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MEDICAL SCHOOL

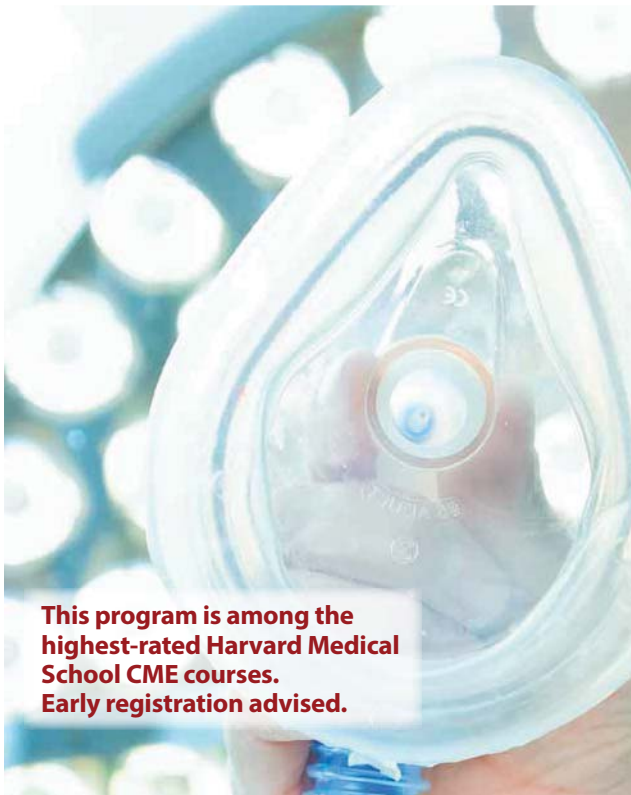
Earn up to:

- 53.50 AMA PRA Category 1 Credits™
- 53.50 MOCA 2.0® CME credits
- 20.25 Credits Risk Management Study
- 50.75 AANA Class A CE credits

# ANESTHESIOLOGY UPDATE 2020

Boston, MA • May 11-15, 2020

UPDATES, STRATEGIES and PRACTICE RECOMMENDATIONS to OPTIMIZE PATIENT OUTCOMES



**This program is among the highest-rated Harvard Medical School CME courses. Early registration advised.**

- Sex, gender and perioperative outcome
- Trauma and blood management
- Perioperative brain and heart failure
- 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
- Artificial intelligence
- Pollution and anesthesia practice
- Value-based care
- Perioperative stroke prevention

## OPTIONAL HANDS-ON WORKSHOPS

ACLS Recertification ■ Regional Anesthesia ■ Difficult Airway

**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

Vimal Akhouri, MD

Paul Alfille, MD

Angela Bader, MD, MPH

Xiaodong Bao, MD, PhD

Brian T. Bateman, MD

Rachelle Bernacki, MD

Karen Boretzky, MD

Somnath Bose, MD

Emery Brown, MD, PhD

Lauren Buhl, MD, PhD

Hovig Chitilian, MD

Hyun Kee Chung, MD

Christopher Connor, MD, PhD

Gregory Crosby, MD

Jerome Crowley, MD

Gaston Cudemus, MD

Adam A. Dalia, MD, MBA, FASE

Jennifer Dearden, MD

Victoria Derevianko, MD

James A. DiNardo, MD, FAAP

Matthias Eikermann, MD, PhD

Michaela Farber, MD

Omir C. Farokhzad, MD

Lynne Ferrari, MD

Michael Fitzsimons, MD

Brian Gelfand, MD

Jonathan Griswold, MD

Philip Hess, MD

Giorgio Ivani, MD

David Janfaza, MD

Charlie Kelly, MD

Bhavani Shankar Kodali, MD

Anjali Koka, MD

Galina Korsunsky, MD

Vesela P. Kovacheva, MD, PhD

Pete Kovatsis, MD

Lisa Kunze, MD, PhD

Yvonne Lai, MD

Kathleen Lee, MD

Lisa Leffert, MD

Akiva Leibowitz, MD

Yuan-Chi Lin, MD, MPH

Taylor Lloyd, MD

Mazen Maktabi, MD

Keira P. Mason, MD

Brian E. McGeeney, MD, MPH, MBA

Dennis McNicholl, MD

Edward Michna, MD, JD

Andrew Miller, MD

Sue E. Morris, PsyD

Jeremi Mountjoy, MD, MSc, FRCPC

Ameeka Pannu, MD

John Pawlowski, MD, PhD

Robert Peterfreund, MD

Richard Pollard, MD, FASA

Stephen Pratt, MD

Satya Krishna Ramachandran, MD

Lindsey Rubenstein, MD

Sassan Sabouri, MD

Kristin Schreiber, MD, PhD

Shahzad Shaefi, MD, MPH

Fred Shapiro, DO, FASA

Aidan Sharkey, MD

Kenneth Shelton, MD

David Silver, MD

Sulpicio Soriano, MD

Peter Stefanovich, MD

Richard Steinbrook, MD

Scott Streckenbach, MD

Balachundhar Subramaniam, MD, MPH

Eswar Sundar, MD

Sugantha Sundar, MD

Jeffrey Swanson, MD

Lia Tron, MD, MPH

Lawrence Tsen, MD

Richard Urman, MD, MBA

Assia Valovska, MD

Ivan Valovski, MD

Susan Vassallo, MD

Kamen Vlassakov, MD

David Waisel, MD

Lisa Warren, MD

Sarah Wiser, MD

Dongdong Yao, MD, PhD

Steven E. Zgleszewski, MD, FAAP

## Featured Guest Speakers

### Donal Buggy, MD, FRCPI, FCAI, FRCA

Professor of Anaesthesiology and Perioperative Medicine

Mater University Hospital

School of Medicine, University College Dublin

Consultant in Anaesthesiology and Perioperative Medicine

Mater University Hospital and Mater Private Hospital

Dublin, Ireland

### Pamela Flood, MD, MA

Professor of Anesthesiology, Perioperative and Pain Medicine

Stanford University School of Medicine

### Gregory Hammer, MD

Professor of Pediatrics (Critical Care) and Anesthesiology,

Perioperative and Pain Medicine

Stanford University School of Medicine

Director of Research, Pediatric Anesthesiology

Lucile Packard Children's Hospital at Stanford

### Keyvan Karkouti, MD, FRCPC, MSc

Chief, Department of Anesthesia and Pain Management

University Health Network, Sinai Health System, and

Women's College Hospital

Professor, Department of Anesthesia, University of Toronto

Senior Scientist, Toronto General Hospital Research Institute

Toronto, Canada

### Kate Leslie, MD, FANZCA

Head of Research, Department of Anaesthesia and Pain

Management, Royal Melbourne Hospital

Honorary Professorial Fellow, University of Melbourne and

Monash University, Melbourne, Australia

### Paolo Pelosi, MD, FERS

Professor in Anesthesiology and Intensive Care

Director, Anesthesia and Intensive Care

San Martino Policlinico Hospital, IRCCS for Oncology

and Neurosciences

University of Genoa, Italy

### Philippe Richebé, MD, PhD, DESAR

Professor of Anesthesiology and Pain Medicine

Director of the Research Committee

Department of Anesthesiology and Pain Medicine

University of Montreal

Maisonneuve-Rosemont Hospital, CEMTL

Montreal, Canada

### Roman Schumann, MD

Professor of Anesthesiology

Professor of Surgery (secondary)

Tufts University School of Medicine

Associate Chief of Research and Development

Department of Anesthesiology & Critical Care, VA Boston

### Steven Shafer, MD

Professor of Anesthesiology, Perioperative and Pain Medicine

Stanford University School of Medicine

Adjunct Associate Professor of Biopharmaceutical Sciences

University of California, San Francisco (UCSF)

Editor-in-Chief, *Anesthesia & Analgesia*

### Michel Struys, MD, PhD, FRCA

Professor and Chair, Department of Anesthesiology

University of Groningen, University Medical Center

Groningen, The Netherlands

Professor, Department of Basic and Applied Medical Sciences

Ghent University, Ghent, Belgium

### Santhanam Suresh, MD, MBA, FAAP

Arthur C. King Professor and Chair

Department of Pediatric Anesthesiology

Ann and Robert H. Lurie Children's Hospital of Chicago

Professor of Anesthesiology and Pediatrics

Northwestern University's Feinberg School of Medicine

### Anasuya Vasudevan, MD, FRCA

Clinical Associate Professor in Medicine

Department of Anesthesia and Pain Medicine

Geisinger Commonwealth School of Medicine

Danville, PA

### Laszlo Vutskits, MD, PhD

Head of Pediatric Anesthesia

University Hospitals of Geneva, Switzerland

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.

# Anesthesiology Update 2020

## Course Description

This in-depth course, presented by the Harvard Medical School faculty, 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:

- Apply 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
- Interpret the latest evidence-based practices in obstetric anesthesia
- Incorporate multimodal general anesthesia and enhanced recovery into clinical practice
- Use best practices in managing patients with morbid obesity and sleep apnea
- Integrate evidence-based protocols when practicing regional anesthesia
- Identify new drugs that can be incorporated 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 **53.50 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 = 37.25 AMA PRA Category 1 Credits™
- Course, including optional Lunch-and-Learn Roundtable Discussions (5.00) = 42.25 AMA PRA Category 1 Credits™
- Course (37.25) with Tues. ACLS Workshop (3.75), Weds. Airway Workshop (3.75), and Thurs. Regional Workshop (3.75) = a maximum of 48.50 AMA PRA Category 1 Credits™
- Course (37.25) with Tues. Ether Dome Tour (1.75) = 39.00 AMA PRA Category 1 Credits™

### MOCA 2.0® Part II CME with the AMERICAN BOARD OF ANESTHESIOLOGY®

This activity contributes to the CME requirement for the CME component of the American Board of Anesthesiology's (ABA) redesigned Maintenance of Certification in Anesthesiology™ program (MOCA®), known as MOCA 2.0®. Please consult the ABA website, [www.theABA.org](http://www.theABA.org), for a list of all MOCA 2.0 requirements. Maximum of 53.50 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 1038390; Expiration Date 5/15/2020.

### RISK MANAGEMENT

This activity meets the criteria of the Massachusetts Board of Registration in Medicine for 20.25 credits of Risk Management Study. This includes 12.75 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



- Sex, gender and perioperative outcome
- Trauma and blood management
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- New drugs in the anesthesia pipeline
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- Value-based care
- Perioperative stroke prevention

## Who Should Attend

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

# AGENDA

## Monday, May 11

6:00-7:30 **Registration and Breakfast**

### The Focus Is Improving Outcome

Moderator: Dr. Sundar

7:30-8:00 **Influence of Sex and Gender on Perioperative Outcomes**  
Kate Leslie, MD, FANZCA

8:00-8:30 **Protective Ventilation during General Anesthesia Improves Outcome**  
Paolo Pelosi, MD, FERS

8:30-9:00 **Balanced Anesthesia Study**  
Kate Leslie, MD, FANZCA

9:00-9:15 **Q&A**  
Drs. Leslie, Pelosi and Sundar

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

### Understanding the Central Nervous System

Moderator: Dr. Mason

9:30-10:10 **Updates in Multimodal General Anesthesia: Principles and Practices**  
Emery Brown, MD, PhD

10:10-10:50 **Perioperative Brain Failure 2020**  
Gregory Crosby, MD

10:50-11:30 **Nociception Monitors during Anesthesia: Do They Help?**  
Philippe Richebé, MD, PhD, DESAR

11:30-11:45 **Q&A**  
Drs. Brown, Crosby, Mason and Richebé

11:45-1:15 **Optional Lunch-and-Learn Roundtables**

### Care of the Parturient

Moderator: Dr. Hess

1:15-1:45 **Neuraxial Anesthesia for Pregnant Women with Back and Spine Abnormalities**  
Lisa Leffert, MD

1:45-2:15 **Neurology and Obstetric Anesthesia**  
Philip Hess, MD

2:15-2:45 **Clinical Conundrums in Obstetric Anesthesia**  
Lawrence Tsen, MD

2:45-3:15 **The Opioid Crisis: What We Can Do as Obstetric Anesthesiologists**  
Brian Bateman, MD

3:15-3:45 **Postpartum Hemorrhage: Triggers for Action and Evidence-Based Management**  
Michaela Farber, MD

3:45-4:00 **Q&A**  
Drs. Bateman, Farber, Hess, Leffert and Tsen

4:00-4:15 *Break (refreshments provided)*

### Patient Safety in Ambulatory and Office-Based Surgery

Moderator: Dr. Mason

4:15-4:45 **Ambulatory Patient Selection**  
Richard Urman, MD, MBA

4:45-5:15 **Office-Based Anesthesia: New Guidelines and Patient Safety**  
Fred Shapiro, DO, FASA

5:15-5:30 **Q&A**  
Drs. Mason, Shapiro and Urman

### Reception and Scientific Posters

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 12

6:30-7:30 **Breakfast**

### What Is New in Pharmacology

Moderator: Dr. Mason

7:30-8:00 **The Enigma of Nitrous Oxide**  
Steven Shafer, MD

8:00-8:30 **Anesthetic Care for Patients with Chronic Pain: Waking Up Happy**  
Pamela Flood, MD, MA

8:30-9:00 **New Hypnotics: Ready for Prime Time**  
Michel Struys, MD, PhD, FRCA

9:00-9:15 **Q&A**  
Drs. Flood, Mason, Shafer and Struys

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

### Hot Topics in 2020

Moderator: Dr. Mountjoy

9:30-10:00 **Closed Loops, Advisory Systems and Artificial Intelligence in Anesthesia**  
Michel Struys, MD, PhD, FRCA

10:00-10:30 **Pollution and Anesthesia Practice: Should We Care?**  
Philippe Richebé, MD, PhD, DESAR

10:30-11:00 **The Narcotic Crisis: Why the Problem; What Is the Solution?**  
Edward Michna, MD, JD

11:00-11:30 **Electrical Safety in the Operating Room**  
Steven Shafer, MD

11:30-11:45 **Q&A** Drs. Michna, Mountjoy, Richebé, Shafer and Struys

11:45-1:15 **Optional Lunch-and-Learn Roundtables**

### Old Problems: New Solutions

Moderator: Dr. Valovska

1:15-1:45 **Chronic Pain in Women Before, During and After Pregnancy**  
Pamela Flood, MD, MA

1:45-2:15 **Value-Based Care for Geriatric Patients Having Surgery**  
Angela Bader, MD, MPH

2:15-2:45 **The Healthy and the Frail: How to Live Long and Prosper**  
Susan Vassallo, MD

2:45-3:15 **One Size Does Not Fit All: Pain Phenotyping and Its Importance to Treatment and Prevention of Chronic Postsurgical Pain**  
Kristin Schreiber, MD, PhD

3:15-3:30 **Q&A** Drs. Bader, Flood, Schreiber, Valovska and Vassallo

3:30-3:45 *Break (refreshments provided)*

### The Critically Ill Patient: Improving Outcome

Moderator: Dr. Mason

3:45-4:15 **The Ten Magic Rules to Ventilate ARDS Patients**  
Paolo Pelosi, MD, FERS

4:15-4:45 **The ICU Patient in Your Operating Room**  
David Silver, MD

4:45-5:15 **Oxygen Administration: The Perioperative Sweet Spot**  
Shahzad Shaefi, MD, MPH

5:15-5:30 **Q&A**  
Drs. Mason, Pelosi, Shaefi and Silver

### Optional Workshop or Tour

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

5:30-10:00 **ACLS Workshop**  
Hovig Chitilian, MD (*Limited to 50 attendees*)  
Includes dinner

# AGENDA

## Wednesday, May 13

6:30-7:30 **Breakfast**

### Clinically Relevant Topics in Pediatric Anesthesia

Moderator: Dr. Soriano

7:30-8:00	<b>Preoperative Fasting: The European Guidelines and the Science Behind It</b> Laszlo Vutskits, MD, PhD
8:00-8:30	<b>Enhanced Recovery after Surgery in Children</b> Santhanam Suresh, MD, MBA, FAAP
8:30-9:00	<b>Anesthesia and the Infant Brain: Is There a Cause for Concern?</b> Sulpicio Soriano, MD
9:00-9:30	<b>Organ Protection in Pediatric Anesthesia</b> Laszlo Vutskits, MD, PhD
9:30-10:00	<b>Dispelling Myths in Pediatric Anesthesia</b> Lynne Ferrari, MD
10:00-10:15	<b>Q&amp;A</b> Drs. Ferrari, Soriano, Suresh and Vutskits
10:15-10:30	<i>Break (refreshments provided)</i>

### Practical Solutions for Self-Care

Moderator: Dr. Mason

10:30-11:00	<b>Clinician Wellness in Hospital Medicine: Thriving, Not Simply Surviving</b> Santhanam Suresh, MD, MBA, FAAP
11:00-11:30	<b>Becoming a More Resilient Clinician</b> Gregory Hammer, MD
11:30-11:45	<b>Q&amp;A</b> Drs. Hammer, Mason and Suresh
11:45-1:15	<b>Optional Lunch-and-Learn Roundtables</b>
11:45-1:15	<b>Mitigate Stress: Easy and Practical Meditation Strategies for the Busy Anesthesia Practitioner</b> Balachundhar Subramaniam, MD, MPH <i>(Optional—no fee; limited to first 100 registrants.)</i> Lunch provided.

### Hear the Experts Speak

Moderator: Dr. Mason

1:15-1:45	<b>Could Perioperative Interventions during Cancer Resection Surgery of Curative Intent Influence Oncologic Outcomes?</b> Donal Buggy, MD, FRCPI, FCAI, FRCA
1:45-2:15	<b>Application of Dexmedetomidine in 2020</b> Keira P. Mason, MD
2:15-2:45	<b>How General Anaesthetics Work: For Busy Clinicians, By a Busy Clinician</b> Donal Buggy, MD, FRCPI, FCAI, FRCA
2:45-3:00	<b>Q&amp;A</b> Drs. Buggy and Mason
3:00-3:15	<i>Break (refreshments provided)</i>

### Everyday Clinical Challenges

Moderator: Dr. Mountjoy

3:15-3:45	<b>Perioperative Care of the Patient with Diabetes Mellitus: What Are Those New Medications and How Do You Manage Them?</b> Robert Peterfreund, MD
3:45-4:15	<b>Perioperative Management of the Implantable Cardioverter Defibrillator</b> Scott Streckenbach, MD
4:15-4:45	<b>Perioperative Stroke Prevention: A Reality</b> Matthias Eikermann, MD, PhD
4:45-5:15	<b>Anesthetic Management of Ruptured Abdominal Aortic Aneurysm</b> Hovig Chitilian, MD
5:15-5:30	<b>Q&amp;A</b> Drs. Chitilian, Eikermann, Mountjoy, Peterfreund and Streckenbach

### Optional Skills Development Workshop

5:30-10:00	<b>Difficult Airway Workshop</b> Andrew Miller, MD <i>(Limited to 50 attendees)</i> Includes dinner
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## Thursday, May 14

6:30-7:30 **Breakfast**

### Optimizing Patient Care

Moderator: Dr. Sundar

7:30-8:00	<b>Management of Catastrophic Bleeding in the Operating Room</b> Keyvan Karkouti, MD, FRCPC, MSc
8:00-8:30	<b>Exercise Physiology Coming to a Heart Near You</b> James A. DiNardo, MD, FAAP
8:30-9:00	<b>Coagulation Management in Cardiac Surgery</b> Keyvan Karkouti, MD, FRCPC, MSc
9:00-9:15	<b>Q&amp;A</b> Drs. DiNardo, Karkouti and Sundar
9:15-9:30	<i>Break (refreshments provided)</i>

### Potpourri

Moderator: Dr. Valovska

9:30-10:00	<b>Patients in Endoscopy Suites — Challenging Cases: Patient Safety First</b> Eswar Sundar, MD
10:00-10:30	<b>Perioperative Care of the Bariatric Patient</b> Roman Schumann, MD
10:30-11:00	<b>My Patient Has Stridor, Now What? Managing the Airway with Laryngeal Abnormalities</b> Akiva Leibowitz, MD
11:00-11:30	<b>Quality Metrics: Framework for Establishing Measures and Success</b> Satya Krishna Ramachandran, MD
11:30-11:45	<b>Q&amp;A</b> Drs. Leibowitz, Ramachandran, Schumann, Sundar and Valovska
11:45-1:15	<b>Optional Lunch-and-Learn Roundtables</b>

### Perioperative Care of the Patient in Heart Failure

Moderator: Dr. Lai

1:15-1:45	<b>Chronic Heart Failure: Understanding Epidemiology and Instituting Therapy</b> Yvonne Lai, MD
1:45-2:15	<b>Acute Cardiogenic Shock in the Operating Room</b> Jerome Crowley, MD
2:15-2:45	<b>Anesthesia Stat for ECMO Cannulation</b> Gaston Cudemus, MD
2:45-3:15	<b>Putting a Team Together for a State-of-the-Art Heart Center</b> Kenneth Shelton, MD
3:15-3:30	<b>Q&amp;A</b> Drs. Crowley, Cudemus, Lai and Shelton
3:30-3:45	<i>Break (refreshments provided)</i>

### Medicolegal Implications for the Anesthesia Practitioner

Moderator: Dr. Mountjoy

3:45-4:15	<b>Physician Assistance in the Death Penalty</b> David Waisel, MD
4:15-4:45	<b>What Makes for an Effective Expert Witness</b> Mazen Maktabi, MD
4:45-5:15	<b>Apology and Disclosure: Getting It Right</b> Stephen Pratt, MD
5:15-5:30	<b>Q&amp;A</b> Drs. Maktabi, Mountjoy, Pratt and Waisel

### Optional Skills Development Workshop

5:30-10:00	<b>Regional Anesthesia Workshop</b> Hyun Kee Chung, 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 15

6:30-7:30	<b>Breakfast</b>
<b>Innovations in Anesthesia Care</b> Moderator: Dr. Mountjoy	
7:30-8:00	<b>Point-of-Care Ultrasound and the Anesthesia Practitioner</b> Aidan Sharkey, MD
8:00-8:30	<b>Management of Intraoperative Vasoplegia</b> Adam A. Dalia, MD, MBA, FASE
8:30-9:00	<b>Update on Lung Isolation and One-Lung Ventilation</b> Jeremi Mountjoy, MD, MSc, FRCPC
9:00-9:30	<b>Pulmonary Embolectomy: Implications for the Anesthesia Practitioner</b> Michael Fitzsimons, MD
9:30-10:00	<b>Use of Nanotechnology in Anesthesia</b> Omir C. Farokhzad, MD
10:00-10:15	<b>Q&amp;A</b> Drs. Dalia, Farokhzad, Fitzsimons, Mountjoy and Sharkey
10:15-10:30	<i>Break (refreshments provided)</i>
<b>End-of-Life Care</b> Moderator: Dr. Lin	
10:30-11:00	<b>Medical Marijuana: Clinical Applications</b> Brian E. McGeeney, MD, MPH, MBA
11:00-11:30	<b>Comfort: Symptom Management for Patients and Their Families at the End of Life</b> Kathleen Lee, MD
11:30-12:00	<b>Communication Needs of Patients and Their Families at the End of Life</b> Rachelle Bernacki, MD
12:00-12:30	<b>Continuity: Hospice Care and Care of the Bereaved</b> Sue E. Morris, PsyD
12:30-12:45	<b>Q&amp;A</b> Drs. Bernacki, Lee, Lin, McGeeney and Morris
12:45-1:00	<b>Closing Remarks</b> Sugantha Sundar MD

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

Early registration to the 2020 program is advised.



**Optional Tour of the Ether Dome Tuesday evening, May 12**

*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 session not eligible for AMA PRA Category 1 Credit™

## Lunch-and-Learn Roundtables

Tailor your education at Anesthesiology Update 2020 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 11

<b>Acute and Persistent Pain after Orthopedic Trauma</b> Kate Leslie, MD, FANZCA
<b>Learn Intravenous Pharmacokinetics and Pharmacodynamics with the BWH Anesthesia Simulator iPad App</b> Christopher Connor, MD, PhD
<b>Managing Postpartum Headaches: A Practical Review</b> Vesela P. Kovacheva, MD, PhD
<b>Managing the Pregnant Patient for Non-Obstetric Surgery</b> Richard Steinbrook, MD

### Tuesday, May 12

<b>Intraoperative Neurophysiologic Monitoring: How, Why and When</b> Richard Pollard, MD, FASA
<b>Not Just a Bronchoscopy: Anesthesia for Interventional Pulmonology Cases</b> John Pawlowski, MD, PhD and Aameeka Pannu, MD
<b>Please Check the CXR in the PACU: What Do I Need to Know?</b> David Silver, MD
<b>Prevention of Persistent Postamputation Pain with Regional Anesthesia and Acute Pain Management</b> Kristin Schreiber, MD, PhD
<b>Saving for Retirement: Maximizing Savings for the Long Haul*</b> Jonathan Griswold, MD

### Wednesday, May 13

<b>Anesthesia for the Child with Congenital Heart Disease Having Non-Cardiac Surgery</b> Gregory Hammer, MD
<b>Hip Fracture Management: A Rising Societal Tsunami</b> Donal Buggy, MD, FRCPI, FCAI, FRCA
<b>Keeping the Child Comfortable: Pain Management in Pediatrics</b> Karen Boretzky, MD
<b>The Pediatric Airway: Challenging Cases</b> Jennifer Dearden, MD

### Thursday, May 14

<b>Acupuncture Workshop</b> Yuan-Chi Lin, MD, MPH
<b>Evidence-Based Pain Management for Thoracic Surgery Patients</b> Xiaodong Bao, MD, PhD
<b>Lower Extremity Blocks Revisited</b> Ivan Valovski, MD
<b>The Yup, the Nope and the Maybe in Regional Anesthesia</b> Anasuya Vasudevan, MD, FRCA
<b>Upper Extremity Blocks in Patients with Challenging Anatomy</b> Lisa Kunze, MD, PhD



# HARVARD MEDICAL SCHOOL

## ANESTHESIOLOGY UPDATE 2020

MAY 11-15, 2020  
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.

### Results-Driven Education

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



*A special feature of the 2020 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.*



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



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# REGISTRATION INFORMATION



# HARVARD MEDICAL SCHOOL

## Anesthesiology Update 2020

(Course #732425-2002)

	Tuition	Register on or before March 31, 2020
<b>Physicians and CRNAs</b>	\$1,565	<b>\$1,465 (SAVE \$100)</b>
<b>Residents, Fellows, and Students</b>	\$1,365	<b>\$1,265 (SAVE \$100)</b>
<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 12</b> Ether Dome Tour (off site): Includes refreshments and transportation or ACLS Workshop (on site): Includes dinner		\$85 \$350
<b>Wednesday evening, May 13</b> Difficult Airway Workshop (on site): Includes dinner		\$350
<b>Thursday evening, May 14</b> Regional Anesthesia 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 11, and complimentary internet in the meeting room. All attendees of Anesthesiology Update 2020 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. **Please do not make non-refundable travel arrangements until you have received an email confirming your paid registration.** 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 course has started.

### INQUIRIES

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

### VENUE

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



### ACCOMMODATIONS

Fairmont Copley Plaza has reserved a block of discounted rooms for course participants.

#### Important to note:

- The number of discounted rooms is limited.
- Discounted rooms are available on a first-come, first-served basis.
- The discounted room rate is only available until April 15, 2020, or until the block sells out, which typically happens well in advance of this date.

#### To reserve your room:

- **Online:** To reserve your room online, please go to [Anesthesiology.HMSCME.com/Venue](http://Anesthesiology.HMSCME.com/Venue)—the Venue page of the course website—and click on the dedicated reservation link.
- **By phone:** If you are calling the hotel rather than using the dedicated link to request a discounted room, please call 1-800-441-1414 and specify that you are enrolled in Harvard Anesthesiology Update.

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