



**HARVARD**  
MEDICAL SCHOOL

Earn up to:

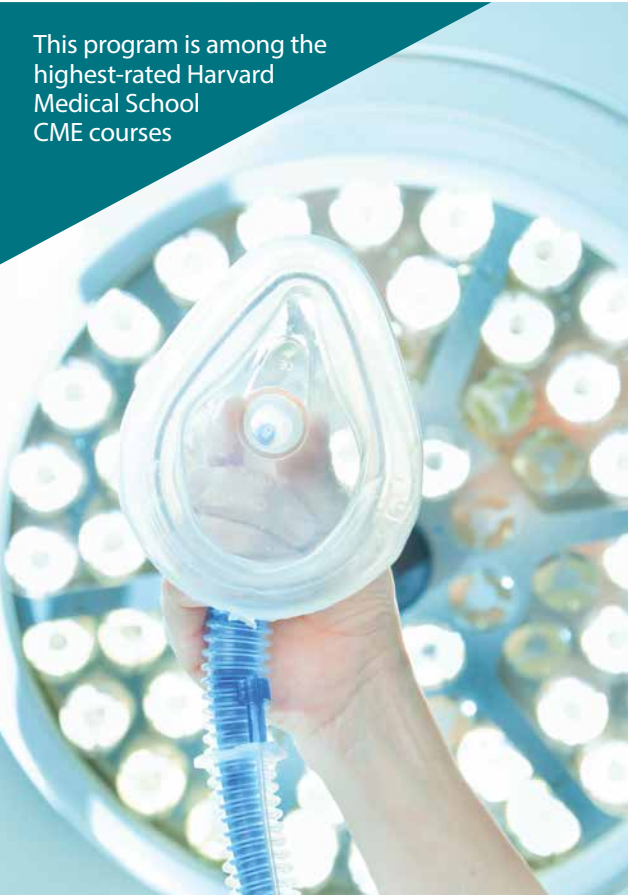
- 54.00 AMA PRA Category 1 Credits™
- 17.50 Credits Risk Management Study
- 50.75 AANA Class A CE credits

# ANESTHESIOLOGY UPDATE 2019

Boston, MA • May 13-17, 2019

Education, Advances, and Updates to Optimize Patient Outcomes  
Guidelines, Practice Recommendations, Drug Updates, Risk Management

This program is among the  
highest-rated Harvard  
Medical School  
CME courses



- Perioperative myocardial protection
- Evidence-based neuroprotection strategies
- Trauma and blood management
- Difficult airway
- Advances in regional anesthesia
- Care of the parturient
- Apology and disclosure
- Opioid crisis
- New drugs in the anesthesia pipeline
- Multimodal general anesthesia
- Enhanced recovery after surgery
- End-of-life care
- Preventing burnout

### Optional Hands-On Workshops

- Regional Anesthesia
- ACLS Recertification
- Difficult Airway
- Acupuncture
- Meditation for Stress Mitigation

### Optional Excursion

- Tour of the Ether Dome

Register at [Anesthesiology.HMSCME.com](http://Anesthesiology.HMSCME.com)



# Harvard Medical School Faculty

## Course Director

Sugantha Sundar, MD

## Co-Directors

Keira P. Mason, MD

Jeremi R. Mountjoy, MD, MSc, FRCPC

Assia Valovska, MD

Paul Alfille, MD

Musa Aner, MD

Nelson Aquino, CRNA, MS

Angela M. Bader, MD, MPH

Xiaodong Bao, MD, PhD

Brian T. Bateman, MD, MSc

Rachelle Bernacki, MD

Somnath Bose, MD

Emery Brown, MD, PhD

Lauren Buhl, MD, PhD

Hovig Chitilian, MD

Hyun Kee Chung, MD

Gregory J. Crosby, MD

Jaime L. Daly, MD

Jennifer Dearden, MD

Michaela Farber, MD

Lynne R. Ferrari, MD

Patricia H. Folcarelli, RN, MA, PhD

Brian Gelfand, MD

Susan Goobie, MD, FRCPC

Jonathan Griswold, MD

Philip Hess, MD

David Janfaza, MD

Stephanie B. Jones, MD

Bhavani Shankar Kodali, MD

Galina Korsunsky, MD

Pete Kovatsis, MD

Cindy Man-Yan Ku, MD

Lisa Kunze, MD, PhD

Kathleen Lee, MD

Lisa Leffert, MD

Adam Lerner, MD

Yuan-Chi Lin, MD, MPH

Philipp Lirk, MD, MSc, PhD

Feroze Mahmood, MD, FASE

Keira P. Mason, MD

Andrew Miller, MD

Sue E. Morris, PsyD

Jeremi R. Mountjoy, MD, MSc, FRCPC

J. Daniel Muehlschlegel, MD, MMSc

Anh Ngo, MD

Ala Nozari, MD, PhD

Achikam Oren-Grinberg, MD, MS

Vilma E. Ortiz, MD

Qi Ott, MD

Ameeka Pannu, MD

John Pawlowski, MD, PhD

Stephen D. Pratt, MD

Andrey Rakalin, MD

Satya Krishna Ramachandran, MD

Paragi Rana, MD

Fred Shapiro, DO

David Silver, MD

Thomas Simopoulos, MD, MA

Joan Spiegel, MD

Richard Steinbrook, MD

Scott Streckenbach, MD

Balachundhar Subramaniam, MD, MPH

Eswar Sundar, MD

Sugantha Sundar, MD

Jeffrey Swanson, MD

Nelson Thaemert, MD

Lawrence C. Tsen, MD

Cynthia Tung, MD, MPH

Lynne Uhl, MD

Janet Valicenti, CRNA

Assia Valovska, MD

Ivan Valovski, MD

Susan Vassallo, MD

Lisa Warren, MD

Jeanine P. Wiener-Kronish, MD

Sarah Wiser, MD

Zhiling Xiong, MD

Stephanie Yacoubian, MD

Steven E. Zgleszewski, MD, FAAP

## Featured Guest Speakers

### Stefan De Hert, MD, PhD

President, European Society of Anaesthesiology

Professor of Anesthesiology

Director of Research

Department of Anesthesiology

Ghent University Hospital

Ghent University, Belgium

### Talmage D. Egan, MD

Professor and Chair

Department of Anesthesiology

University of Utah

### Naveen Eipe, MBBS, MD

Assistant Professor, University of Ottawa

Clinical Lead, Bariatric Anesthesia Program

The Ottawa Hospital

VP (Education), International Society for the Perioperative Care of the Obese Patient (ISPCOP)

### Lee A. Fleisher, MD

Robert D. Dripps Professor and Chair

Department of Anesthesiology and Critical Care

Professor of Medicine, Perelman School of Medicine

Senior Fellow, Leonard Davis Institute of Healthcare Economics

University of Pennsylvania

### Walid Habre, MD, PhD

Ordinary Professor of Anaesthesiology

Faculty of Medicine, Geneva University

Senior Consultant in Paediatric Anaesthesia

Head of the Unit of Anaesthesiological Investigations

Geneva University Hospitals, Geneva, Switzerland

### Gregory Hammer, MD

Professor of Pediatrics (Intensive Care) and Anesthesiology,

Perioperative and Pain Medicine

Stanford University School of Medicine

Director of Research, Pediatric Anesthesiology

Lucile Packard Children's Hospital at Stanford

### Brian E. McGeeney, MD, MPH, MBA

Assistant Professor of Neurology

Boston University School of Medicine

### Michael (Monty) G. Mythen, MBBS, MD, FRCA, FFICM, FCAI (Hon)

Smiths Medical Professor of Anaesthesia and Critical Care

University College London

Director, UCL Discovery Lab at the Institute of Sport

Exercise and Health

### Ellen O'Sullivan, FRCA, FCAI, FCPSP

Consultant, Anaesthesia & Intensive Care, St. James Hospital

Dublin, Ireland

Council Member, Royal College of Anaesthetists, UK

Chair, Global Partnerships Committee

Past President, College of Anaesthetists of Ireland

Past President, Difficult Airway Society

Executive Director, World Airway Management Meeting—

WAMM2019

### Philippe Richebé, MD, PhD, DESAR

Associate Professor of Anesthesiology

Director of Research

Department of Anesthesiology and Pain Medicine

University of Montreal

Maisonneuve-Rosemont Hospital, CEMTL

Montreal, Canada

### Daniel I. Sessler, MD

Michael Cudahy Professor and Chair

Department of Outcomes Research

Cleveland Clinic

### Brian D. Sites, MD

Professor of Anesthesia and Professor of Orthopaedics

Geisel School of Medicine at Dartmouth

### Anasuya Vasudevan, MD, FRCA

Staff Anesthesiologist

Geisinger Commonwealth School of Medicine

Danville, PA

### Christian Werner, MD, PhD

Professor of Anesthesiology

Johannes Gutenberg University

Mainz, Germany

# Anesthesiology Update 2019

## Course Description

This in-depth course, sponsored by the Harvard Medical School Departments of Anesthesia and Continuing Education, is intended to provide anesthesia practitioners with a comprehensive review of the most important advances in clinical anesthesiology and each of its major subspecialties, including ambulatory, thoracic, pediatric, obstetric, regional, and cardiac anesthesia. The program will include lectures, panel discussions, problem-based discussions, and workshops, along with ample time for interaction with faculty.

The course will include basic principles, while emphasizing clinical problems and controversial aspects of patient care. We will continue our popular format from previous years, with intensive all-day programs and evening workshops to provide hands-on instruction and practice, demonstrating our commitment to lifelong learning and providing a dynamic continuing educational experience to clinical and research professionals in the field of anesthesiology.

## Learning Objectives

Upon completion of this course, participants will be able to:

- Adopt principles for practicing perioperative ultrasound
- Diagnose and develop a treatment plan for cerebrovascular emergencies
- Recognize best practices in preoperative evaluation and risk assessment
- Integrate updated guidelines into practice when managing the difficult airway
- Implement current principles for appropriate opioid use and pain management
- Embrace the latest evidence-based practices in obstetric anesthesia
- Incorporate multimodal general anesthesia and enhanced recovery into clinical practice
- Adopt best practices in managing patients with morbid obesity and sleep apnea
- Integrate evidence-based protocols when practicing regional anesthesia
- Accept new drugs into anesthesia practice

## Course Highlights



- Perioperative myocardial protection
- Evidence-based neuroprotection strategies
- Trauma and blood management
- Difficult airway
- Advances in regional anesthesia
- Care of the parturient
- Apology and disclosure
- Opioid crisis
- New drugs in the anesthesia pipeline
- Multimodal general anesthesia
- Enhanced recovery after surgery
- End-of-life care
- Preventing burnout

## Who Should Attend

- Anesthesiologists
- Nurse Anesthetists
- Anesthesiologist Assistants
- Residents and Fellows
- Student Nurse Anesthetists

## Accreditation

### ACCREDITATION COUNCIL FOR CONTINUING MEDICAL EDUCATION

The Harvard Medical School is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The Harvard Medical School designates this live activity for a maximum of **54.00 AMA PRA Category 1 Credits™**.

Physicians should claim only the credit commensurate with the extent of their participation in the activity.

- Course only, no Lunch-and-Learn Roundtable Discussions = 37.75 AMA PRA Category 1 Credits™
- Course, including optional Lunch-and-Learn Roundtable Discussions (5.00) = 42.75 AMA PRA Category 1 Credits™
- Course (37.75) with Tues. Regional Workshop (3.75), Weds. Airway Workshop (3.75), and Thurs. ACLS Workshop (3.75) = a maximum of 49.00 AMA PRA Category 1 Credits™
- Course (37.75) with Tues. Ether Dome Tour (2.25) = 40.00 AMA PRA Category 1 Credits™

### NURSE ANESTHETISTS

This program has been prior approved by the American Association of Nurse Anesthetists for 50.75 Class A CE credits; Code Number 1036969; Expiration Date 5/17/2019.

### RISK MANAGEMENT

This activity meets the criteria of the Massachusetts Board of Registration in Medicine for 17.50 credits of Risk Management Study. This includes 7.00 credits in Opioid Education and Pain Management Training and 1.75 credits of End-of-Life Care Studies. Please check your individual state licensing board requirements before claiming these credits.

### CANADIAN ACCREDITATION

The Royal College of Physicians and Surgeons of Canada recognizes conferences and workshops held outside of Canada that are developed by a university, academy, hospital, specialty society or college as accredited group learning activities.

### EUROPEAN ACCREDITATION

Through an agreement between the American Medical Association and the European Union of Medical Specialists, physicians may convert *AMA PRA Category 1 Credit™* to an equivalent number of European CME Credits® (ECMECs®). Information on the process of converting *AMA PRA Category 1 Credits™* to ECMECs® can be found at: [www.eaccme.eu](http://www.eaccme.eu).

# Agenda

## Monday, May 13

6:30-7:30 Registration and Continental Breakfast

### Physiology and Pharmacology: The New Essentials

Moderator: Sugantha Sundar, MD

7:30-8:15 **TIVA vs. Inhalation Anesthesia: A Practical Comparison**  
Talmage D. Egan, MD

8:15-9:00 **Anesthesiologists as Master Physiologists: The New Perioperative Physician**  
Jeanine P. Wiener-Kronish, MD

9:00-9:45 **Management of Patients with Obesity: Best Practices in Clinical Pharmacology of Intravenous Anesthetics**  
Talmage D. Egan, MD

9:45-10:00 **Q&A**  
Drs. Egan, Sundar and Wiener-Kronish

10:00-10:15 *Break (refreshments provided)*

### Improving Outcomes for Our Patients

Moderator: Keira P. Mason, MD

10:15-11:00 **Findings from the Perioperative Brain Health Initiative and Their Impact on Day-to-Day Practice**  
Lee A. Fleisher, MD

11:00-11:45 **Measuring Patient Outcomes in the Perioperative Period**  
Lee A. Fleisher, MD

11:45-12:30 **Updates in Multimodal General Anesthesia Principles and Practices**  
Emery Brown, MD, PhD

12:30-12:45 **Q&A**  
Drs. Brown, Mason and Fleisher

12:45-2:15 **Optional Lunch-and-Learn Roundtables**

12:45-2:15 **Mitigate Stress: Easy and Practical Meditation Strategies for the Anesthesia Practitioner**  
Balachundhar Subramaniam, MD, MPH (Optional—no fee; limited to first 100 registrants.) *Lunch provided.*

### Airway Management in 2019

Moderator: Hovig Chitilian, MD

2:15-3:00 **Improved Methods for Awake Fiberoptic Intubation and New Difficult Airway Society Guidelines**  
Ellen O'Sullivan, FRCA, FCAI, FCPSP

3:00-3:45 **The Role of Videolaryngoscopy in 2019**  
Hovig Chitilian, MD

3:45-4:30 **Emergency Surgical Airway following "Can't Intubate and Can't Oxygenate"**  
Ellen O'Sullivan, FRCA, FCAI, FCPSP

4:30-5:15 **Key Lessons Learned from the Difficult Airway Registry**  
Pete Kovatsis, MD

5:15-5:30 **Q&A**  
Drs. Chitilian, Kovatsis and O'Sullivan

### Reception and Scientific Poster Session

5:30-7:30 **Join faculty and colleagues for refreshments and current research in anesthesiology**  
Detailed submission guidelines, abstract submission form, and disclosure form can be found at: [Anesthesiology.HMSCME.com/abstracts](http://Anesthesiology.HMSCME.com/abstracts)

## Tuesday, May 14

6:30-7:30 Continental Breakfast

### What Is New in the Anesthesia Literature?

Moderator: Sugantha Sundar, MD

7:30-8:10 **Myocardial Injury after Non-Cardiac Surgery**  
Daniel I. Sessler, MD

8:10-8:50 **Nitrous Oxide in Adult Anesthesia: Is This the End?**  
Philippe Richebé, MD, PhD, DESAR

8:50-9:00 **Q&A**  
Drs. Richebé, Sessler and Sundar

9:00-9:15 *Break (refreshments provided)*

### Tools to Reduce Hospital Length of Stay

Moderator: Jeremi R. Mountjoy, MD, MSc, FRCPC

9:15-9:55 **How to Implement Enhanced Surgical Recovery and Get It to Stick**  
Michael (Monty) G. Mythen, MBBS, MD, FRCA, FFICM, FCAI (Hon)

9:55-10:25 **Persistent Postsurgical Pain (PPSP): The Science and Clinical Implications for the Anesthesia Practitioner**  
Philippe Richebé, MD, PhD, DESAR

10:25-10:55 **Perioperative Thermoregulation**  
Daniel I. Sessler, MD

10:55-11:20 **Clinical Applications of Tranexamic Acid: When It's a Friend (and When It's a Foe)**  
Susan Goobie, MD, FRCPC

11:20-11:30 **Q&A**  
Drs. Goobie, Mountjoy, Mythen, Richebé and Sessler

11:30-1:00 **Optional Lunch-and-Learn Roundtables**

### Preoperative Assessment

Moderator: Assia Valovska, MD

1:00-1:30 **Challenging Cases in Anesthesiology: Adult Patients**  
Angela M. Bader, MD, MPH

1:30-2:00 **Challenging Cases in Anesthesiology: Pediatric Patients**  
Lynne R. Ferrari, MD

2:00-2:15 **Q&A**  
Drs. Bader, Ferrari and Valovska

2:15-2:30 *Break (refreshments provided)*

### Care of the Parturient

Moderator: Philip Hess, MD

2:30-3:00 **HELLP! How to Keep Moms with Preeclampsia Safe**  
Brian T. Bateman, MD, MSc

3:00-3:30 **Practicing Obstetric Anesthesia in the Wake of Drug Shortages**  
Lisa Leffert, MD

3:30-4:00 **Cardiac Disease in the Parturient**  
Philip Hess, MD

4:00-4:30 **Obstetric General Anesthesia: Ten Ways to Reduce Risk and Incidents**  
Lawrence C. Tsen, MD

4:30-5:00 **PDPH Diagnosis and Treatment: Review of Recent Research and Its Immediate Clinical Implications**  
Michaela Farber, MD

5:00-5:30 **Q&A**  
Drs. Bateman, Farber, Hess, Leffert and Tsen

### Optional Workshop or Tour

5:30-10:00 **Regional Anesthesia Workshop**  
Hyun Kee Chung, MD (*Limited to 50 attendees*)  
Includes dinner

5:30-8:00 **Ether Dome Tour**  
Susan Vassallo, MD (*Limited to 50 attendees*)  
Includes transportation and refreshments

# Agenda

## Wednesday, May 15

6:30-7:30	<i>Continental Breakfast</i>
<b>Old Debates: New Evidence</b> Moderator: Keira P. Mason, MD	
7:30-8:10	<b>Fit for Surgery: What Does This Mean?</b> Michael (Monty) G. Myrthen, MBBS, MD, FRCA, FFICM, FCAI (Hon)
8:10-8:50	<b>Fluids or Vasopressors: From Waterworld to Wasteland</b> Walid Habre, MD, PhD
8:50-9:30	<b>Perioperative Management of Traumatic Brain Injury</b> Christian Werner, MD, PhD
9:30-10:05	<b>Controlled Rapid Sequence Induction and Intubation in Children</b> Walid Habre, MD, PhD
10:05-10:15	<b>Q&amp;A</b> Drs. Habre, Mason, Myrthen and Werner
10:15-10:30	<i>Break (refreshments provided)</i>
<b>Everyday Clinical Challenges</b> Moderator: Keira P. Mason, MD	
10:30-11:10	<b>Monitoring the Central Nervous System in 2019</b> Christian Werner, MD, PhD
11:10-11:50	<b>Are We Poisoning Our Patients? Neurotoxicity and Other Toxicity of Anesthetic Agents in Children</b> Gregory Hammer, MD
11:50-12:30	<b>Perioperative Management of Implantable Cardioverter Defibrillator</b> Scott Streckenbach, MD
12:30-12:45	<b>Q&amp;A</b> Drs. Hammer, Mason, Streckenbach and Werner
12:45-2:15	<b>Optional Lunch-and-Learn Roundtables</b>
<b>The Experts Speak</b> Moderator: Assia Valovska, MD	
2:15-2:40	<b>Advances and New Research in Cardiac Anesthesia</b> J. Daniel Muehlschlegel, MD, MMSc
2:40-3:05	<b>Improving Outcomes in Esophageal Surgery</b> Jeremi R. Mountjoy, MD, MSc, FRCPC
3:05-3:30	<b>Establishing and Refining a Culture of Safety in Anesthesia and Sedation</b> Keira P. Mason, MD
3:30-3:45	<b>Q&amp;A</b> Drs. Mason, Mountjoy, Muehlschlegel and Valovska

### Clinical Pearls: Regional Anesthesia

Moderator: Jeremi R. Mountjoy, MD, MSc, FRCPC

3:45-4:15	<b>Epidural Anesthesia in the Modern Era: The Case for Routine Use of Fluoroscopy</b> Brian D. Sites, MD
4:15-4:45	<b>An Indispensable Refresher on Local Anesthetics</b> Philipp Lirk, MD, MSc, PhD
4:45-5:15	<b>Liposomal Bupivacaine: Lessons Learned</b> Brian D. Sites, MD
5:15-5:30	<b>Q&amp;A</b> Drs. Lirk, Mountjoy and Sites

### Optional Skills Development Workshop

5:30-10:00	<b>Difficult Airway Workshop</b> Andrew Miller, MD ( <i>Limited to 50 attendees</i> ) Off site—Includes dinner and transportation
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*Disclaimer: CME activities accredited by Harvard Medical School are offered solely for educational purposes and do not constitute any form of certification of competency. Practitioners should always consult additional sources of information and exercise their best professional judgment before making clinical decisions of any kind.*

## Thursday, May 16

6:30-7:30	<i>Continental Breakfast</i>
<b>Protecting Myocytes: The Aging Neurons</b> Moderator: Sugantha Sundar, MD	
7:30-8:10	<b>Cardioprotective Effects of Anesthetic Agents: Myth or Reality?</b> Stefan De Hert, MD, PhD
8:10-8:50	<b>The Aging Anesthesia Practitioner</b> Gregory J. Crosby, MD
8:50-9:30	<b>What to Do with Perioperative Beta-Blocking Therapy, Anno 2019</b> Stefan De Hert, MD, PhD
9:30-9:45	<b>Q&amp;A</b> Drs. Crosby, De Hert and Sundar
9:45-10:00	<i>Break (refreshments provided)</i>
<b>Perioperative Care of the Obese Patient</b> Moderator: Stephanie B. Jones, MD	
10:00-10:30	<b>Predicting and Managing MODA: The Morbid Obesity Difficult Airway</b> Naveen Eipe, MBBS, MD
10:30-11:00	<b>Evidence-Based Management of Obstructive Sleep Apnea</b> Eswar Sundar, MD
11:00-11:30	<b>The Obese Patient in the PACU: VTE, Rhabdomyolysis and PONV</b> Stephanie B. Jones MD
11:30-12:00	<b>Ambulatory Surgery in Morbid Obesity: Controversies and Conundrums</b> Naveen Eipe, MBBS, MD
12:00-12:15	<b>Q&amp;A</b> Drs. Eipe, Jones and Sundar
12:15-1:45	<b>Optional Lunch-and-Learn Roundtables</b>
<b>The Art of Ambulatory and Office-Based Anesthesia</b> Moderator: Jeremi R. Mountjoy, MD, MSc, FRCPC	
1:45- 2:15	<b>Office-Based Anesthesia: Practice Management and Accreditation</b> Fred Shapiro, DO
2:15-2:45	<b>Anticoagulants and Regional Anesthesia</b> Lisa Kunze, MD, PhD
2:45-3:15	<b>Clinical Applications of Ketamine</b> Satya Krishna Ramachandran, MD
3:15-3:30	<b>Q&amp;A</b> Drs. Kunze, Mountjoy, Ramachandran and Shapiro
3:30-3:45	<i>Break (refreshments provided)</i>

### Hot Topics in Pain Management

Moderator: Assia Valovska, MD

3:45-4:15	<b>Placebo and Clinical Practice</b> Brian E. McGeeney, MD, MPH, MBA
4:15-4:45	<b>Establishing a Smooth Transition of Care: From Acute to Chronic Pain</b> Musa Aner, MD
4:45-5:15	<b>Evidence-Based Perioperative Management of the Opioid-Tolerant Patient</b> Thomas Simopoulos, MD, MA
5:15-5:30	<b>Q&amp;A</b> Drs. Aner, McGeeney, Simopoulos and Valovska

### Optional Skills Development Workshop

5:30-10:00	<b>ACLS Workshop</b> Hovig Chitilian, MD ( <i>Limited to 50 attendees</i> ) Includes dinner
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*Program changes/substitutions may be made without notice. To view the most up-to-date version of the course program, please visit the course website.*

# Agenda

## Friday, May 17

6:30-7:30 Continental Breakfast

### Management of Trauma and Hemorrhage

Moderator: Jeremi R. Mountjoy, MD, MSc, FRCPC

7:30-8:10 **Stat Trauma to the Operating Room: Management Pearls**  
David Silver, MD

8:10-8:50 **Point-of-Care Ultrasound**  
Feroze Mahmood, MD, FASE

8:50-9:25 **Factor Concentrates in the Perioperative Period**  
Adam Lerner, MD

9:25-10:00 **Perioperative Blood Transfusion Guidelines**  
Lynne Uhl, MD

10:00-10:15 **Q&A**  
Drs. Lerner, Mahmood, Mountjoy, Silver and Uhl

10:15-10:30 *Break (refreshments provided)*

### End-of-Life Care

Moderator: Keira P. Mason, MD

10:30-11:05 **Comfort: Symptom Management for Patients at the End of Life**  
Kathleen Lee, MD

11:05-11:40 **Communication Needs of Patients and Their Families at the End of Life**  
Rachelle Bernacki, MD

11:40-12:15 **Continuity: Hospice Care and Care of the Bereaved**  
Sue E. Morris, PsyD

12:15-12:45 **Q&A**  
Drs. Bernacki, Lee, Mason and Morris

12:45-1:00 **Closing Remarks**  
Sugantha Sundar, MD

## Lunch-and-Learn Roundtables

Tailor your education at Anesthesiology Update 2019 with the optional buffet Lunch-and-Learn Roundtables listed below. Each luncheon session focuses in depth on one important topic, with insights provided and interactive discussion led by a master clinician or subject matter expert. Participation is limited to 25 attendees per session to ensure all participants get their questions answered.

### Monday, May 13

**Saving for Retirement: Getting Started, Understanding the Options, and Maximizing Savings for the Long Haul\***  
Jonathan Griswold, MD

**Risk Mitigation: Apology and Disclosure—Support for the Second Victim**  
Patricia H. Folcarelli, RN, MA, PhD and Stephen D. Pratt, MD

**Simple, Effective Solutions for the Management of the Narcotic-Tolerant Patient**  
Paragi Rana, MD

**The Witches' Brew: Street Drugs in 2019**  
Assia Valovska, MD

### Tuesday, May 14

**Perioperative Lung Ultrasound**  
Achikam Oren-Grinberg, MD, MS

**Financial Considerations for Those Nearing or Entering Retirement: Approaches for Asset Utilization, Social Security, and RMDs\***  
Jonathan Griswold, MD

**Managing the Obese Parturient**  
Wilma E. Ortiz, MD

**Challenging Cases from the Thoracic Operating Room**  
Qi Ott, MD and Nelson Thaemert, MD

### Wednesday, May 15

**Becoming More Resilient in the Most Stressful Jobs of Anesthesiology and Critical Care Medicine (How to Thrive, Not Just Survive, in the OR and ICU)**  
Gregory Hammer, MD

**Strategies for Saving for College\***  
Jonathan Griswold, MD

**Tracheostomy Placement: Not Merely Plug and Play**  
Stephanie Yacoubian, MD

**Acupuncture Workshop**  
Yuan-Chi Lin, MD, MPH and Cynthia Tung, MD, MPH

**The CRNA Perspective: Academic versus Private Practice**  
Janet Valicenti, CRNA and Nelson Aquino, CRNA, MS

### Thursday, May 16

**Corporate Structure and Financial Implications for Private Anesthesia Practice**  
Anh Ngo, MD

**Anesthetic Implications for Mechanical Thrombectomy after Embolic Stroke** Lauren Buhl, MD, PhD and Ala Nozari, MD, PhD

**Managing the Pregnant Patient for Non-Obstetric Surgery**  
Jaime L. Daly, MD and Richard Steinbrook, MD

**Blocks Beyond the Sciatic Nerve: When and How**  
Ivan Valovski, MD

**The Everyday and the Rare: Anesthesia for Interventional Pulmonology Procedures** Ameeka Pannu, MD and John Pawlowski, MD, PhD



### Optional Tour of the Ether Dome Tuesday evening, May 14

**IMPORTANT NOTE:** These roundtable luncheons are not included with the standard conference registration. You must add them onto your registration. Slots are filled on a first-come, first-served basis, and most or all roundtables will sell out, so early registration is strongly recommended.

\*Personal finance sessions not eligible for AMA PRA Category 1 Credit™



# HARVARD MEDICAL SCHOOL

## ANESTHESIOLOGY UPDATE 2019

MAY 13-17, 2019  
BOSTON, MA

More than 80 nationally and internationally renowned leaders in the fields of **Ambulatory, Cardiac, Critical Care, Obstetric, Pain Management, Pediatric, Regional, and Thoracic Anesthesiology** provide focused education, pairing updates and best practices with specific recommendations to incorporate them into practice for improved patient care.

*A special feature of the 2019 program is the degree to which you can customize your learning experience.*

*Choose from 23 roundtables and skills development workshops to align your experience with your specific practice needs.*

## Results-Driven Education

- ▶ Patient safety
- ▶ Clinical outcomes
- ▶ Quality measures
- ▶ Improved hands-on skills
- ▶ Clinician wellness
- ▶ Risk reduction



Register at [Anesthesiology.HMSCME.com](http://Anesthesiology.HMSCME.com)

# REGISTRATION INFORMATION



# HARVARD MEDICAL SCHOOL

## Anesthesiology Update 2019

(Course #732425-1902)

	Tuition
<b>Physicians and CRNAs</b>	\$1,495
<b>Residents, Fellows, and Students</b>	\$1,295
<b>Optional Activities</b>	
<b>Optional Lunch-and-Learn Roundtables</b> <i>Monday through Thursday afternoons</i> <i>(Each roundtable limited to a maximum of 25 participants)</i>	\$75 each
<b>Optional Workshops</b> <i>(Optional workshops limited to a maximum of 50 participants)</i>	
<b>Tuesday evening, May 14</b> Ether Dome Tour (off site): Includes refreshments and transportation or Regional Anesthesia Workshop (on site): Includes dinner	\$85 \$350
<b>Wednesday evening, May 15</b> Difficult Airway Workshop (off site): Includes dinner and transportation	\$350
<b>Thursday evening, May 16</b> ACLS Workshop (on site): Includes dinner	\$350

Your tuition includes all breakfasts and coffee breaks, a reception and poster session on the evening of Monday, May 13, and complimentary internet in the meeting room. All attendees of Anesthesiology Update 2019 will receive an electronic syllabus.

## Registration, Payment, Confirmation and Refund Policy

Registrations for Harvard Medical School CME programs are made via our secure online registration system. To register for this course, please visit the course website at [Anesthesiology.HMSCME.com](http://Anesthesiology.HMSCME.com).

At the end of the registration process, a \$10 non-refundable processing fee will be added to your registration, and you will have the choice of paying by check, credit card (Visa, MasterCard, or American Express), or wire transfer in USD. If you are paying by check (draft on a US bank), the online registration system will provide you with instructions for remitting your course fees. Postal, telephone, fax, and cash-payment registrations are not accepted. Fees shown in USD.

Upon receipt of your paid registration, an email confirmation will be sent to you. Be sure to include an email address that you check frequently. Your email address is used for critical information, including registration confirmation, evaluation, and certificate. Refunds, less an administrative fee of \$75, will be issued for all cancellations received two weeks prior to the start of the course. Refund requests must be received by email. No refund will be issued should cancellation occur less than two weeks prior. "No shows" are subject to the full course fee and no refunds will be issued once the conference has started.

## VENUE

Fairmont Copley Plaza  
138 St. James Avenue • Boston, Massachusetts  
+1 617-267-5300



## ACCOMMODATIONS\*

A limited number of discounted rooms have been reserved at Fairmont Copley Plaza until April 18, 2019. You can call the hotel reservation line at 1-800-441-1414 to make a room reservation. When calling the hotel, please specify that you are enrolled in this activity to request a reduced room rate. Hotel arrangements may also be made online by April 18, 2019 by visiting the course website and clicking on the dedicated reservation link on the Venue page.

*\*Please book early, as the discounted rooms may sell out before the deadline.*

**Please do not make non-refundable travel arrangements until you have received an email confirming your paid registration.**

## INQUIRIES

Call 617-384-8600 Monday – Friday, 9am – 5pm (ET). Send email to [CEPrograms@hms.harvard.edu](mailto:CEPrograms@hms.harvard.edu)

Register at [Anesthesiology.HMSCME.com](http://Anesthesiology.HMSCME.com)