

Comprehensive Anesthesiology Review

Monday, April 4 – Saturday, April 9, 2016

InterContinental Hotel and Bank of America Conference Center | Cleveland, OH

Register Today! ccfcme.org/GoAnesReview



Course Directors

John E. Tetzlaff, MD
Peter K. Schoenwald, MD
Jennifer Hargrave, DO
Allen Keebler, DO
Andrew Zura, MD

Featuring

- Comprehensive Syllabus Material –Flash Drive
- Interactive Audience Response System
- Oral Examination Demonstration Sessions
- Website Access – 100 Tips for Passing the Boards
- Written Board Preparation Sessions

Workshops

- Emergency Airway
- Lung Isolation
- Pain Management
- Transesophageal Echo
- Ultrasound for Central Venous Access
- Ultrasound for Regional Anesthesia

Topics Addressed

- Ambulatory Anesthesia
- Anesthesia and Coexisting Disease
- Anesthesia for ENT Surgery
- Anesthesiology and Gastrointestinal Disease
- Airway Management
- Basic Science
- Blood/Coagulation
- Cardiovascular Anesthesiology
- Critical Care
- Equipment
- Geriatrics and Ophthalmology
- Monitoring
- Neuroanesthesia
- Obstetric Anesthesiology
- Orthopedic Anesthesia and Acute Pain
- Pain Medicine
- Pediatric Anesthesiology
- Pharmacology
- Postanesthesia Care Unit
- Preanesthesia Testing
- Regional Anesthesia
- Thoracic Anesthesiology
- Urologic Anesthesia

COURSE DIRECTORS

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BRUCE VROOMAN, MD
HUI YANG, MD, PhD
GUANGXIANG YU, MD

YOU DON'T WANT TO MISS THIS ACTIVITY

This course is designed to be a comprehensive review of Anesthesiology, including clinical anesthesia and subspecialties such as cardiothoracic, obstetric and pediatric anesthesiology, critical care, acute and chronic pain medicine, and perioperative medicine. 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 help improve the participant's performance on written and oral anesthesiology examinations. Each registrant will be entitled to attend written board sessions each evening at which written questions will be presented, discussed and answered, grouped by themes. These sessions will be moderated by faculty who regularly organize and hold sessions for our residency program. The participant will also have the option of attending our mock oral examination seminar, where proper techniques (and common errors) will be demonstrated using faculty as both examiner and candidate, with active debriefing sessions involving all participants. A TEE workshop, emergency airway workshop, and ultrasound for CV access, and an ultrasound regional anesthesia workshop are included at no cost.

An additional benefit of this course will be the enduring materials provided with registration to all participants. We will provide a syllabus that is comprehensive to a review course in a formatted jump drive which will be a benefit to those attending the course. **Our goal is to provide an excellent product at an affordable price.**

WHO SHOULD ATTEND

This course is designed for anesthesiology residents preparing for certifying examinations, physicians in practice, and Certified Nurse Anesthetists who desire all or part of a comprehensive review of the specialty. The course is also available to Student Nurse Anesthetists who are preparing for their certification examination. It is also designed for the anesthesiologist in practice who plans to take the Maintenance of Competence in Anesthesiology (MOCA) recertification examination.

OBJECTIVES

By attending you will be able to:

- Manage anesthesia-related challenges associated with blood banking and transfusion techniques, monitoring, airway management, and coagulation;
- Discuss current issues for anesthesia management of patients undergoing surgery for cardiovascular, ear, nose, and throat, gastrointestinal, neurologic, obstetric, orthopedic, thoracic, or urologic conditions;
- Summarize the clinical issues associated with preanesthesia testing, postanesthesia care, critical care, regional anesthesia, and pain medications;
- Identify and address the challenges associated with anesthesia for patients with coexisting diseases;
- Summarize recent innovations in techniques, devices, and drugs for anesthesia and describe their implications for clinical practice.



COMPREHENSIVE ANESTHESIOLOGY REVIEW AGENDA

(Times and topics are subject to change)

MONDAY, APRIL 4, 2016

7:00 am Registration, Continental Breakfast, and Exhibits

7:30 am Welcome and Introduction

7:45 am – 5:45 pm (Lunch 12:00 – 1:30 pm)

PRE-ANESTHESIA TESTING

- AHA/ACC Guidelines for Cardiac Preop for Non-Cardiac Surgery
- Anesthetic Implications of Recent Coronary Artery Stenting
- Role of Beta Blockers and Statins in the Perioperative Period
- Anesthetic Implications of Herbal Medications

AMBULATORY ANESTHESIA

- Role of the Anesthesiologist in the GI Suite
- Anesthetic Implications of Obstructive Sleep Apnea
- Anesthesia for Procedures in the Electrophysiology Suite
- Conscious Sedation

GERIATRICS

- Rheumatoid Arthritis and Anesthesia
- Anesthesia for Geriatric Patients
- Cardiopulmonary Resuscitation
- Neonatal Resuscitation

CRITICAL CARE

- Management of Respiratory Failure
- Circulatory Failure
- Sepsis
- Acute Renal Failure

OPTIONAL EVENING SESSIONS

6:00 – 7:30 pm (choose 1)

- Written Board Question Session #1
- Oral Exam Strategy Seminar (A)

THURSDAY, APRIL 7, 2016

7:00 am Registration, Continental Breakfast, and Exhibits

7:45 am – 5:45 pm (Lunch 12:00 – 1:30 pm)

NEUROANESTHESIA

- Neurophysiology
- Air Embolism and Positioning for Neurosurgery
- Interventional Neuroradiology
- Anesthesia for Spine Surgery

UROLOGIC ANESTHESIA

- Renal Physiology
- Renal Preservation
- Acid-base Physiology
- Chronic Renal Failure

PEDIATRIC ANESTHESIOLOGY

- Pediatric Pharmacology
- Pediatric Fluids and Electrolytes
- Neonatal Surgical Emergencies
- Anesthesia for Children with Congenital Heart Disease

OBSTETRIC ANESTHESIOLOGY

- Perinatal Physiology and Pharmacology
- Third Trimester Bleeding and High Risk Pregnancy
- Anesthesia for Non-Obstetric Surgery in the Pregnant Patient
- Obstetric Regional Anesthesia

OPTIONAL EVENING SESSIONS

6:00 – 7:30 pm (choose 1)

- Written Board Question Session #4
- Lung Isolation Workshop (E) (**6:00 – 8:30 pm**)
- Trans-esophageal Echo Workshop (F)

TUESDAY, APRIL 5, 2016

7:00 am Registration, Continental Breakfast, and Exhibits

7:45 am – 5:45 pm (Lunch 12:00 – 1:30 pm)

BASIC SCIENCE

- Pharmacology of Intravenous Agents
- Gases, Liquids, and Vapors
- Introduction to Biostatistics
- Malignant Hyperthermia

PHARMACOLOGY

- Basic Pharmacology for Anesthesiology
- Opioids
- Local Anesthetics
- Inhaled Anesthetic Agents

MONITORING

- Evoked Potential Monitoring
- Anesthetic Considerations for Procedures in the MRI Unit
- Neuromuscular Blockade and Reversal
- Hemodynamic Monitoring

EQUIPMENT

- Ventilators
- Electrical Safety
- Anesthesia Machines
- Cell Salvage and Auto Transfusion

OPTIONAL EVENING SESSIONS

6:00 – 7:30 pm (choose 1)

- Written Board Question Session #2
- Ultrasound for Regional Anesthesia Workshop (B)
- Emergency Airway Workshop (C)

FRIDAY, APRIL 8, 2016

7:00 am Registration, Continental Breakfast, and Exhibits

7:45 am – 5:45 pm (Lunch 12:00 – 1:30 pm)

POST-ANESTHESIA CARE UNIT

- Anesthetic Issues in the PACU
- Temperature Regulation in the Perioperative Period
- Post-Operative Nausea and Vomiting
- Arrhythmia

REGIONAL ANESTHESIA

- Upper Extremity Regional Anesthesia
- Lower Extremity Regional Anesthesia
- Central Neuraxial Blocks
- Complications of Regional Anesthesia

ORTHOPEDIC ANESTHESIA AND ACUTE PAIN

- Orthopedic Anesthesia
- Regional Anesthesia and Anticoagulants
- Pediatric Regional Anesthesia
- Acute Management of Major Trauma

PAIN MEDICINE

- Anatomy and Physiology of Acute Versus Chronic Pain and Therapeutic Implications
- Medical Management of Neuropathic Pain
- Interventions for Spine Pain
- Complications of Interventional Pain Management

OPTIONAL EVENING SESSIONS

6:00 – 7:30 pm (choose 1)

- Written Board Question Session #5
- Ultrasound for Regional Anesthesia Workshop (G)
- Pain Management Workshop (H)

WEDNESDAY, APRIL 6, 2016

7:00 am Registration, Continental Breakfast, and Exhibits

7:45 am – 5:45 pm (Lunch 12:00 – 1:30 pm)

AIRWAY MANAGEMENT

- ASA Difficult Airway Algorithm
- Management of the Airway in Acute Trauma
- Anesthesia for Ophthalmic Surgery
- Video Laryngoscopy Devices

ANESTHESIA FOR ENT SURGERY

- Use of Lasers for Airway Surgery
- Anesthesia for Procedures in the Bronchoscopy Suite
- Regional Anesthesia for the Airway
- Elective Jet Ventilation

ANESTHESIOLOGY AND GASTROINTESTINAL DISEASE

- Anesthesia and Liver Disease
- Enteral and Parenteral Nutrition
- Gastric Emptying, GERD, Reflux
- Morbid Obesity

ANESTHESIA AND COEXISTING DISEASE

- Pulmonary Disease
- Endocrine Disease
- Allergy, Anaphylaxis, and Anesthesia
- Neuromuscular Diseases

OPTIONAL EVENING SESSIONS

6:00 – 7:30 pm (choose 1)

- Written Board Question Session #3
- Ultrasound for Central Venous Access (D)

SATURDAY, APRIL 9, 2016

7:00 am Registration, Continental Breakfast, and Exhibits

7:45 am – 5:45 pm (Lunch 12:00 – 1:30 pm)

CARDIOVASCULAR ANESTHESIOLOGY I

- Cardiovascular Anatomy, Physiology, and Monitoring
- Cardiovascular Pharmacology
- Ischemic Heart Disease
- The Patient with Valvular Heart Disease

CARDIOVASCULAR ANESTHESIOLOGY II

- The Heart Failure Patient
- The Basis of Mechanical Cardiac Support
- Anesthesia for Peripheral Vascular Surgery
- Abdominal and Thoracic Aortic Surgery

THORACIC ANESTHESIOLOGY

- Respiratory Anatomy and Physiology
- Preoperative and Intraoperative Management of the Thoracic Patient
- Postoperative Pain and Respiratory Failure Management of the Thoracic Patient
- The Pacemaker Patient

BLOOD/COAGULATION

- Intraoperative Assessment of Coagulation
- Hemoglobinopathies and Disorders of Coagulation
- Transfusion Reactions
- Consequences of Massive Transfusion

Speakers will utilize the audience response system (ARS) during their presentations. They will be available during the refreshment breaks and lunch for questions.

GENERAL INFORMATION

Meeting Location

InterContinental Hotel and Bank of America Conference Center

9801 Carnegie Avenue
Cleveland, OH 44106

Phone: 216.707.4100 or 877.707.8999

Hotel Accommodations

A block of rooms has been reserved at the InterContinental Conference Hotel and InterContinental Suites Hotel until **5:00 pm, March 3, 2016**. To make your reservation, contact the hotel reservations department at 216.707.4100 or 877.707.8999. Please identify yourself as being with the **Cleveland Clinic Comprehensive Anesthesiology Review Course**.

Special rates are listed below:

- InterContinental Conference Hotel (Main Hotel)
9801 Carnegie Avenue, Cleveland, OH 44106
\$195 deluxe king (plus tax)
- InterContinental Suites Hotel
8800 Euclid Avenue, Cleveland, OH 44106
\$155 deluxe king suite (plus tax)

The Suites hotel is within walking distance to the InterContinental Hotel and Bank of America Conference Center, where the meeting is being held.

Parking

Parking is available in the 100th Street Visitor's Parking Garage for a charge of \$10 per day. Valet parking is available at the hotel for an additional charge.

Information

For further information about this course, contact the Cleveland Clinic Center for Continuing Education at:

Local: 216.448.0770
Toll Free: 800.238.6750

Web Address: ccfcme.org/GoAnesReview

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 this live activity for a maximum of 56.50 AMA PRA Category 1 Credits™. 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 56.75 Class A CE credits; Code Number 1032009; Expiration Date 04/09/16.

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 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 the Cleveland Clinic Center for Continuing Education at 216.448.0770 at least two weeks prior to the activity.

Registration and Cancellation

Preregistrations are accepted by fax or online until 5:00 pm ET, March 31, 2016. To register after this date you must do so on-site. In case of cancellation, a full refund will be made if canceled by March 25, 2016. After March 25, 2016, a \$150 cancellation fee will be deducted from your refund. Written notification of your cancellation is required to process your refund.

NO REFUNDS WILL BE ISSUED AFTER April 3, 2016.

Recordings or reproducing of this course in any format is strictly prohibited.



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TWO WAYS TO REGISTER



ONLINE

ccfcme.org/GoAnesReview

Cleveland Clinic employee fees and registration are available online only.



BY MAIL

The Cleveland Clinic Educational Foundation
PO Box 931653, Cleveland, OH 44193-1082

Make check payable to:

The Cleveland Clinic Educational Foundation

Total check amount enclosed: \$ _____

PLEASE PRINT If registering by mail, complete the information below.

First Name:	MI:	Last Name:	Degree:
Company Name:			
Address:			
City:	State:	Zip:	
Phone Number:	Fax Number:		
Specialty:	Email Address:		
Type of Practice:	☐ Office-Based ☐ Hospital-Based ☐ Resident/Fellow ☐ Other		

FEES

Fee includes: meeting materials, continental breakfasts, refreshment breaks, workshops, website access to 100 tips for passing the boards and electrical outlet for laptops is available at each seat.

	Full Course		Per Day
	Paper, Data Stick Syllabus ☐ All Days (Paper syllabus advance reg. only by 03/21/16)	Data Stick Syllabus ☐ All Days	(2 Day Minimum) Data Stick Syllabus ☐ Monday ☐ Tuesday ☐ Wednesday ☐ Thursday ☐ Friday ☐ Saturday (Per day data stick Syllabus only, advance reg. only by 03/28/16)
☐ Physician	\$1,025	\$895	\$220 per day
☐ Non Physician	\$1,025	\$895	\$220 per day
☐ Resident*/Fellow*/SNA	\$925	\$795	\$200 per day

*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.

OPTIONAL EVENING SESSION SIGN-UP Please indicate your choice:

Monday, April 4 (choose one) ☐ Written Board Question Session #1 ☐ Oral Exam Strategy Seminar (A)	Thursday, April 7 (choose one) ☐ Written Board Question Session #4 ☐ Lung Isolation Workshop (E) ☐ Trans-esophageal Echo Workshop (F)
Tuesday, April 5 (choose one) ☐ Written Board Question Session #2 ☐ Ultrasound for Regional Anesthesia Workshop (B) ☐ Emergency Airway Workshop (C)	Friday, April 8 (choose one) ☐ Written Board Question Session #5 ☐ Ultrasound for Regional Anesthesia Workshop (G) ☐ Pain Management Workshop (H)
Wednesday, April 6 (choose one) ☐ Written Board Question Session #3 ☐ Ultrasound for Central Venous Access (D)	

For registration questions, please send email to cmeregistration@ccf.org or call 216.448.8710.

Cleveland Clinic recognizes the importance of protecting the privacy and security of information provided to us. Therefore, we are no longer requesting credit card data in writing, including on registration forms or faxes. If you would like to register using a credit card, please log in to ccfcme.org/GoAnesReview or call 216.448.8710 where it will be handled directly by a certified processor.

Cleveland Clinic Center for Continuing Education reserves the right to cancel or postpone activity in 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 trip cancellations or changes.



Cleveland Clinic

The Cleveland Clinic Foundation
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Cleveland, OH 44195

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Anesthesiology Institute

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