

Comprehensive Anesthesiology Review

March 5-9, 2018

InterContinental Hotel and Bank of America Conference Center
Cleveland, OH

Register Today! ccfcme.org/GoAnesReview



Course Directors

Samuel Irefin, MD
Jennifer Hargrave, DO
Allen Keebler, DO
Andrew Zura, MD

Featuring

- Comprehensive Review Material For Further Review via a Mobile App
- Interactive Audience Response System
- Written Board Preparation Sessions
- Ultrasound Regional Anesthesia Workshop
- Ultrasound for Central Venous Access Workshop
- Lung Isolation Workshop
- Cardiac Ultrasound Workshop

YOU DON'T WANT TO MISS THIS ACTIVITY

This course is designed to be a comprehensive review of anesthesia, including clinical anesthesia and subspecialties. Included in perioperative medicine is coverage of the most common co-morbidities relevant to anesthesia and the basic science associated with anesthesia.

The course sessions are designed to provide you an inclusive overview of the broad practice of anesthesiology. Recommended attendees range from those wanting an in-depth refresher of the complete practice of anesthesiology to those preparing for national board exams. In addition to didactic sessions, nightly hands on workshops will be offered at no additional cost.

We will offer all materials provided by the faculty, facilitating review on your own schedule. All material will be included in the basic registration fee. Our goal is to provide an excellent product at an affordable price.

WHO SHOULD ATTEND

This course is designed for:

- The anesthesiologist desiring an up to date review of the specialty's current practice recommendations
- The anesthesiologist participating in the Maintenance of Competence in Anesthesiology (MOCA).
- Trainees preparing for national board certifying examinations
- Certified Nurse Anesthetists desiring a comprehensive specialty review

LEARNING OBJECTIVES

After completing this CME activity, participants will be able to do the following:

- Manage anesthesia-related challenges associated with airway management, anesthesia equipment, and potential catastrophic occurrences in the operating room
- Address anesthesia challenges associated with patients undergoing surgery for cardiovascular, hematologic, thoracic, urologic, neurologic, and ENT conditions
- Describe the challenges associated with anesthesia for pediatric patients, critically ill patients, obstetric patients, and patients with acute or chronic pain
- List the steps for a comprehensive preoperative patient evaluation
- Identify the issues associated with anesthesia in ambulatory care facilities including temperature regulation, postop nausea and vomiting, and implications for sleep apnea
- Critically review the pharmacology and clinical indications for inhaled anesthesia agents, intravenous agents, opioid, and neuromuscular blocks

COURSE DIRECTORS

Samuel Irefin, MD, FCCM
Associate Professor of Anesthesiology
Cleveland Clinic Lerner College of Medicine of
Case Western Reserve University
Anesthesiology Institute

Jennifer Hargrave, DO, FAOCA
Assistant Professor of Anesthesiology
Cleveland Clinic Lerner College of Medicine
Adult Cardiothoracic Anesthesiology Fellowship
Program Director
Staff Member
Department of Cardiothoracic Anesthesiology
Anesthesiology Institute

CODIRECTORS

Allen Keebler, DO
Section Head, General Surgery
Department of General Anesthesiology
Anesthesiology Institute

Andrew Zura, MD
Associate Clinical Director of the Operating Room
Department of General Anesthesiology
Anesthesiology Institute

ANESTHESIOLOGY INSTITUTE FACULTY

Mohammed Abdalla, MD
Hinda Abramoff, DO
Ahmad Adi, MD
Wael Ali Sakr Esa, MD
David Anthony, MD
John Apostolakis, MD
Sabri Barsoum, MD
Andrew Bauer, MD
Alina Bodas, MD
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Michael Dubinsky, DO
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Faith Factora, MD
Ehab Farag, MD
Ursula Galway, MD
Mariya Geube, MD
Joseph George, DO
Robert Helfand, MD
Mccallum Hoyt, MD, MBA
Sandeep Khanna, MD
Reem Khatib, MD

Erik Kraenzler, MD
Martin Laskey, DO
Kamal Maheshwari, MD
Natasha Malackany, DO
Edward Mascha, PhD
Piyush Mathur, MD
Marco Maurtua, MD
Nagy Mekhail, MD, PhD
Loran Mounir Soliman, MD
Douglas Naylor Jr, MD
Julie Niezgoda, MD
Mike O'connor, DO, MPH
Mauricio Perilla, MD
Grzegorz Pitas, MD
Shobana Rajan, MD
Michael Ritchey, MD
Stacy Ritzman, MD
Shelly-Anne Rodriguez, MD
Kenneth Saliba, DO
John Seif, MD
Nikolaos Skubus, MD
Roshni Sreedharan, MD
Mark Taylor, MD
John Tetzlaff, MD
David Traul, MD

MONDAY, MARCH 5, 2018

6:00 am	Registration, Continental Breakfast, and Exhibits
7:00 am	Welcome and Introduction
7:15 am – 5:30 pm	General Session
12:00 – 1:15 pm	Lunch Break
12:15 – 1:15 pm	Optional Written Board Question Review Workshop #1

AMBULATORY ANESTHESIA

- Temperature Regulation in the Perioperative Period
- Postoperative Nausea and Vomiting
- Anesthetic Implications of Obstructive Sleep Apnea
- Anesthesia for Ophthalmic Surgery

ACUTE PAIN MANAGEMENT I

- Basics of Ultrasound
- Local Anesthetics
- Upper Extremity Regional Anesthesia
- Lower Extremity Regional Anesthesia
- Central Neuraxial Blocks

ACUTE PAIN MANAGEMENT II

- Regional Anesthesia and Anticoagulants
- Multimodal Pain Management

CHRONIC PAIN I

- Anatomy and Physiology of Pain
- Neuropathic Pain

CHRONIC PAIN II

- Spine Pain
- Fibromyalgia and Myofascial Pain
- Complex Pain Syndromes
- Interventional Pain Medicine

OPTIONAL EVENING WORKSHOP

5:45 – 7:15 pm

Ultrasound for Regional Anesthesia

TUESDAY, MARCH 6, 2018

6:30 am	Registration, Continental Breakfast, and Exhibits
7:15 am – 5:30 pm	General Session
12:00 – 1:15 pm	Lunch Break
12:15 – 1:15 pm	Optional Written Board Question Review Workshop #2

ANESTHESIA EQUIPMENT

- Anesthesia Machines/Circuits
- Ventilators
- Electrical Safety
- Fires in the OR

ANESTHETIC AGENTS

- The Physics of Gases, Liquids and Vapors
- Inhaled Anesthetic Agents
- Pharmacology of Intravenous Agents
- Opioids
- Neuromuscular Blockade and Reversal

COMPLICATIONS OF ANESTHETIC AGENTS

- Malignant Hyperthermia
- Allergy, Anaphylaxis, and Anesthesia

AIRWAY MANAGEMENT IN DIFFICULT SITUATIONS

- ASA Difficult Airway Algorithm
- Management of the Airway in Acute Trauma

AIRWAY MANAGEMENT AND ENT SURGERY

- Airway Management for ENT Cases
- Use of Lasers for Airway Surgery

PREANESTHESIA TESTING

- AHA/ACC Guidelines for Cardiac Preop for Non-cardiac Surgery
- Anesthetic Implications of Recent Coronary Stenting and Anticoagulants

OPTIONAL EVENING WORKSHOP

5:45 – 7:15 pm

Ultrasound for Central Venous Access



WEDNESDAY, MARCH 7, 2018

6:30 am	Registration, Continental Breakfast, and Exhibits
7:15 am – 5:00 pm	General Session
12:00 – 1:15 pm	Lunch Break
12:15 – 1:15 pm	Optional Written Board Question Review Workshop #3

CARDIAC, THORACIC, AND VASCULAR I

- The Patient with Lung Cancer
- The Patient with Dysrhythmias
- The Patient in the Electrophysiology Lab
- The Patient with Carotid Artery Disease
- The Patient with Ischemic Heart Disease

CARDIAC, THORACIC, AND VASCULAR II

- The Patient with Mitral Valve Disease
- The Patient with Aortic Valve Disease
- The Patient with an Aortic Dissection
- The Patient with Pericardial Heart Disease

CARDIAC, THORACIC, AND VASCULAR III

- The Patient with Heart Failure
- The Patient in Cardiogenic Shock

HEMATOLOGY IN ANESTHESIA

- Intraoperative Assessment of Coagulation
- Hemoglobinopathies and Disorders of Coagulation
- Transfusion Reactions and Complications

ANESTHESIA OUTSIDE THE OPERATING ROOM

- Anesthesia for Procedures in the Bronchoscopy Suite
- Role of the Anesthesiologist in the GI Suite

OPTIONAL EVENING WORKSHOP

5:15 – 7:45 pm
Lung Isolation

THURSDAY, MARCH 8, 2018

6:30 am	Registration, Continental Breakfast, and Exhibits
7:15 am – 5:00 pm	General Session
12:00 – 1:15 pm	Lunch
12:15 – 1:15 pm	Optional Written Board Question Review Workshop #4

CRITICAL CARE

- Respiratory Anatomy and Physiology
- Management of Respiratory Failure
- Acid-base Physiology
- Circulatory Failure and Sepsis
- Acute Management of Trauma Patients

UROLOGY

- Renal Physiology
- Acute Renal Failure

PEDIATRICS I

- Pediatric Pharmacology
- Pediatric Fluids and Electrolytes

PEDIATRICS II

- Neonatal Surgical Emergencies
- Neonatal Resuscitation
- Anesthesia for Children with Congenital Heart Disease

OBSTETRICAL ANESTHESIA

- Perinatal Physiology and Pharmacology
- Neuraxial Anesthesia for the Obstetric Patient
- Anesthetic Management for Nonobstetrical Surgery in the Pregnant Patient
- Obstetrical Emergencies: Accreta, Abruptio and Uterine Rupture

OPTIONAL EVENING WORKSHOP

5:15 – 6:45 pm
Cardiac Ultrasound

FRIDAY, MARCH 9, 2018

6:30 am	Registration, Continental Breakfast, and Exhibits
7:15 am – 5:00 pm	General Session
12:00 – 1:15 pm	Lunch Break
12:15 – 1:15 pm	Optional Written Board Question Review Workshop #5

NEUROANESTHESIOLOGY I

- Neurophysiology I
- Neurophysiology II
- Neuropharmacology
- Anesthesia for Stroke Patients

NEUROANESTHESIOLOGY II

- Interventional Neuroradiology
- Evoked Potentials and Neurological Monitoring
- Neuromuscular Disease and Disorders

HEPATOLOGY

- Hepatic Physiology
- Anesthetic Considerations of Liver Disease

ENDOCRINE

- Endocrine Disease I (Pituitary, Thyroid, and Parathyroid Disease)
- Endocrine Disease II (Adrenal, Carcinoid, and Diabetes)
- Morbid Obesity

SAVING THE BEST FOR LAST: STATS, PRACTICE, SAFETY AND ETHICS

- The Basics of Biostatistics
- Ethical Issues in Anesthesiology
- Patient Safety
- Practice Management

A five-minute question and answer period is included in each speaker's allotted time.

GENERAL INFORMATION

Location

InterContinental Hotel and Bank of America Conference Center
9801 Carnegie Avenue
Cleveland, OH 44106
Phone: 216.707.4100 or 877.707.8999
www.intercontinentalcleveland.com

Hotel Accommodations

A block of rooms has been reserved at the InterContinental Hotel and at the InterContinental Suites Hotel only until 5:00 pm, February 12, 2018. The Suites Hotel is within walking distance to the InterContinental Hotel and Bank of America Conference Center.

To make your reservations, please call 216.707.4100 or 877.707.8999 and identify yourself as an attendee for the Cleveland Clinic Comprehensive Anesthesia Review Course for special rates:

- InterContinental Hotel and Bank of America Conference Center (Main Hotel):
\$199 plus tax
9801 Carnegie Avenue, Cleveland, OH 44106
- InterContinental Suites Hotel:
\$159 plus tax
8800 Euclid Avenue, Cleveland, OH 44106

Parking

Parking is available in the 100th Street Visitor's Parking Garage at prevailing rates. Valet parking at the hotel is available for an additional charge.

Information

For further information about this course, faculty disclosure and Americans with Disabilities Act, contact the Cleveland Clinic Center for Continuing Education at:

Website: ccfcme.org/GoAnesReview
Local: 216.444.9990

Study References

Included with your full registration is a complimentary mobile App available for download on tablets and smartphones incorporating PowerPoint slides with note-taking and highlighting ability. Take notes at the activity and continue reviewing when you get home.



Accreditation

The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Cleveland Clinic Foundation Center for Continuing Education designates

- Comprehensive Anesthesiology Review live activity for a maximum of 41 *AMA PRA Category 1 Credits™*.
- Optional Written Board Preparation Session live activity for a maximum of 1 *AMA PRA Category 1 Credits™* per session.
- Optional Evening Workshop live activity for a maximum of 1.5 to 2.5 *AMA PRA Category 1 Credits™* per workshop.

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

Participants claiming CME credit from this activity may submit the credit hours to the American Osteopathic Association for Category 2 credit.

This program has been prior approved by the American Association of Nurse Anesthetists for 53.00 Class A CE credits; Code Number 1035398; Expiration Date 3/9/2018.

Other Health Care Professionals

A certificate of participation will be provided to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

REGISTER ONLINE AT CCFCME.ORG/GOANESREVIEW

Fee includes: Breakfasts, refreshment breaks, lunch on Friday (only), workshops, and faculty presentations, available online via mobile device or laptop.

	Full	Per Day
Physician and Non-Physician	\$925	\$250
Resident*/Fellow*/SNA	\$825	\$230

*Letter from program director is required to receive the discounted fee. If letter is not received two weeks prior to the activity, the full physician fee will be charged.

Registration and Cancellation

Preregistrations are accepted until 2:00 pm ET, March 4, 2018. Register on site after this date.

In case of cancellation, email notification is required to process your refund. A full refund will be issued if canceled by February 5, 2018. After February 5, 2018, a \$150 cancellation fee will be deducted from your refund. No refunds will be issued after February 25th.

For questions about registration or cancellation, email us at cmeregistration@ccf.org or call 216.448.8710.

Cleveland Clinic Center for Continuing Education reserves the right to cancel or postpone an activity at our sole discretion. In the unlikely event that this occurs, any registration fee(s) paid will be refunded. Be advised that Cleveland Clinic is not responsible for related costs including airline tickets, hotel costs, or any similar fee penalties incurred as a result of any meeting cancellations or changes



Cleveland Clinic

The Cleveland Clinic Foundation
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Cleveland, OH 44195

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