



**HARVARD**  
MEDICAL SCHOOL

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- 63.50 AMA PRA Category 1 Credits™
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# ANESTHESIOLOGY UPDATE 2018

Boston, MA • May 14-18, 2018

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



- Consciousness, Memory and Coma
- Evaluating Novel Airway Devices
- Managing Traumatic Brain Injury
- Ambulatory Extended Recovery
- The Art of Handoff: Best Practices
- Opioid-Induced Hyperalgesia
- Perioperative Anemia and Blood Management
- Preoperative Cardiac Evaluation
- New Drugs in Anesthesia
- Point-of-Care Ultrasound
- Opioid and Pain Management
- End-of-Life Care
- Patient Safety
- Wellness in Anesthesia Providers

#### Optional Hands-On Workshops

- Regional Anesthesia
- ACLS Recertification
- Difficult Airway
- Point-of-Care Ultrasound
- Clinician Wellness/Combating Burnout

#### Optional Excursion

- Tour of the Ether Dome

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



Beth Israel Deaconess  
Medical Center



Boston Children's Hospital  
Until every child is well

BRIGHAM HEALTH

BRIGHAM AND  
WOMEN'S HOSPITAL



MASSACHUSETTS  
GENERAL HOSPITAL

# Harvard Medical School Faculty

## Course Director

Sugantha Sundar, MD

## Co-Directors

Keira P. Mason, MD

Jeremi R. Mountjoy, MD, MSc, FRCPC

Assia Valovska, MD

Aalok Agarwala, MD

Vimal Akhouri, MD

Paul Alfillie, MD

Walid Alrayashi, MD

Angela Bader, MD, MPH

Xiaodong Bao, MD, PhD

Sheila Barnett, MD

Rachelle Bernacki, MD

Somnath Bose, MD

Emery Brown, MD, PhD

Hovig Chitilian, MD

Hyun Kee Chung, MD

Mabel Chung, MD

Naida Cole, MD

Christopher Connor, MD

Jeffrey Cooper, PhD

Jerome Crowley, MD

Jennifer Dearden, MD

Matthias Eikermann, MD, PhD

Michaela Farber, MD

Lynne Ferrari, MD

Paul Firth, MBChB

Michael Fitzsimons, MD

Brian Gelfand, MD

Jonathan Griswold, MD

Aysha Hasan, MD

Philip Hess, MD

David Janfaza, MD

Adrian Jonan, MD

Stephanie Jones, MD

Brinda Bharat Kamdar, MD

Charles Kelly, MD

Bhavani Shankar Kodali, MD

Anjali Koka, MD

Galina Korsunsky, MD

Peter Kovatsis, MD

Cindy Man-Yan Ku, MD

Lisa Kunze, MD, PhD

Kathleen Lee, MD

Lisa Leffert, MD

Wilton Levine, MD

Yuan-Chi Lin, MD

Philipp Lirk, MD, PhD

Feroze Mahmood, MD, FASE

Pavan Mallur, MD

Keira P. Mason, MD

Robina Matyal, MD

Andrew Miller, MD

Arielle Mizrahi, MD

Vicki Modest, MD

Joshua Mollov, MD

Sue E. Morris, PsyD

Jeremi Mountjoy, MD, MSc, FRCPC

Sam Nia, MD

Ala Nozari, MD, PhD

Achikam Oren-Grinberg, MD

Vilma Ortiz, MD

Ameeka Pannu, MD

John Pawlowski, MD, PhD

Beverly K. Philip, MD

May Pian-Smith, MD

Satya Krishna Ramachandran, MD

Sharon Redd, MD

Monica Sa Rego, MD

Norma Sandrock, MD

Todd Sarge, MD

Kristin Schreiber, MD, PhD

Neel Shah, MD

Douglas Shook, MD

Joan Spiegel, MD

J. William Starks, MD

Peter Stefanovich, MD

Richard Steinbrook, MD

Scott Streckenbach, MD

Balachundhar Subramaniam, MD, MPH

Cornelius Sullivan, MD, FACS

Eswar Sundar, MD

Sugantha Sundar, MD

Jeffrey Swanson, MD

Nelson Thaemert, MD

Ajith Thomas, MD

Lawrence Tsen, MD

Richard Urman, MD

Assia Valovska, MD

Susan Vassallo, MD

Marcos Vidal Melo, MD, PhD

Kamen Vlassakov, MD

Jason Wakakuwa, MD

Lisa Warren, MD

Sarah Wisner, MD

Zhiling Xiong, MD

Jose Zeballos, MD

Steven Zgleszewski, MD, FAAP

## Featured Guest Speakers

### Jeffrey Apfelbaum, MD

Professor and Chair

Department of Anesthesia and Critical Care

University of Chicago

### John E. Ellis, MD

Adjunct Professor

Department of Anesthesiology and Critical Care

Perelman School of Medicine

University of Pennsylvania

### Walid Habre, MD, PhD

Head, Unit for Anaesthesiological Investigations

Senior Consultant, Paediatric Anaesthesia

Geneva University Hospitals, Switzerland

### Hugh C. Hemmings, Jr., MD, PhD, FRCA

Joseph F. Artusio Professor and Chair of Anesthesiology

Senior Associate Dean for Research

Professor of Pharmacology

Anesthesiologist-in-Chief

NewYork-Presbyterian Hospital/Weill Cornell Medicine

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

Assistant Professor of Neurology

Boston University School of Medicine

### Jaideep J. Pandit, MA, BM, DPhil, FRCA,

FFPMRCA, DM

Consultant Anaesthetist

Nuffield Department of Anaesthetics

Oxford University Hospitals NHS Trust

Associate Professor

Nuffield Department of Clinical Neurosciences

University of Oxford

### Philippe Richebé, MD, PhD, DESAR

Full Professor of Anesthesiology and Director of Research

University of Montreal, Maisonneuve Rosemont Hospital

CIUSSS de l'Est-de-l'Île-de-Montréal

### Sadhguru

Yogi, Mystic and Visionary

Founder, Isha Foundation

### Nicholas D. Schiff, MD, PhD

Jerold B. Katz Professor of Neurology and Neurosciences

Weill Cornell Medical College, New York, NY

### Michael Todd, MD

Professor and Vice Chair for Research

Department of Anesthesiology

University of Minnesota School of Medicine

Minneapolis, Minnesota

Professor Emeritus, Department of Anesthesia

University of Iowa Carver College of Medicine, Iowa City, IA

### Anasuya Vasudevan, MD, FRCA

Staff Anesthesiologist

Geisinger Commonwealth School of Medicine, Danville, PA

### Thomas R. Vetter, MD, MPH

Professor and Director of Perioperative Care

Department of Surgery and Perioperative Care

Professor of Population Health

Department of Population Health

Dell Medical School, The University of Texas at Austin

### Christian Werner, MD, PhD

Chair, Department of Anesthesiology

Universitätsmedizin, Johannes Gutenberg-Universität

Mainz, Germany

# Anesthesiology Update 2018

## 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
- Analyze OR efficiency metrics, assemble the evidence, and integrate into clinical practice
- Adopt 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
- Adopt the latest evidence-based practices in obstetric and thoracic anesthesia
- Incorporate the latest ASA standards, guidelines and practice parameters into clinical practice
- Adopt best practices in managing patients with morbid obesity and sleep apnea
- Integrate evidence-based protocols when practicing regional anesthesia
- Adopt new drugs into anesthesia practice

## 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 **63.50 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 = 36.75 AMA PRA Category 1 Credits™
- Course, including optional Lunch-and-Learn Roundtable Discussions (5.00) = 41.75 AMA PRA Category 1 Credits™
- Course (36.75) with Tues. Regional Workshop (4.25), Wed. ACLS Workshop (4.25) or Wed. Airway Workshop (4.00), Thurs. Point-of-Care Ultrasound Workshop (4.25) and Fri. Clinician Health Workshop (3.50) = a maximum of 53.00 AMA PRA Category 1 Credits™
- Course (36.75) with Thurs. Ether Dome Tour (2.50) = 39.25 AMA PRA Category 1 Credits™
- Course (36.75) with Fri. MOCA Course (5.50) = 42.25 AMA PRA Category 1 Credits™

### AMERICAN ASSOCIATION OF NURSE ANESTHETISTS

This program has been prior approved by the American Association of Nurse Anesthetists for 54.25 Class A CE credits; Code Number 1035549; Expiration Date 5/18/2018.

### RISK MANAGEMENT

This activity meets the criteria of the Massachusetts Board of Registration in Medicine for 13.00 hours of Risk Management Study. This includes 7.00 credits in Opioid Education and Pain Management Training and 2.00 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).

## Course Highlights



- Consciousness, Memory and Coma
- Evaluating Novel Airway Devices
- Managing Traumatic Brain Injury
- Ambulatory Extended Recovery
- The Art of Handoff: Best Practices
- Opioid-Induced Hyperalgesia
- Perioperative Anemia and Blood Management
- Preoperative Cardiac Evaluation
- New Drugs in Anesthesia
- Point-of-Care Ultrasound
- Opioid and Pain Management
- End-of-Life Care
- Patient Safety
- Wellness in Anesthesia Providers

## Who Should Attend

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

# Agenda

## Monday May 14

6:30-7:30 *Registration and Continental Breakfast*

### Adding Value to Anesthesia Practice

Moderator: Sugantha Sundar, MD

7:30-8:10 **Predicting the Difficult Airway: How It Can Be Done**  
Jaideep J. Pandit, MA, BM, DPhil, FRCA, FFPMRCA, DM

8:10-8:40 **Patient-Centered Shared Decision-Making for Surgery**  
Angela Bader, MD, MPH

8:40-9:20 **Demonstrating Your Added Value with Evidence-Based Perioperative Anemia and Blood Management**  
Thomas R. Vetter, MD, MPH

9:20-9:30 **Q&A**

9:30-9:45 *Break (refreshments provided)*

### Enhancing Patient Recovery

Moderator: Jeremi Mountjoy, MD, MSc, FRCPC

9:45-10:30 **Enhanced Recovery after Surgery: Getting It Right**  
Aalok Agarwala, MD

10:30-11:15 **Ambulatory Extended Recovery: Coming to an Operating Room Near You**  
Thomas R. Vetter, MD, MPH

11:15-11:30 **Q&A**

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

### State of the Art: Obstetric Anesthesia

Moderator: Philip Hess, MD

1:00-1:25 **Managing the Patchy Labor Epidural**  
Lawrence Tsen, MD

1:25-1:50 **The Pre-Eclamptic Patient in 2018: Case Studies**  
Philip Hess, MD

1:50-2:15 **Venous Thromboembolism and Selected Hematologic Disorders: Safety of Regional Anesthesia Techniques**  
Lisa Leffert, MD

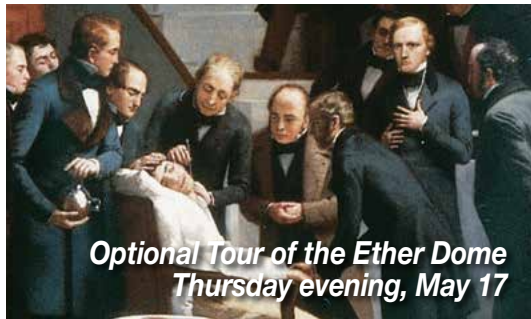
2:15-2:40 **Evidence-Based Management of Postpartum Hemorrhage**  
Michaela Farber, MD

2:40-3:00 **Q&A**

### Keynote Presentation

4:30-6:30 **Memory, Consciousness and Coma**  
Emery Brown, MD, PhD and Nicholas D. Schiff, MD, PhD in conversation with Sadhguru  
*Sanders Theatre – Harvard University  
Transportation and refreshments provided*

*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.*



**Optional Tour of the Ether Dome  
Thursday evening, May 17**

## Tuesday May 15

6:30-7:30 *Continental Breakfast*

### Patient Safety in 2018

Moderator: Keira P. Mason, MD

7:30-8:15 **The Art of Handoff: Are You Following Best Practices?**  
Jeffrey Cooper, PhD

8:15-9:00 **Patient Safety: Preventing “Never Events” in Anesthetic Practice**  
Jaideep J. Pandit, MA, BM, DPhil, FRCA, FFPMRCA, DM

9:00-9:15 **Q&A**

9:15-9:30 *Break (refreshments provided)*

### New Data from the Pediatric World

Moderator: Keira P. Mason, MD

9:30-10:10 **Perioperative Use of Oxygen: What Is the Right Amount?**  
Walid Habre, MD, PhD

10:10-10:40 **Pediatric Difficult Airway: Anticipated and Unanticipated**  
Peter Kovatsis, MD

10:40-11:20 **Quality in Pediatric Anesthesia: The APRICOT Study**  
Walid Habre, MD, PhD

11:20-11:50 **Practical Tips on Making Your Operating Room Efficient While Keeping It Safe**  
Lynne Ferrari, MD

11:50-12:00 **Q&A**

12:00-1:30 **Optional Lunch-and-Learn Roundtables**

### New Guidelines and Checklists

Moderator: Jeremi Mountjoy, MD, MSc, FRCPC

1:30-2:05 **ASA Standards, Guidelines and Practice Parameters**  
Jeffrey Apfelbaum, MD

2:05-2:35 **Novel Concepts in Cardiopulmonary Resuscitation**  
Ala Nozari, MD, PhD

2:35-3:05 **Current Controversies in Ambulatory Anesthesia**  
Jeffrey Apfelbaum, MD

3:05-3:15 **Q&A**

3:15-3:30 *Break (refreshments provided)*

### Innovation in Regional Anesthesia and Pain Management

Moderator: Keira P. Mason, MD

3:30-3:55 **Upper Extremity Blocks in Patients with Challenging Anatomy**  
Lisa Kunze, MD, PhD

3:55-4:20 **Master Lower Extremity Blocks**  
Anasuya Vasudevan, MD, FRCA

4:20-4:45 **Psychedelic Medicine: What You Need to Know**  
Brian E. McGeeney, MD, MPH, MBA

4:45-5:10 **Minimizing Complications from Regional Anesthesia**  
Jose Zeballos, MD

5:10-5:30 **Q&A**

### Optional Workshop

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

# Agenda

## Wednesday May 16

6:30-7:30 *Breakfast*

### Update in Cardiovascular Risk Assessment and Pain Evaluation

Moderator: Keira P. Mason, MD

7:30-8:15	<b>Opioid-Induced Hyperalgesia: What You Need to Know</b> Philippe Richebé, MD, PhD, DESAR
8:15-9:00	<b>Preoperative Cardiac Evaluation: 30-Year Perspectives and Contrarian Views</b> John E. Ellis, MD
9:00-9:45	<b>Pain Monitoring during Anesthesia in 2018</b> Philippe Richebé, MD, PhD, DESAR
9:45-10:00	<b>Q&amp;A</b>
10:00-10:15	<i>Break (refreshments provided)</i>

### Clinician Health and Wellness

Moderator: Jeremi Mountjoy, MD, MSc, FRCPC

10:15-10:45	<b>Substance Use Disorder among Anesthesia Providers and Drug Testing</b> Michael Fitzsimons, MD
10:45-11:15	<b>Emotional Intelligence and Impact on Practice</b> Wilton Levine, MD
11:15-11:45	<b>Wellness and Burnout in Anesthesia Providers</b> John E. Ellis, MD
11:45-12:00	<b>Q&amp;A</b>
12:00-1:30	<b>Optional Lunch-and-Learn Roundtables</b>
12:00-1:30	<b>Mitigate Stress: Practical Meditation Strategy for the Anesthesia Provider</b> Balachundhar Subramaniam, MD, MPH (Optional – no fee; limited to 100 participants) <i>Lunch provided</i>

### The Experts Speak

Moderator: Hovig Chitilian, MD

1:30-1:55	<b>Complexity and Failure in Medicine</b> Neel Shah, MD
1:55-2:20	<b>Managing the Cirrhotic Patient for Non-Transplant Surgery</b> Jason Wakakuwa, MD
2:20-2:45	<b>Academic Insights into Global Health: Lessons Learned</b> Paul Firth, MBChB
2:45-3:10	<b>Anesthetic Management of Patients Presenting for Tracheal Resection</b> Hovig Chitilian, MD
3:10-3:30	<b>Q&amp;A</b>
3:30-3:45	<i>Break (refreshments provided)</i>

### Clinical Pearls

Moderator: Assia Valovska, MD

3:45-4:15	<b>The Morbidly Obese Patient: Minimize Risk and Improve Safety</b> Stephanie Jones, MD
4:15-4:45	<b>Frail, Feeble or Fit: Is Your Octogenarian Ready for the Operating Room?</b> Sheila Barnett, MD
4:45-5:15	<b>Newer Medications in Anesthesia Practice</b> Richard Urman, MD
5:15-5:30	<b>Q&amp;A</b>

### Optional Workshops

5:30-10:00	<b>Difficult Airway Workshop</b> Bhavani Shankar Kodali, MD and Andrew Miller, MD (Limited to 50 attendees) <i>Includes dinner and transportation</i>
5:30-10:00	<b>ACLS Workshop</b> Hovig Chitilian, MD (Limited to 50 attendees) <i>Includes dinner</i>

## Thursday May 17

6:30-7:30 *Continental Breakfast*

### New in the Literature

Moderator: Sugantha Sundar, MD

7:30-8:10	<b>Recent Advances in Central Nervous System Monitoring</b> Christian Werner, MD, PhD
8:10-8:50	<b>Neuromuscular Blockade Monitoring: How and Why?</b> Michael Todd, MD
8:50-9:30	<b>Anesthetic Neurotoxicity: Do Our Drugs Kill Our Brain Cells?</b> Hugh C. Hemmings, Jr., MD, PhD, FRCA
9:30-9:45	<b>Q&amp;A</b>
9:45-10:00	<i>Break (refreshments provided)</i>

### Neuroscience Made Easy

Moderator: Sugantha Sundar, MD

10:00-10:45	<b>Cervical Spine Disease and Biomechanics for the Anesthesiologist</b> Michael Todd, MD
10:45-11:30	<b>Perioperative Management of Traumatic Brain Injury</b> Christian Werner, MD, PhD
11:30-12:15	<b>Antidotes in Anesthesia</b> Hugh C. Hemmings, Jr., MD, PhD, FRCA
12:15-12:30	<b>Q&amp;A</b>
12:30-2:00	<b>Optional Lunch-and-Learn Roundtables</b>

### Potpourri

Moderator: Assia Valovska, MD

2:00-2:30	<b>Orthopedic Trauma: Just Another Hip Fracture</b> Susan Vassallo, MD
2:30-3:00	<b>Respiratory Complications after Abdominal Surgery: Pathophysiology, Incidence and Prevention</b> Matthias Eikermann, MD, PhD
3:00-3:30	<b>Ambulatory Anesthesia: The Original ERAS</b> Beverly K. Philip, MD
3:30-3:45	<b>Q&amp;A</b>
3:45-4:00	<i>Break (refreshments provided)</i>

### The Cardiothoracic Anesthesia Panel

Moderator: Jeremi Mountjoy, MD, MSc, FRCPC

4:00-4:25	<b>The Role of the Anesthesia Provider in the Cath and EP Lab: A Team-Based Approach</b> Douglas Shook, MD
4:25-4:50	<b>Patients with Ventricular Assist Devices for Non-Cardiac Surgery</b> Mabel Chung, MD
4:50-5:15	<b>Echocardiography to the Rescue in the Operating Room</b> Nelson Thiemert, MD
5:15-5:30	<b>Q&amp;A</b>

### Optional Workshops

5:30-8:00	<b>Ether Dome Tour</b> Susan Vassallo, MD (Limited to 50 attendees) <i>Transportation and refreshments provided</i>
5:30-10:00	<b>Point-of-Care Ultrasound</b> Feroze Mahmood, MD, FASE (Limited to 50 attendees) <i>Includes dinner</i>

# Agenda

## Friday May 18

6:30–7:30 *Continental Breakfast*

### Innovation in Healthcare

Moderator: Sugantha Sundar, MD

7:30-8:00 **Postoperative Monitoring: Effectiveness and Outcome**  
Satya Krishna Ramachandran, MD

8:00-8:30 **Airway Emergencies: Pearls for the Anesthesiologist**  
Pavan Mallur, MD

8:30-9:00 **Perioperative Renal Failure: Risk Assessment and Renal Protective Strategies**  
Jerome Crowley, MD

9:00-9:30 **Ventilation Strategies in the Critically Ill Patient**  
Marcos Vidal Melo, MD, PhD

9:30-10:00 **Advances in Cerebrovascular Procedures and Anesthetic Implications**  
Ajith Thomas, MD

10:00-10:15 **Q&A**

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

### End-of-Life Care

Moderator: Yuan-Chi Lin, MD

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

11:10-11:50 **Communication Needs of Patients and Their Families at the End of Life**  
Rachelle Bernacki, MD

11:50-12:30 **Continuity: Hospice Care and Care of the Bereaved**  
Sue E. Morris, PsyD

12:30-12:45 **Q&A**

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

### Optional Skills Development Workshop

Balachundhar Subramaniam, MD, MPH

1:00-5:00 **Simple Practices to Enhance Clinician Health and Prevent/Combat Burnout**

*Lunch is included*

Stress, fatigue, and burnout are rampant among anesthesiology providers. This special skills development workshop teaches simple, evidence-based mindfulness and yoga techniques that can be readily mastered to:

- Improve your well being: physical and psychological
- Enhance vitality, focus, memory
- Improve clinical effectiveness
- Increase job satisfaction
- Stabilize the body, mind, emotions
- Strengthen and stabilize the spine
- Reduce back pain, stress, anxiety and tension
- Help relieve chronic ailments
- Enhance teamwork and communication
- Improve overall health

*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.*

### Simulation for MOCA (off site)

Friday, May 18 • 2:00 pm - 8:00 pm

Separate fee and registration required. See website for details.

## Lunch-and-Learn Roundtables

Tailor your education at Anesthesiology Update 2018 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.

*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.*

### Monday, May 14

#### Lunch-and-Learn Roundtables

**Challenging Cases from the Advanced Endoscopy Suite**  
Eswar Sundar, MD

**Anesthetic Implications for Esophageal Surgery**  
Jeremi Mountjoy, MD, MSc, FRCPC

**Basics of Retirement Planning, Part 1: Getting Started and Ramping Up Savings**  
Jonathan Griswold, MD

### Tuesday, May 15

#### Lunch-and-Learn Roundtables

**Learning Intravenous Kinetics through Computer Simulation**  
Christopher Connor, MD

**Pediatric Ambulatory Conundrums: Interact with the Experts**  
Sharon Redd, MD, Arielle Mizrahi, MD, and J. William Starks, MD

**The Pregnant Patient for Non-Obstetric Surgery**  
Richard Steinbrook, MD

**Basics of Retirement Planning, Part 2: Organizing and Utilizing Your Retirement Assets**  
Jonathan Griswold, MD

### Wednesday, May 16

#### Lunch-and-Learn Roundtables

**Optimizing the Patient Experience on Labor and Delivery**  
May Pian-Smith, MD and Vilma Ortiz, MD

**Perpetual Pelvic Pain: Musculoskeletal Causes for Persistent Pain**  
Assia Valovska, MD

**My Patient Has a Pacemaker and a Defibrillator: What's Important**  
Scott Streckenbach, MD

### Thursday, May 17

#### Lunch-and-Learn Roundtables

**Avoiding Malpractice Claims: Real Case Studies**  
Joshua Mollov, MD

**Informed Consent: Getting It Right**  
Norma Sandrock, MD

**Interventional Pulmonary Cases: Pushing the Limits**  
Ameeka Pannu, MD and John Pawlowski, MD, PhD



# HARVARD MEDICAL SCHOOL

## ANESTHESIOLOGY UPDATE 2018

MAY 14-18, 2018  
BOSTON, MA

More than 70 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.

### Results-Driven Education

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



*A special feature of the 2018 program is the degree to which you can customize your learning experience.*

*Choose from 20 roundtables and skills development workshops to align your experience with your specific practice needs.*



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



# REGISTRATION INFORMATION

## Anesthesiology Update 2018

(Course #732425-1802)

	Tuition	Register on or before March 31, 2018
<b>Physicians and CRNAs</b>	\$1,495	<b>\$1,395 (SAVE \$100)</b>
<b>Residents, Fellows, and Students</b>	\$1,295	<b>\$1,195 (SAVE \$100)</b>
<b>Optional Activities</b>		
<b>Lunch-and-Learn Roundtables</b> <i>Monday through Thursday afternoons (Each roundtable limited to a maximum of 25 participants)</i>		\$65 each
<b>Optional Workshops</b> <i>(Optional workshops limited to a maximum of 50 participants, except where otherwise noted)</i>		
<b>Tuesday evening, May 15</b> Regional Anesthesia Workshop (on site): Includes dinner		\$350
<b>Wednesday evening, May 16</b> Difficult Airway Workshop (off site): Includes dinner and transportation or ACLS Workshop (on site): Includes dinner		\$350
<b>Thursday evening, May 17</b> Ether Dome Tour (off site): Includes refreshments and transportation or Point-of-Care Ultrasound (on site): Includes dinner		\$85 \$350
<b>Friday afternoon, May 18</b> Simple Practices to Enhance Clinician Health (on site): Includes lunch <i>(Limited to 100 participants)</i>		\$145
<b>Friday, May 18: Post-Course Simulation for MOCA</b>		\$1,600

Your tuition includes all breakfasts and coffee breaks, a special keynote and reception on the evening of Monday, May 14, and complimentary internet in the meeting room. All attendees of Anesthesiology Update 2018 will receive an electronic syllabus.

This is a separate registration. Please contact Ron Mayes (rmayes@bidmc.harvard.edu) for program and payment submission details. This program is limited to six participants.

## 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 \$5 non-refundable processing fee will be added to your registration, and you will have the choice of paying by check or credit card (Visa, MasterCard, or American Express). If you are paying by check (draft on a US bank), the online registration system will provide you with instructions and a printable form for remitting your course fees by check. Postal, telephone, fax, and cash-payment registrations are not accepted. Fees shown in USD.

Upon receipt of your paid registration, an email confirmation from the HMS GCE office 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 postal mail, email, or fax. 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 19, 2018. 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 19, 2018 by visiting the course website and clicking on the dedicated reservation link on the Venue page.

\*Please note that the discounted rooms may sell out before the deadline.

**Please do not make non-refundable travel arrangements until you have received an email from the HMS GCE office 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)