Michael Chen, MD
Clinical Associate Professor of Anesthesiology

Lynn Cintron, MD
Affiliate, Department of Anesthesia Santa Clara Valley Medical Center Associate Clinical Professor of Anesthesiology (Adjunct) University of California, Irvine

Rebecca Claure, MD
Clinical Associate Professor of Anesthesiology

David Drover, MD
Professor of Anesthesiology

Sara Goldhaber-Fiebert, MD
Clinical Assistant Professor of Anesthesiology

Richard Jaffe, MD, PhD
Professor of Anesthesiology and Neurosurgery

Nikita Joshi, MD
Clinical Instructor of Surgery and Emergency Medicine

Vivek Kulkarni, MD, PhD
Clinical Associate Professor of Anesthesiology

Kevin Malott, MD
Clinical Associate Professor of Anesthesiology

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

Periklis Panousis, MD
Clinical Assistant Professor of Anesthesiology

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

Pedro Tanaka, MD, PhD, MACD
Clinical Associate Professor of Anesthesiology

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

Ahmed Zaafran, MD
Clinical Assistant Professor of Anesthesiology

Guest Faculty

Elizabeth Behringer, MD
Professor of Anesthesiology Director, Critical Care Fellowship Cedars-Sinai Medical Center Los Angeles, California

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
Each participant will attend the fiberoptic course and 10 difficult airway stations. Each participant will also attend two mini-reviews and one case-based discussion session during Lunch & Learn.

**Saturday, September 19, 2015**
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
               Behringer
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 two
               All Faculty
               1 Difficult airway in obstetrics
                  Butwick/Claure
               2 ENT airway tools: operating laryngoscopes, rigid bronchoscope, tracheostomy tubes
                  Damrose/Drover
               3 Pediatric video laryngoscopy: update
                  Ramamurthi/Albert
               4 What’s in your difficult airway cart?
                  Nekhendzy/Cintron
               5 Lung isolation in a patient with the difficult airway
                  Kulkarni/Jaffe
               6 Supraglottic airways in difficult airway management: update
                  Collins/Jagannathan
               7 Pharmacology for airway management in critically ill
                  Brun/Behringer
               8 Prehospital airway management: implications for anesthesiologist
                  Panousis/Tanaka
               9 Rapid sequence induction: full stomach and cricoid pressure controversy
                  Bucks/Mihm
               10 Adult video laryngoscopy: update
                   Zaafran/Malott

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

**Sunday, September 20, 2015**
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/Kulkarni
               4 Difficult airway in critical care #2
                  Mihm/Behringer
               5 Difficult airway in head and neck surgery
                  Nekhendzy/Damrose
               6 Airway management of the morbidly obese patient
                  Collins/Cintron/Goldhaber-Fiebert
               7 Unanticipated difficult airway: failed direct and video laryngoscopy
                  Butwick/Ramamurthi
               8 Anticipated difficult airway: unstable C-spine
                  Tanaka/Jaffe
               9 Anticipated difficult airway: retrognathia
                  Panousis/Drover
               10 Anticipated difficult airway: difficult fiberoptic intubation
                   Zaafran/Malott

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.

Please register early – space is limited!
DESCRIPTION OF HANDS-ON DIFFICULT AIRWAY WORKSHOP 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, Mihm, Goldhaber-Fiebert

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, Mihm, Goldhaber-Fiebert

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, Mihm, Goldhaber-Fiebert

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

Difficult Airway Skills Workshop
10 difficult airway stations arranged in 2 blocks, 5 stations each

1.  Video Laryngoscopy
    Zaafran

2.  Fiberoptic Stylets/Light Wands
    Panousis

3.  Lung Separation Techniques
    Kulkarni

4.  Supraglottic Airways
    Butwick

5.  Intubating LMA
    Nekhendzy

6.  Pediatric Airway
    Claure, Jagannathan, Ramamurthi, Albert

7.  Emergency Airway & Airway Ultrasound
    Bucks, Wagner, Joshi, Damrose, Cintron

8.  Exubation of Difficult Airway & Airway Exchange Catheters
    Behringer

9.  Retrograde Intubation
    Tanaka

10. Simulation
    Brun

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
Please register early – space is limited!
Attendees’ Comments

“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.”

“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.”

“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!