

Comprehensive Anesthesiology Review

Sunday, March 25 – Friday, March 30, 2012

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

Register Today www.ccfcmec.org/AnesReview12

**Free TEE Workshop
and Ultrasound Workshops**
(included with registration fee)

Course Directors

John E. Tetzlaff, MD
Peter K. Schoenwald, MD
D. John Doyle, MD, PhD
Andrew Zura, MD

Featuring

- Interactive audience response system
- Written board preparation sessions
- Oral examination workshop
- TEE introductory workshop
- Ultrasound regional anesthesia workshop
- Comprehensive syllabus material – CD-ROM
- Website access – 100 tips for passing the boards
- Emergency airway workshop
- Ultrasound for central venous access workshop

COURSE DIRECTORS

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Cleveland Clinic Lerner College of
Medicine of Case Western
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BRUCE VROOMAN, MD

LEE WALLACE, MD

SIVAN WEXLER, MD, MBBS

GUANGXIANG YU, MD

SHERIF ZAKY, MD

COURSE DESCRIPTION

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 comorbidities 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. As an added benefit, registrants can attend written practice board sessions each evening during which written questions will be presented, discussed, and answered. These sessions, which are included in the registration fee, will be grouped by themes and moderated by faculty who regularly organize and hold sessions for our residency program.

Participants will have the option of attending a mock oral examination strategy seminar in which 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 an ultrasound regional anesthesia workshop are included at no cost.

Additional course benefits provided as part of registration include the following:

- Meeting materials;
- Comprehensive syllabus material on a CD-ROM or paper;
- Access via password to the website "100 tips for passing your boards;"

Our goal is to provide an excellent product at an affordable price.

TARGET AUDIENCE

The aim of this course is to attract 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 practicing anesthesiologist who plans to take the Maintenance of Competence in Anesthesiology (MOCA) recertification examination.

OBJECTIVES

At the conclusion of this course, the participant will be able to do the following:

- Discuss preanesthesia testing;
- Review the pharmacology of anesthetic agents;
- Identify and manage major comorbidities;
- Discuss appropriate use of monitoring techniques;
- Summarize use of transesophageal echocardiography;
- Discuss difficult airway management;
- Describe blood banking and transfusion techniques;
- Manage coagulation issues;
- ambulatory anesthesia;
- cardiac anesthesia;
- thoracic anesthesia;
- neuroanesthesia;
- vascular anesthesia;
- obstetric anesthesia;
- pediatric anesthesia;
- regional anesthesia;
- urologic anesthesia;
- orthopedic anesthesia;
- anesthesiology critical care;
- anesthesia for ENT surgery;
- anesthesia for ophthalmology;
- pain medicine;
- ultrasound-assisted regional anesthesia;
- analgesia for acute postoperative pain.



COMPREHENSIVE ANESTHESIOLOGY REVIEW AGENDA

(times and topics are subject to change)

SUNDAY, MARCH 25, 2012

7:00 am Registration/Continental Breakfast/Exhibits

7:30 am Welcome and Introduction

7:45 am – 6:00 pm (Lunch: 12:00 – 1:30 pm)

PREANESTHESIA TESTING

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

AMBULATORY ANESTHESIA

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

GERIATRICS AND OPHTHALMOLOGY

- Anesthesia for Ophthalmic Surgery
- Anesthesia for Geriatric Patients
- Cardiopulmonary Resuscitation
- Neonatal Resuscitation

CRITICAL CARE ANESTHESIA

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

OPTIONAL EVENING SESSIONS

6:00 – 7:30 pm

Written Board Preparation Session #1

OR

Oral Examination Strategy Seminar (A)

WEDNESDAY, MARCH 28, 2012

7:00 am Registration/Continental Breakfast/Exhibits

7:45 am – 6:00 pm (Lunch: 12:00 – 1:30 pm)

CARDIOVASCULAR ANESTHESIOLOGY I

- Cardiovascular Anatomy and Physiology
- Cardiovascular Pharmacology
- Valvular Heart Disease
- Ischemic Heart Disease

CARDIOVASCULAR ANESTHESIOLOGY II

- Cardiopulmonary Bypass and Circulatory Assist Devices
- Congestive Heart Failure, Pericardial Disease, and Pulmonary Embolism
- Abdominal and Thoracic Aortic Surgery
- Anesthesia for Peripheral Vascular Surgery

THORACIC ANESTHESIOLOGY

- Respiratory Anatomy and Physiology
- One-Lung Ventilation and Hypoxic Pulmonary Vasoconstriction
- Analgesia for Thoracic Surgery
- Pacemakers and Automated Internal Cardiac Defibrillators

BLOOD/COAGULATION

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

OPTIONAL EVENING SESSIONS

6:00 – 7:30 pm

Written Board Preparation Session #4

OR

Transesophageal Echo Workshop (E)

OR

Ultrasound for Regional Anesthesia Workshop (F)

MONDAY, MARCH 26, 2012

7:00 am Registration/Continental Breakfast/Exhibits

7:45 am – 6:00 pm (Lunch: 12:00 – 1:30 pm)

BASIC SCIENCE

- Temperature Regulation in the Perioperative Period
- Gases, Liquids, and Vapors
- Statistics, Computers, and Anesthesiology
- 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 Autotransfusion

OPTIONAL EVENING SESSIONS

6:00 – 7:30 pm

Written Board Preparation Session #2

OR

Ultrasound for Regional Anesthesia Workshop (B)

THURSDAY, MARCH 29, 2012

7:00 am Registration/Continental Breakfast/Exhibits

7:45 am – 6:00 pm (Lunch: 12:00 – 1:30 pm)

POSTANESTHESIA CARE UNIT

- Anesthetic Issues in the PACU
- Perioperative Cardiac Stress Testing
- Postoperative 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 vs. Chronic Pain, and Therapeutic Implications
- Herpes Zoster and Post Herpetic Neuralgia
- Management of Cancer Pain
- Complex Regional Pain Syndromes

OPTIONAL EVENING SESSIONS

6:00 – 7:30 pm

Written Board Preparation Session #5

OR

Pain Medicine Workshop (G)

TUESDAY, MARCH 27, 2012

7:00 am Registration/Continental Breakfast/Exhibits

7:45 am – 6:00 pm (Lunch: 12:00 – 1:30 pm)

AIRWAY MANAGEMENT

- ASA Difficult Airway Algorithm
- Management of the Airway in Acute Trauma
- Video Laryngoscopy Devices
- Rheumatoid Arthritis and Anesthesia

ANESTHESIA FOR ENT SURGERY

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

ANESTHESIA AND COEXISTING DISEASE

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

ANESTHESIOLOGY AND GASTROINTESTINAL DISEASE

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

OPTIONAL EVENING SESSIONS

6:00 – 7:30 pm

Written Board Preparation Session #3

OR

Emergency Airway Workshop (C)

OR

Ultrasound for Central Venous Access Workshop (D)

FRIDAY, MARCH 30, 2012

7:00 am Registration/Continental Breakfast/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 Nonobstetric Surgery in the Pregnant Patient
- Obstetric Regional Anesthesia

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

Recording or reproduction of this course in any format is strictly prohibited.

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



Hotel Accommodations

A block of rooms has been reserved at the InterContinental Conference Hotel and InterContinental Suites Hotel until **5:00 pm February 25, 2012**. To make your reservations, 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, \$175 single/double plus tax (**online code REA**)
- InterContinental Suites Hotel, \$149 single/double plus tax (**online code D21**)

The InterContinental Conference Hotel is located at 9801 Carnegie Avenue, on the campus of The Cleveland Clinic. The InterContinental Suites Hotel is located at 8800 Euclid Avenue and is within walking distance to the InterContinental Hotel and Bank of America Conference Center.

Ground Transportation

Taxi service is available from Cleveland Hopkins International Airport to the InterContinental Hotel and Bank of America Conference Center.

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: www.cfcme.org/AnesReview12

For questions about registering online, call 216.448.0777 or email cmeregistration@ccf.org.

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.

Registration and Cancellation

Preregistrations are accepted by fax or online until 5:00 PM ET **March 22, 2012**. 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 12, 2012. After March 12, 2012, a \$100 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 5:00 PM ET MARCH 23, 2012.

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 57 *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 Council on Continuing Medical Education for Category 2 credit.

The Ohio Board of Nursing will accept at face value the number of contact hours awarded for an educational activity that has been approved for CE by a nationally accredited system of CE approval. Therefore, the 57 *AMA PRA Category 1 Credits™* will be accepted for nursing credits.

This program is approved by the American Association of Nurse Anesthetists for 55 CE credits; Code Number 34360; Expiration Date March 30, 2012.

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 FORM

Comprehensive Anesthesiology Review

March 25 – March 30, 2012 | InterContinental Hotel and Bank of America Conference Center

Course Number • 011907
Office Use Only

Fee _____ Date _____
MOP _____ CXL/Fee _____

FEES

Fee includes syllabus materials, continental breakfasts, and refreshment breaks. Lunch is on your own. A table and electrical outlet for laptops is available at each seat.

	Full Course Paper and CD Syllabus <input type="checkbox"/> 6 Days Paper syllabus is available only with advance registration and payment until 5:00 pm ET March 12, 2012	Full Course CD Syllabus Only <input type="checkbox"/> 6 Days	Per Day (2 Day Minimum) (includes per day CD syllabus) <input type="checkbox"/> SUNDAY <input type="checkbox"/> MONDAY <input type="checkbox"/> TUESDAY <input type="checkbox"/> WEDNESDAY <input type="checkbox"/> THURSDAY <input type="checkbox"/> FRIDAY
<input type="checkbox"/> Resident/Fellow*	\$745.00	\$695.00	\$175.00 (per day)
<input type="checkbox"/> Physician	\$845.00	\$795.00	\$195.00 (per day)
<input type="checkbox"/> CRNA	\$845.00	\$795.00	\$195.00 (per day)
<input type="checkbox"/> SNA (full time)*	\$745.00	\$695.00	\$175.00 (per day)

*Letter from program director must be received in our office prior to the course to receive this fee

REGISTER ONLINE

www.ccfme.org/AnesReview12

Once you register online, please do not mail or fax in a registration form. Cleveland Clinic employee fees and registration are available online only.

OPTIONAL EVENING SESSION SIGN-UP (6:00 pm – 7:30 pm) Please indicate your choice:

Sunday, March 25: <input type="checkbox"/> Written Board Preparation #1 OR <input type="checkbox"/> Oral Examination Strategy Seminar (A)	Wednesday, March 28: <input type="checkbox"/> Written Board Preparation #4 OR <input type="checkbox"/> Transesophageal Echo Workshop (E) OR <input type="checkbox"/> Ultrasound for Regional Anesthesia Workshop (F)
Monday, March 26: <input type="checkbox"/> Written Board Preparation #2 OR <input type="checkbox"/> Ultrasound for Regional Anesthesia Workshop (B)	Thursday, March 29: <input type="checkbox"/> Written Board Preparation #5 OR <input type="checkbox"/> Pain Medicine Workshop (G)
Tuesday, March 27: <input type="checkbox"/> Written Board Preparation #3 OR <input type="checkbox"/> Emergency Airway Workshop (C) OR <input type="checkbox"/> Ultrasound for Central Venous Access Workshop (D)	

Complete the information below if registering by mail or fax:

PLEASE PRINT

First Name: _____ Last Name: _____ MI: _____

Degree: _____ Company Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone Number: _____ Fax Number: _____

Specialty: _____ Email Address: _____

Type of Practice: Office Based Hospital Resident/Fellow Other

TOTAL AMOUNT ENCLOSED OR TO BE CHARGED \$ _____

Make check payable to: The Cleveland Clinic Educational Foundation

or charge the following account: Visa MasterCard American Express Discover

Purchase orders are not accepted

Card Number: _____ Expiration Date: _____

Signature: _____ 3 or 4 Digit Verification Number: _____

Not Valid Without Signature

FAX NUMBER 216.448.0783

MAILING ADDRESS The Cleveland Clinic Educational Foundation
P.O. Box 931653 • Cleveland, OH 44193-1082

For additional questions about registering online, call
216.448.0777 or email cmeregistration@ccf.org

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The Cleveland Clinic Foundation
Center for Continuing Education
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Cleveland, OH 44195

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