

Comprehensive Anesthesiology Review

Monday, March 28 – Saturday, April 2, 2011

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

Register Today www.ccfcmec.org/AnesReview11

**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

- Written board preparation sessions
- Oral examination demonstration sessions
- Optional mock oral examinations
- Ultrasound regional anesthesia workshop
- Comprehensive syllabus material – CD-ROM
- Website access – 100 tips for passing the boards
- Emergency airway workshop
- Ultrasound central line workshop
- Interactive Audience Response System

Course Directors

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JACEK CYWINSKI, MD

JEROME O'HARA, MD

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NADEEM RAHMAN, MD

BRIAN FITZSIMONS, MD

ANTONIO RAMIREZ, MD

JOSEPH FOSS, MD

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DANIEL SESSLER, MD

ALLEN KEEBLER, DO

SARA SPAGNUOLO, MD

PAUL KEMPEN, MD, PhD

WOLF STAPELFELDT, MD

REEM KHATIB, MD

DAVID TRAU, MD, PhD

MARIEL MANLAPAZ, MD

LEE WALLACE, 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. Registrants can attend written board sessions each evening at which written questions will be presented, discussed, and answered. These sessions will be grouped by themes and moderated by faculty who regularly organize and hold sessions for our residency program. Participants will also have the option of attending a mock oral examination 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. Those who participate in the mock oral session can also sign up for traditional mock oral examinations in a one-on-one private format that will include a debriefing session. 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:

- Enduring materials;
- A comprehensive syllabus appropriate to a review course;
- Syllabus material in a CD-ROM format;
- Access via password to a website "100 tips for passing your Boards";
- Optional one-on-one practice oral examinations (additional fee required).

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
- Define pharmacology for anesthesiology
- Identify the pharmacology of anesthetic agents
- Identify major comorbidities
- Discuss monitoring
- Describe transesophageal echocardiography
- Discuss airway management
- Identify blood banking and transfusion techniques
- Discuss coagulation
- Discuss practice management
- Describe techniques for
 - 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)

MONDAY, MARCH 28, 2011

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)

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

OPTIONAL EVENING SESSIONS

6:00 – 7:30 pm
Written Board Preparation Session #1
Oral Examination Strategy Seminar (A)

TUESDAY, MARCH 29, 2011

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
Ultrasound for Regional Anesthesia Workshop (B)

WEDNESDAY, MARCH 30, 2011

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
Anesthesia for Procedures in the Bronchoscopy Suite

ANESTHESIA FOR ENT SURGERY

Regional Anesthesia of the Airway
Use of Lasers for Airway Surgery
Adult Epiglottitis
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
Emergency Airway Workshop (C)
Ultrasound for Central Line Workshop (D)

THURSDAY, MARCH 31, 2011

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
Transesophageal Echo Workshop (E)
Ultrasound for Regional Anesthesia Workshop (F)

FRIDAY, APRIL 1, 2011

7:00 am Registration/Continental Breakfast/Exhibits
7:45 am – 6:00 pm (Lunch: 12:15 – 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
Anesthesia for Trauma

PAIN MEDICINE

Anatomy and Physiology of Acute versus Chronic Pain, and Therapeutic Implications
Opiates and Chronic Benign Pain
Management of Cancer Pain
Complex Regional Pain Syndromes

OPTIONAL EVENING SESSIONS

6:00 - 7:30 pm
Written Board Preparation Session #5
Pain Medicine Workshop (G)

SATURDAY, APRIL 2, 2011

7:00 am Registration/Continental Breakfast/Exhibits
7:45 am – 5:45 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

Speakers will utilize the Audience Response System (ARS) during their presentations and will be available during the refreshment breaks and lunch for questions.

Recording or reproducing 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 Hotel for a special rate of \$175 single/double (plus tax) and at the InterContinental Suite Hotel located at 8800 Euclid Avenue for a special rate of \$149 single/double (plus tax). The Suite Hotel is within walking distance to the InterContinental Hotel and Bank of America Conference Center. To obtain these special rates you must make your reservation by **5:00 pm February 27, 2011**. To make your reservations, contact the hotel Reservations Department at 216.707.4100 or 1.877.707.8999. Please identify yourself as being with the **Cleveland Clinic Comprehensive Anesthesiology Review Course** (online code **CAR**).

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.ccfme.org/AnesReview11

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

For emergency phone calls during the course, call 216.707.4100 and ask for the Cleveland Clinic Registration Desk.

Registration and Cancellation

Preregistrations are accepted by fax or online until 5:00 pm ET **March 24, 2011**. 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 22, 2011. After March 24, 2011, a \$50 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 MARCH 27, 2011.**

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.

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 educational activity for a maximum of 56.75 *AMA PRA Category 1 Credits™*. Physicians should only claim 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 56.75 *AMA PRA Category 1 Credits™* will be accepted for nursing credits.

Approved by the American Association of Nurse Anesthetists for a maximum of 50 credits. Code Number 33538; expiration date April 2, 2011.

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 2011

March 28 – April 2, 2011 | InterContinental Hotel and Bank of America Conference Center

Course Number • 011745
Office Use Only

Fee _____ Date _____
MOP _____ CXL/Fee _____

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

FEES

Fee includes syllabus material (hard copy and CD-ROM), continental breakfasts, and refreshment breaks. Lunch on your own. A table and electrical outlet for laptops are 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 24, 2011 | Full Course CD Syllabus Only <input type="checkbox"/> 6 Days | Per Day (2 Day Minimum) (includes per day paper syllabus) <input type="checkbox"/> MON <input type="checkbox"/> TUES <input type="checkbox"/> WED <input type="checkbox"/> THURS <input type="checkbox"/> FRI <input type="checkbox"/> SAT |
|---|--|---|--|
| <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.ccfcmecme.org/AnesReview11

Once you register online, please do not mail or fax in a registration form.

CCF main campus, family health centers and CCHS community hospital employees (physicians and nonphysicians) should register at the above web address.

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

| | |
|--|--|
| Monday: <input type="checkbox"/> Written Board Preparation #1 OR <input type="checkbox"/> Oral Examination Strategy Seminar (A) | Thursday: <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) |
| Tuesday: <input type="checkbox"/> Written Board Preparation #2 OR <input type="checkbox"/> Ultrasound for Regional Anesthesia Workshop (B) | Friday: <input type="checkbox"/> Written Board Preparation #5 OR <input type="checkbox"/> Pain Medicine Workshop (G) |
| Wednesday: <input type="checkbox"/> Written Board Preparation #3 OR <input type="checkbox"/> Emergency Airway Workshop (C) OR <input type="checkbox"/> Ultrasound for Central Line Workshop (D) | ONE-ON-ONE PRACTICE ORAL EXAMINATION <input type="checkbox"/> I would like to register. An Additional \$150 is enclosed. (You must attend the Oral Examination Strategy Seminar to register for this oral examination). |

Complete the information below if registering by mail or fax:

PLEASE PRINT

Last Name: _____ First Name: _____ MI: _____

Degree: _____ Institution: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone Number: _____ Fax Number: _____

Specialty: _____ Email Address: _____

Practice Type: 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

Card Number: _____ Expiration Date: _____

Signature: _____ 3 or 4 Digit Verification Number: _____

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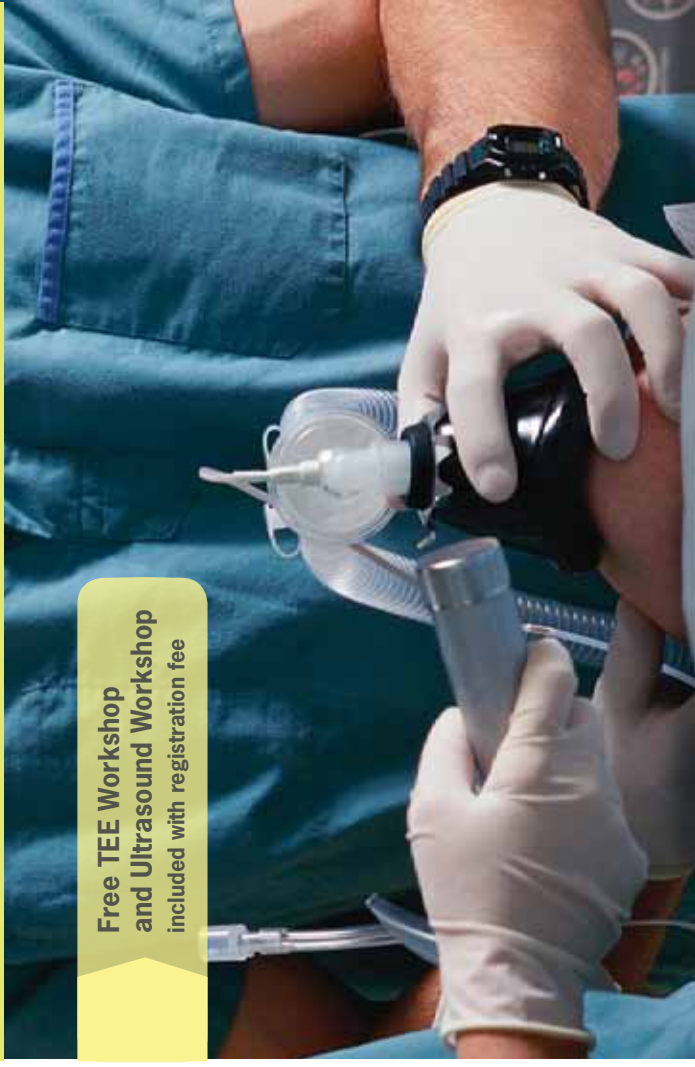
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