Comprehensive Anesthesiology Review

Wednesday, April 24, 2019 – Sunday, April 28, 2019
InterContinental Hotel and Bank of America Conference Center
Cleveland, OH

Register Today! ccfcme.org/GoAnesReview

Course Directors
Samuel Irefin, MD, FCCM
Jennifer Hargrave, DO, FAOCA, FASA
Reem Khatib, MD

Featuring
• Comprehensive Review Material for Further Review via a Mobile App
• Written Board Preparation Sessions
• Interactive Audience Response System
• Ultrasound Best Techniques
• Regional Anesthesia 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 anesthesia. Attendees range from those wanting an in-depth refreshing of complete practice of anesthesia within a single conference to those preparing for national board exams. In addition to didactic sessions, evening hands-on workshops will be offered at no additional cost.

WHO SHOULD ATTEND

This course is designed for:

- The anesthesiologist desiring a complete review of the specialty’s current practice recommendations
- The anesthesiologist preparing for the Maintenance of Competence in Anesthesia (MOCA) recertification examination
- Trainees preparing for national 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 emergencies in the operating room
- Address anesthesia challenges associated with cardiovascular complications, including heart valve disease, heart failure, and ischemic heart disease, and obesity
- List the steps for a comprehensive preoperative patient evaluation
- Identify the issues associated with anesthesia care outside the operating room, in suites designed for ophthalmic surgery, gastrointestinal surgery, neuroradiology, and electrophysiology
- Describe the challenges associated with anesthesia for pediatric patients, critically ill patients, obstetric patients, and patients with acute or chronic pain
- Analyze and address practice management issues for patient safety, reimbursement, and medical-legal considerations
- Critically review the pharmacology and clinical indications for inhaled anesthesia agents, intravenous agents, opioid, and neuromuscular blocks

COURSE DIRECTORS

Samuel A. Irefin, MD, FCCM
Associate Professor of Anesthesiology
Cleveland Clinic Lerner College of Medicine
Department of General Anesthesiology
Anesthesiology Institute
Cleveland Clinic

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

Reem Khatib, MD
Staff
Department of General Anesthesiology
Anesthesiology Institute
Cleveland Clinic

FACULTY COURTESY OF THE CLEVELAND CLINIC ANESTHESIOLOGY AND PAIN MANAGEMENT INSTITUTE
(including the following departments and centers):

- General Anesthesiology
- Cardiothoracic Anesthesiology
- Critical Care
- Pain Management
- Pediatric Anesthesiology
- Regional Practice
WEDNESDAY, APRIL 24, 2019

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

BACK TO THE BASICS
• Anesthesia Machines/Circuits
• Ventilators
• The Physics of Gases, Liquids, and Vapors
• Inhaled Anesthetic Agents

MORE THAN JUST GAS
• Induction Agents in the Era of Drug Shortages (When Propofol is in Short Supply)
• Opioids (The Good and the Bad)
• Neuromuscular Blockade and Reversal
• Malignant Hyperthermia
• Local Anesthetics

ACUTE PAIN MANAGEMENT I
• Fundamental Concepts of Ultrasound Utilization (Physics of Ultrasounds, Image Optimization and Proper Utilization)
• Upper Extremity Regional Anesthesia
• Lower Extremity Regional Anesthesia
• Central Neuraxial Blocks

NEUROLOGICAL CONSIDERATIONS
• Neurophysiology I
• Neurophysiology II
• Neuropsychopharmacology
• Evoked Potentials and Neurological Monitoring

OPTIONAL EVENING WORKSHOPS
5:45 – 7:15 pm  Getting More From Your Ultrasound–Image Optimization, Best Technique and Proper Utilization

OR
5:45 – 8:15 pm  Lung Isolation Workshop

THURSDAY, APRIL 25, 2019

6:30 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 #2

WHAT DETERMINES ACIDOSIS AND ALKALOSIS?
• Respiratory Anatomy and Physiology
• Acid-base Physiology
• Renal Physiology
• Acute Renal Failure

REMEMBERING THE LIVER
• Hepatic Physiology
• Anesthetic Considerations of Liver Disease
• Intraoperative Assessment of Coagulation
• Hemoglobinopathies and Disorders of Coagulation
• Transfusion Reactions and Complications

QUALITY METRICS IN ANESTHESIA
• Postoperative Nausea and Vomiting
• Hypo and Hyperthermia–Temperature Regulation in the Perioperative Period

THE NATURE OF PAIN I
• Anatomy and Physiology of Pain
• Neuropathic Pain

MANAGEMENT OF PAIN II
• Spine Pain
• Fibromyalgia and Myofascial Pain
• Complex Pain Syndromes
• Interventional Pain Medicine

OPTIONAL EVENING WORKSHOP
5:45 – 7:15 pm  Regional Anesthesia Workshop: Essential Nerve Blocks
FRIDAY, APRIL 26, 2019

6:30 am  Registration, Continental Breakfast, and Exhibits
7:00 am   Welcome and Introduction
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

WHEN THE HEART IS BROKEN
• The Patient with Ischemic Heart Disease
• The Patient with Mitral Valve Disease
• The Patient with Aortic Valve Disease
• The Patient with Pericardial Heart Disease
• The Patient with Heart Failure

ADDRESSING THE COMPLICATED SITUATIONS AND UNDERSTANDING STATISTICAL ANALYSIS
• Ethical Issues in Anesthesiology
• The Basics of Biostatistics

PEDIATRIC PATIENTS: NOT JUST LITTLE ADULTS
• Pediatric Pharmacology
• Pediatric Fluids and Electrolytes
• Neonatal Surgical Emergencies

WHEN ANESTHESIOLOGISTS AND SURGEONS SHARE THE AIRWAY
• Airway Management for ENT Cases
• Use of Lasers for Airway Surgery

OPTIONAL EVENING WORKSHOP
5:15 – 6:45 pm  Cardiac Ultrasound Workshop

SATURDAY, APRIL 27, 2019

6:30 am  Registration, Continental Breakfast, and Exhibits
7:00 am   Welcome and Introduction
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 #4

EMERGENCIES IN ANESTHEΣIA I
• Fires in the OR
• The Danger of Electrical Charge and your Patient
• Allergy, Anaphylaxis, and Anesthesia
• ASA Difficult Airway Algorithm
• Management of the Airway in Acute Trauma

EMERGENCIES IN ANESTHEΣIA II
• Management of Respiratory Failure
• Perioperative Stroke Patients
• Neonatal Resuscitation
• Obstetrical Emergencies: Accreta, Abruption and Uterine Rupture

THE COMPLICATED PATIENT I
• Anesthetic Management for Non-Obstetrical Surgery in the Pregnant Patient
• The Patient with Circulatory Failure and Sepsis
• Anesthesia for Adults with Congenital Heart Disease

THE COMPLICATED PATIENT II
• The Patient in Cardiogenic Shock
• The Patient with Dysrhythmias

PREOPERATIVE ASSESSMENT
• AHA/ACC Guidelines for Cardiac Preop for Non-Cardiac Surgery
• Considerations of Coronary Stenting and Anticoagulants

SUNDAY, APRIL 28, 2019

6:30 am  Registration, Continental Breakfast, and Exhibits
7:00 am   Welcome and Introduction
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

ANESTHESIA OUTSIDE THE OPERATING ROOM I
• Anesthesia for Ophthalmic Surgery
• Role of the Anesthesiologist in the GI Suite
• Interventional Neuroradiology
• The Patient in Electrophysiology Lab

THE COMPLICATED PATIENT III
• The Patient with an Aortic Dissection
• The Patient with Lung Cancer
• The Patient with Carotid Artery Disease
• The Morbidly Obese Patient
• The Patient with Neuromuscular Disease

PRACTICE MANAGEMENT
• Promoting Patient Safety in your Practice
• Managing an Anesthesia Practice: The Must Knows for Reimbursement and Cost Effective Care
• Medical Legal Considerations for an Anesthesiologist

MAKING PATIENT PAIN MANAGEMENT A TOP PRIORITY
• Narcotic Free Anesthesia-Is it Possible?
• Multimodal Pain Management
• Regional Anesthesia and Anticoagulants
• Fascial Plane Blocks
• The Essential Regional Blocks that Every Anesthesiologist Must Understand!

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 (EST), April 2, 2019. The InterContinental Suites Hotel is within walking distance to the InterContinental Hotel and Bank of America Conference Center.

To make your reservations, please call 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):
  855.765.8709
  $199 plus tax
  9801 Carnegie Avenue, Cleveland, OH 44106

• InterContinental Suites Hotel:
  855.268.0352
  $160 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, contact the Cleveland Clinic Center for Continuing Education at:
Website: ccfcme.org/GoAnesReview
Local: 216.444.9990

Accreditation
The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education (ACCME) 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 41.25 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.

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.

Faculty Disclosure
The Cleveland Clinic Foundation Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education (ACCME) Standards for Commercial Support requiring resolution of all faculty conflicts of interest. Faculty declaring a relevant commercial interest will be identified in the activity syllabus.

Americans with Disabilities Act
The Cleveland Clinic Foundation Center for Continuing Education fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify us at least two weeks prior to the activity.

REGISTER ONLINE AT CCFCME.ORG/GOANESREVIEW

Fee includes: Breakfasts, refreshment breaks, workshops, and faculty presentations, available online via mobile device or laptop.

<table>
<thead>
<tr>
<th></th>
<th>Physician and Non-Physician</th>
<th>Resident*/Fellow*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fee</td>
<td>$985</td>
<td>$825</td>
</tr>
</tbody>
</table>

A 2-day minimum per day registration is available

*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, April 23, 2019. 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 March 24, 2019. After March 24, 2019, a $150 cancellation fee will be deducted from your refund. No refunds will be issued after April 19, 2019.

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.