

Earn up to:

- 58.25 AMA PRA Category 1 Credits™
- 50 AANA CE Credits
- 4.0 Credits Risk Management Study
 This includes 2.0 Credits of Opioid
 Education and Pain Management Training

ANESTHESIOLOGY UPDATE 2015

Boston, MA May 11-15, 2015

- New practice recommendations for the following areas of anesthesiology: ambulatory, cardiac, critical care, obstetric, pain management, pediatric, regional and thoracic
- Lectures, simulations, and hands-on workshops led by Harvard Medical School's leading clinicians and internationally recognized guest faculty

A practical and comprehensive review of the most important new changes and advances in clinical anesthesiology



Register at Anesthesiology.HMSCME.com

Course Overview

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, workshops and 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 in the setting up of a surgical home
- Diagnose and develop a treatment plan for hemorrhagic shock
- Analyze large trials, assemble the evidence and measure quality in anesthesia practice
- Integrate updated guidelines in practice when managing the difficult airway
- Critique the role of the anesthesiologist in end-of-life care
- · Adopt the latest evidence-based practices in obstetric anesthesia
- Incorporate the latest AHA/ACC guidelines and recommendations into practice

Who Attends

- Anesthesiologists
- Nurse anesthetists
- · Research staff
- Residents
- Fellows
- Student nurse anesthetists

Accreditation

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

The Harvard Medical School designates this live activity for a maximum of 58.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

- Course, including optional Lunch-and-Learn Roundtable Discussions: 42.25 AMA PRA Category 1 Credits™
- Course only, no Lunch-and-Learn Roundtable Discussions: 37.5 AMA PRA Category 1 Credits™
- Course and ACLS Workshop: 40.25 AMA PRA Category 1 Credits™
- Course and Ultrasound Workshop: 40.50 AMA PRA Category 1 Credits™
- Course and Difficult Airway Workshop: 42.25 AMA PRA Category 1 Credits™
- MOCA Workshop 5.50 AMA PRA Category 1 Credits™

This activity meets the criteria of the Massachusetts Board of Registration in Medicine for 4.0 hours of Risk Management Study. This includes 2.0 Credits of Opioid Education and Pain Management training. Please check your individual state licensing board requirements before claiming these credits.

This program has received prior approval from the American Association of Nurse Anesthetists for 50 CE credits (AANA Code #1030661, Expiration Date 5/15/15) for the course with all workshops (excludes ACLS, Ether Dome or MOCA Simulation) and Lunch-and-Learn Roundtable Sessions. Course only: 37.5 credits.

ACGME Competencies

This course is designed to meet the following competencies: Patient care, medical knowledge, practice-based learning and improvement, interpersonal and communication skills, professionalism, and systems-based practice.

M	londay May 11	П	Tue	esday May 12	
6:00-7:30	Registration and Continental Breakfast		The Cardiothoracic Anesthesia Panel Moderator: Meredith Albrecht, MD, PhD		
7:30-7:45 Welcome What Is Success? Is There a Measure? Moderator: Sugantha Sundar, MD			7:30-7:50	Current Status — Transcatheter Aortic Valve Replacement Sugantha Sundar, MD	
7:45-8:30	What is a Poor Outcome after Surgery and Anesthesia? Paul Myles, MBBS, MPH, MD, FCARCSI, FANZCA, FRCA		7:50-8:15	Anterior Mediastinal Mass: Anesthetic Considerations Hovig Chitilian, MD	
8:30-9:15	The Physiology behind Exercise: How to Improve Longevity James DiNardo, MD		8:15-8:35	Management of the Dysfunctional Right Ventricle Lauren J. Cornella, MD	
9:15-9:30	Q&A		8:35-9:20	Management of Cardiac Arrest — Innovations beyond the Guidelines Michael Donnino, MD	
9:30-9:45	Break		9:20-9:30	Q&A	
	nch to Bedside: Making It Happen		9:30-9:45	Break	
9:45-10:30	Moderator: Keira P. Mason, MD Emerging Mechanisms of General Anesthesia			oking Guidelines and Checklists derator: Lynne Ferrari, MD	
10:30-11:00	Hugh C. Hemmings, Jr., MD, PhD, FRCA Cerebral Autoregulation in Children Sulpicio Soriano, MD		9:45-10:15	Emergency Manuals and Crisis Checklists — Where Are We? Alexander A. Hannenberg, MD	
11:00-11:45	Tracheal Intubation without Neuromuscular Blockers		10:15-10:45	The Perioperative Surgical Home Shubjeet Kaur, MD, MScHCM	
11:45-12:15	Hugh C. Hemmings, Jr., MD, PhD, FRCA Fact versus Fiction — Controversies in		10:45-11:15	The Latest ACC/AHA Guidelines for Perioperative Risk Assessment Angela Bader, MD, MPH	
12.15.12.20	Pediatric Anesthesia Thomas Mancuso, MD		11:15-11:45	The Complex Vasculopath: A Case-Based Discussion	
12:15-12:30	Q&A			Feroze Mahmood, MD	
12:30-2:00	Lunch On Your Own or		11:45-12:00	Q&A	
	Lunch-and-Learn Roundtables (see right panel)		12:00-1:30	Lunch On Your Own or Lunch-and-Learn Roundtables	
Evidence-E	Based Obstetric Anesthesia Practice Moderator: Philip Hess, MD			(see right panel)	
2:00-2:30	Pregnancy-Related Pulmonary Embolus: A Practical Primer Lawrence C. Tsen, MD		Pro/Con Debate: Should Physicians Participate in Lethal Injection? Moderator: Keira P. Mason, MD		
2:30-3:00	Multiple Sclerosis and Neurologic Disease in Pregnancy		1:30-2:15	One Side of the Story David B. Waisel, MD	
3:00-3:30	Philip Hess, MD Current Concepts in Obstetric		2:15-3:00	The Other Side of the Story Gail A. Van Norman, MD	
	Anesthesia: The Year in Review		3:00-3:15	Q&A	
3:30-4:00	Lisa R. Leffert, MD Transfusion Strategies for Obstetric		3:15-3:30 Practice Region	Break nal Anesthesia with Reduced Risk	
	Hemorrhage Michaela K. Farber, MD, MS			erator: Lisa Kunze, MD, PhD	
4:00-4:15	Q&A		3:30-4:00	Complications from Peripheral Nerve Blocks: Management Strategies	
4:15-4:30	Break			Eric Cappiello, MD	
	g Excellence in Pain Management erator: Meredith Albrecht, MD, PhD		4:00-4:30	New Innovations in Ultrasound- Guided Neuraxial and Paravertebral Blocks	
4:30-5:00	Epidural Steroid Injections — What Is Their Role in 2015? Chris Gilligan, MD, MBA		4:30-5:00	Anasuya Vasudevan, MD, FRCA Opioid-Sparing Anesthesia: Panacea or Pipe Dream?	
5:00-5:30	The Link between Acute and Chronic Pain James P. Rathmell, MD		5.00 5.20	Lisa Řunze, MD, PhD	
5:30-5:50	Recent Advances in Pediatric Pain Management		5:00-5:30	Q&A	
5:50-6:00	Navil Sethna, MBChB Q&A		5:30-8:00	Ether Dome Tour¹ (off site): Includes refreshments and transportation. Susan Vassallo, MD	
6:00-7:30	Complimentary Wine and Cheese Reception for Participants and Faculty		6:00-9:00	ACLS Workshop ² (on site): Includes dinner. Workshop Director: Hovig Chitilian, MD	

Workshop Director: Hovig Chitilian, MD

Reception for Participants and Faculty

Wednesday, May 13

The Brain Made Easy

Moderator: Keira P. Mason, MD

7:30-8:15	Comprehensive Geriatric Assessment Claudia Spies, MD
8:15-9:00	General Anesthesia and the Aging Brain Emery Brown, MD, PhD
9:00-9:45	Postoperative Delirium Claudia Spies, MD
9:45-10:00	Q&A
10:00-10:15	Break

Thinking Outside the Box

Moderator: Meredith Albrecht, MD, PhD

10:15-11:15	Cancer Recurrence and Anesthesia Vikas Sukhatme, MD, PhD
11:15-12:00	Achieving Expert Performance Keith Baker, MD, PhD
12:00-12:15	Q&A
12:15-1:45	Lunch On Your Own or Lunch-and-Learn Roundtables (see right panel)

The Era of Accountable Care Organizations

Moderator: Lauren J. Cornella, MD

1:45-2:15	Efficiency Matters Peter Panzica, MD
2:15-2:45	Patient Safety Is Crucial Stephen Pratt, MD
2:45-3:00	Q&A
3:00-3:15	Break

What Is New in 2015? News from the **Intensive Care Unit**

Moderator: David Silver, MD

3:15-3:45	Sepsis: Morbidity and Survival Todd Sarge, MD		
3:45-4:15	Stat Trauma to the Operating Room: A Case-Based Discussion David Silver, MD		
4:15-4:45	Noninvasive Monitoring of Cardiac Output Simplified Achikam Oren Grinberg, MD		
4:45-5:15	Lung-Protective Ventilation Strategies Marcos Vidal Melo, MD, PhD		
5:15-5:30	Q&A		
5:45-9:00	Ultrasound-Guided Regional AnesthesiaWorkshop ² (on site): Includes dinner. Workshop Directors: Anasuya Vasudevan, MD, FRCA and Rajiv Doshi, MD		

Thursday, May 14

Taking Control of Hemorrhage, Rhythm Devices and Coagulation Disturbances

Moderator: Sugantha Sundar, MD

7:30-8:15	Resuscitation from Hemorrhagic Shock Richard P. Dutton, MD, MBA
8:15-9:00	My Patient Has a Pacemaker or ICD: Now What? Paul Barash, MD
9:00-9:45	Management of Refractory Bleeding in the Operating Room Adam Lerner, MD
9:45- 9:55	Q&A
9:55-10:05	Break

Data from Large Trials and Scientific Publications to Improve Quality of Care

Moderator: Meredith Albrecht, MD, PhD

10:05-10:50	Understanding Evidence and the Role of Large Trials Paul Myles, MBBS, MPH, MD, FCARCSI, FANZCA, FRCA
10:50-11:35	Quality Improvement in Anesthesia Practice Richard P. Dutton, MD, MBA
11:35-12:35	Game Changers: The 20 Most Important Anesthesia Articles Ever Published Paul Barash, MD
12:35-12:45	Q&A
12:45-2:00	Lunch On Your Own or Lunch-and-Learn Roundtables (see right panel)

Learn from the Experts Moderator: Lauren I Cornella, MD

Moderator: Lauren J. Cornella, MD			
2:00-2:30	History of Anesthesiologists and Nurse Anesthetists in Boston Mark A. Rockoff, MD		
2:30-3:00	Newer Anticoagulants: Relevance to the Anesthesia Provider Kenneth A. Bauer, MD		
3:00-3:30	What is New in Perioperative Diabetes Management? Robert A. Peterfreund, MD, PhD		
3:30-4:00	The Evolving Role of Simulation in the 21st Century Peter Weinstock, MD, PhD		
4:00-4:30	The Latest on Operating Room Fires Meredith Albrecht, MD, PhD		
4:30-4:45	Q&A		
4:45-10:00	Difficult Airway Workshop ² (off site): Includes dinner and transportation. Workshop Director:		

Bhavani Shankar Kodali, MD

¹ An additional fee of \$75 applies for this tour. Includes refreshments and transportation. Space is limited and assigned on a first-come, first-served basis.

² An additional fee of \$325 applies for this workshop. Dinner is provided. Space for all workshops is limited and assigned on a first-come, first-served basis. Early registration is strongly encouraged.

Friday, May 15

Hot Topics in Ambulatory Anesthesia Moderator: Beverly K. Philip, MD

7:30-8:00	Updated Guidelines on Management of Postoperative Nausea and Vomiting Beverly K. Philip, MD
8:00-8:30	Patient Safety in Office-Based Anesthesia Fred E. Shapiro, DO
8:30-9:00	Computer-Assisted Personalized Sedation — Is This a Reality? Richard D. Urman, MD, MBA
9:00-9:30	Measuring Outcome after Ambulatory Surgery in 2015 Lucinda L. Everett, MD
9:30-9:45	Q&A
9:45-10:00	Break

Old Problems with New Solutions

Moderator: Lauren J. Cornella, MD

10:00-10:30	New Drugs Coming to Your Operating Room Douglas Raines, MD
10:30-11:00	Adults with Congenital Heart Disease for Noncardiac Surgery Nelson Thaemert, MD
11:00-11:40	Intraoperative Awareness Stuart Forman, MD, PhD
11:40-12:10	Going Green in Anesthesia Andres Navedo-Rivera, MD
12:10-12:40	Dexmedetomidine: From Outfield to the ICU Keira P. Mason, MD
12:40-12:55	Q&A
12:55-1:00	Closing Remarks Sugantha Sundar, MD

Friday, May 15: Simulation for MOCA (off-site) 2:00 pm - 8:00 pm

Separate fee and registration required.			
2:00-2:30	Introduction		
2:30-3:00	Scenario 1 – ICU Room		
3:00-3:30	Review CRM Principles — Debrief Room		
3:30-4:00	Debrief Scenario 1 — Debrief Room		
4:00-4:15	Break		
4:15-4:45	Scenario 2 — OR		
4:45-5:15	Debrief Scenario 2 — Debrief Room		
5:15-5:45	Scenario 3 – ICU		
5:45-6:30	Dinner / Debrief Scenario 3 — Debrief Room		
6:30-7:00	Scenario 4 — OR		
7:00-7:30	Debrief Scenario 4 — Debrief Room		
7:30-8:00	Wrap-Up		

Lunch-and-Learn Roundtables

Tailor your education at Anesthesiology Update 2015 with optional buffet Lunch-and-Learn Roundtables listed below. Each luncheon session focuses in-depth on one important topic, with insight and interactive discussion led by a master clinician or subject matter expert. Participation is limited to 25 attendees per session to ensure each participant gets 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 11: Lunch-and-Learn Roundtables

Avoiding Malpractice Suits

Paul McTague, Esq.

Apology and Disclosure after an Adverse Event May Pian-Smith, MD, MS

Do Stats Lie? Statistics for the Operating Room Clinician David A. Edwards, MD, PhD

PACU Complications and Catastrophes

Eswar Sundar, MD; Richard Blum, MD, MSE, FAAP

Tuesday, May 12: Lunch-and-Learn Roundtables

Intraoperative Cardiac Arrest in a Child with Pierre Robin Syndrome

Corey E. Collins, DO

Acupuncture Workshop Yuan-Chi Lin, MD

Rescue TEE: What Is Its Role?

Scott C. Streckenbach, MD

Subglottic Stenosis in an Ex-Premature Child:

What Do I Do?

Nita Sahani, MD

Wednesday, May 13: Lunch-and-Learn Roundtables

Conflict Resolution in the Operating Room Environment Pascal Scemama De Gialluly, MD, MBA

Wait — How Much Oxycontin? Management of the **Opioid-Tolerant Patient**

Anthony Anderson, MD, PhD

Yikes: How Do I Interpret This? Blood Gas Conundrums George Topulos, MD

Gastrointestinal Surgery and Esophageal Doppler: Why Do We Need It?

Matthias Stopfkuchen-Evans, MD

Thursday, May 14: Lunch-and-Learn Roundtables

Airway Topicalization for Awake Fiberoptic Intubation Sarah Wiser, MD

Yes, It Is Anaphylaxis: Management Pearls Susan Vassallo, MD

The Morbidly Obese Patient: A Case-Based Discussion Cindy Ku, MD; Stephanie Jones, MD

Building Your Resilient Self: Practical Strategies to Move from Burnout to Balance Roger Russell, MD; Gail Gazelle, MD

DISCLOSURE POLICY: Harvard Medical School (HMS) adheres to all ACCME Essential Areas, Standards, and Policies. It is HMS's policy that those who have influenced the content of a CME activity (e.g. planners, faculty, authors, reviewers and others) disclose all relevant financial relationships with commercial entities so that HMS may identify and resolve any conflicts of interest prior to the activity. These disclosures will be provided in the activity materials along with disclosure of any commercial support received for the activity. Additionally, faculty members have been instructed to disclose any limitations of data and unlabeled or investigational uses of products during their presentations.



Harvard Medical School Faculty

Meredith Albrecht, MD, PhD Anthony Anderson, MD, PhD Angela Bader, MD, MPH Keith Baker, MD, PhD Kenneth A. Bauer, MD Richard Blum, MD, MSE, FAAP Emery Brown, MD, PhD Eric Cappiello, MD Hovig Chitilian, MD Corev E. Collins, DO Lauren J. Cornella, MD James DiNardo, MD Michael Donnino, MD Rajiv Doshi, MD David A. Edwards, MD, PhD Lucinda L. Everett, MD, MHCM Michaela K. Farber, MD, MS Lynne Ferrari, MD Stuart Forman, MD, PhD Gail Gazelle, MD Chris Gilligan, MD, MBA Achikam Oren Grinberg, MD Philip Hess, MD Stephanie Jones, MD Bhavani Shankar Kodali, MD

Marcos Vidal Melo, MD, PhD Andres Navedo-Rivera, MD Peter Panzica, MD John Pawlowski, MD, PhD Robert A. Peterfreund, MD, PhD Beverly K. Philip, MD May Pian-Smith, MD, MS Stephen Pratt, MD Douglas Raines, MD James P. Rathmell, MD Mark A. Rockoff, MD Roger Russell, MD Nita Sahani, MD Todd Sarge, MD Pascal Scemama De Gialluly, MD. MBA Navil Sethna, MBChB Fred E. Shapiro, DO David Silver, MD

Sulpicio Soriano, MD
Matthias Stopfkuchen-Evans, MD
Scott C. Streckenbach, MD
Vikas Sukhatme, MD, PhD
Eswar Sundar, MD
Sugantha Sundar, MD
Nelson Thaemert, MD
George Topulos, MD
Lawrence C. Tsen, MD
Richard D. Urman, MD, MBA
Susan Vassallo, MD

Anasuya Vasudevan, MD, FRCA David B. Waisel, MD Peter Weinstock, MD, PhD

Course Director

Sugantha Sundar, MD

Assistant Professor of Anaesthesia Harvard Medical School Beth Israel Deaconess Medical Center

Course Co-Directors

Meredith Albrecht, MD, PhD

Instructor of Anaesthesia Harvard Medical School Massachusetts General Hospital

Lauren J. Cornella, MD

Instructor of Anaesthesia Harvard Medical School Brigham and Women's Hospital

Keira P. Mason, MD

Associate Professor of Anaesthesia Harvard Medical School Boston Children's Hospital

Featured Guest Speakers

Paul Barash, MD

Cindy Ku, MD

Lisa Kunze, MD, PhD

Feroze Mahmood, MD

Thomas Mancuso, MD

Keira P. Mason, MD

Lisa R. Leffert, MD

Adam Lerner, MD

Yuan-Chi Lin, MD

Professor of Anesthesiology Yale University School of Medicine Attending Anesthesiologist, Yale-New Haven Hospital

Richard P. Dutton, MD, MBA

Executive Director, Anesthesia Quality Institute Chief Quality Officer, American Society of Anesthesiologists Clinical Associate, University of Chicago Department of Anesthesia and Critical Care

Alexander A. Hannenberg, MD

Clinical Professor of Anesthesiology Tufts University School of Medicine Associate Chair, Department of Anesthesiology Newton-Wellesley Hospital

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

Professor and Chair of Anesthesiology, and Professor of Pharmacology Weill Cornell Medical College Anesthesiologist-in-Chief New York Presbyterian Hospital/Weill Cornell

Shubjeet Kaur, MD, MScHCM

Professor and Executive Vice Chair, Anesthesiology University of Massachusetts Medical School Anesthesiology Director for Perioperative and NORA Services, UMass Memorial Medical Center

Paul McTague, Esq.

Martin, Magnuson, McCarthy & Kenney Attorneys at Law Boston, MA

Paul Myles, MBBS, MPH, MD, FCARCSI, FANZCA, FRCA

Professor/Director, Department of Anaesthesia and Perioperative Medicine, Alfred Hospital and Monash University, Melbourne, Australia

Gail A. Van Norman, MD

Professor and Director of Compliance, Anesthesiology & Pain Medicine and Director, UWMC Pre-Anesthesia & Surgery Clinic, University of Washington Medical Center Adjunct Professor of Biomedical Ethics University of Washington, Seattle

Claudia Spies, MD

Department of Anesthesiology and Intensive Care Medicine Campus Virchow-Klinikum and Campus Charité Mitte Charité - Universitätsmedizin Berlin, Berlin, Germany

Sarah Wiser, MD

Clinical Assistant Professor of Anesthesia Tufts University School of Medicine

REGISTRATION INFORMATION

Anesthesiology Update 2015 (Course #352425)	Register after Feb. 28, 2015	Register by Feb. 28, 2015 (SAVE \$100)
Physicians and CRNAs	\$1,295	\$1,195
Residents, Fellows, and Students	\$1,095	\$995
Optional Activities		
Lunch-and-Learn Roundtable Discussions (Roundtables limited to a maximum of 25 participants)	\$50/day	
Evening Activities (Evening activities limited to a maximum of 50 participants)		
Tuesday, May 12 Ether Dome Tour (off site): Includes refreshments and transportation. or ACLS Workshop (on site): Includes dinner.	·	75 325
Wednesday, May 13 Ultrasound Guided Regional Anesthesia Workshop (on site): Includes dinner.	\$3	325
Thursday, May 14 Difficult Airway Workshop (off site): Includes dinner and transportation	\$3	325

^{*}All fees shown in USD.

Friday, May 15: Post-Course MOCA Simulation**	\$1,400
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^{**} 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.

TUITION PAYMENT, CONFIRMATION, and REFUND POLICY

Payment via credit card (VISA, MasterCard, or American Express) or check only. Telephone, fax, and cash payment registrations are not accepted. Upon receipt of your paid registration, an email confirmation from the HMS DCE 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 distribution, and certificate delivery.

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

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

ACCOMMODATIONS and TRAVEL

A limited number of rooms have been reserved at the Fairmont Copley Plaza Hotel until March 17, 2015.

When calling the hotel, be sure to specify that you are enrolled in this activity to receive a reduced room rate. Hotel arrangements can also be made online. Visit Anesthesiology.HMSCME.com for details.

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

INQUIRIES

Call 617-384-8600 Monday - Friday, 9am - 5pm EST. Send email to HMS-CME@hms.harvard.edu

