

Comprehensive Anesthesiology Review

March 15 – 20, 2010

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

Register Today www.ccfcmc.org/AnesReview10



**Free TEE Workshop
and Ultrasound Workshop
included with registration fee**

Course Directors:

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

Featuring:

- Interactive Audience Response System
- 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
- Intraosseous Vascular Access Workshop

Course Directors

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Professor of Anesthesiology
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Staff Anesthesiologist
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MARIEL MANLAPAZ, MD	LEE WALLACE, MD
THEODORE MARKS, MD, PhD	GEORGE YOUSSEF, 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 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. Registrants will be invited to attend evening "Written Board Sessions" during which written questions will be grouped by themes and presented, discussed, and answered. These sessions will be moderated by faculty who regularly organize and hold sessions for our residency program. Participants will also have the option of attending mock oral examination sessions. 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 will also be able to sign up for traditional mock oral examinations in a one-on-one private format that will include a debriefing session. TEE ultrasound regional anesthesia, emergency airway, vascular access and pain medicine workshops are included at no cost. Registration for these workshops may be limited and will be offered on a first-come, first-served basis.

An additional benefit of this course will be the enduring materials provided with registration to all participants. We will provide a syllabus that will be comprehensive and appropriate to a review course. The syllabus material will be available in a CD-ROM format. The final benefit will be access via password to a website that will contain unique materials to all registrants and "100 tips for Passing the Boards," created from the experiences of our large faculty. All of these additional materials, with the exception of the optional one-on-one practice oral examinations, are included in the basic registration fee.

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.

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 for cardiac, congenital, and noncardiac surgery
- 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

Comprehensive Anesthesiology Review Agenda (Times and topics are subject to change)

MONDAY, MARCH 15, 2010

7:00 am Registration/Continental Breakfast/
Exhibits
*Bank of America Conference Center –
3rd Floor Foyer*

7:45 am Welcome and Introduction

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

PRE-ANESTHESIA TESTING

AHA/ACC Guidelines for Cardiac Prep for

Noncardiac Surgery

Role of Beta Blockers and Statins in the
Perioperative Period

Current Guidelines for Pre-Surgical Lab Testing

Anesthetic Implications of Herbal Medications

AMBULATORY ANESTHESIA

Conscious Sedation

Anesthetic Implications of Obstructive

Sleep Apnea

Office-Based Anesthesia

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

Renal Preservation

OPTIONAL EVENING SESSIONS

6:00 - 7:30 pm

Written Board Preparation Session #1

Oral Exam Strategy Seminar (A)

TUESDAY, MARCH 16, 2010

7:00 am Continental Breakfast/Exhibits
*Bank of America Conference Center –
3rd Floor Foyer*

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

The Expanding Role of the LMA

ANESTHESIA FOR ENT SURGERY

Topical Anesthesia of the Airway

Use of Lasers for Airway Surgery

Adult Epiglottitis

Elective Jet Ventilation

ANESTHESIA AND COEXISTING DISEASE

Pulmonary Disease

Endocrine Disease

Neurological Disease

Diabetes Mellitus

ANESTHESIOLOGY AND

GASTROINTESTINAL DISEASE

Anesthesia and Liver Disease

Enteral and Parenteral Nutrition

Gastric Emptying, GERD, Reflux

Morbid Obesity

OPTIONAL EVENING SESSIONS

6:00 – 7:30 pm

Written Board Preparation Session #2

Ultrasound for Regional Anesthesia Workshop (B)

Intraosseous Vascular Access Workshop (C)

WEDNESDAY, MARCH 17, 2010

7:00 am Continental Breakfast/Exhibits
*Bank of America Conference Center –
3rd Floor Foyer*

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,

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

Hemoglobinopathies and Disorders of Coagulation

Intraoperative Assessment of Coagulation

Transfusion Reactions

Consequences of Massive Transfusion

OPTIONAL EVENING SESSION

6:00 – 7:30 pm

Written Board Preparation Session #3

Transesophageal Echo Workshop (D)

Pain Medicine Workshop (E)

THURSDAY, MARCH 18, 2010

7:00 am Continental Breakfast/Exhibits
*Bank of America Conference Center –
3rd Floor Foyer*

7:45 am – 6:00 pm (Lunch: 12:15 – 1:30 pm)

PAIN MEDICINE

Anatomy and Physiology of Nociception:

Opiates for Chronic Pain

Diagnosis and Treatment of Chronic Headache

and Trigeminal Neuralgia

Management of Cancer Pain

Complex Regional Pain Syndromes

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

POST-ANESTHESIA CARE UNIT

Anesthetic Issues in the PACU

Perioperative Cardiac Stress Testing

Post-Operative Nausea and Vomiting

Arrhythmia

OPTIONAL EVENING SESSIONS

6:00 - 7:30 pm

Written Board Preparation Session #4

Pain Medicine Workshop (F)

FRIDAY, MARCH 19, 2010

7:00 am Continental Breakfast/Exhibits
*Bank of America Conference Center –
3rd Floor Foyer*

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 Auto-Transfusion

OPTIONAL EVENING SESSIONS

6:00 - 7:30 pm

Written Board Preparation Session #5

Ultrasound for Regional Anesthesia Workshop (G)

Emergency Airway Workshop (H)

SATURDAY, MARCH 20, 2010

7:00 am Continental Breakfast/Exhibits
*Bank of America Conference Center –
3rd Floor Foyer*

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

NEUROANESTHESIA

Neurophysiology

Major Spine Surgery

Air Embolism and Positioning for Neurosurgery

Interventional Neuroradiology

UROLOGIC ANESTHESIA

Renal Physiology

Acute Renal Failure

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

Speakers will utilize the audience response system (ARS) during their presentation 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
Fax: 216-707-4101

Hotel Accommodations

A block of rooms has been reserved at The InterContinental Hotel for a special rate of \$169 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 14, 2010**. 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 **IB8**).

Ground Transportation

Taxi service is available from Cleveland Hopkins International Airport to the InterContinental Hotel and Bank of America Conference Center. As an alternative, take the rapid transit train from the airport to the Terminal Tower in downtown Cleveland and from there take a taxi to the InterContinental Hotel and Bank of America Conference Center.

Information

For further information about this course, contact UNITECH Communications® at:
Local: 216-448-0770
Toll Free: 800-238-6750

Web Address: www.ccfcmec.org/AnesReview10

For questions about registering online, call 216-448-0777.

For emergency phone calls during the course, call 216-707-4100 and ask for the Cleveland Clinic Registration Desk.

Registration and Cancellation

Pre-registrations are accepted by fax or online until 5:00 pm ET **March 10, 2010**. 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 20, 2009. After March 20, 2009, 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 APRIL 30, 2010.**

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.

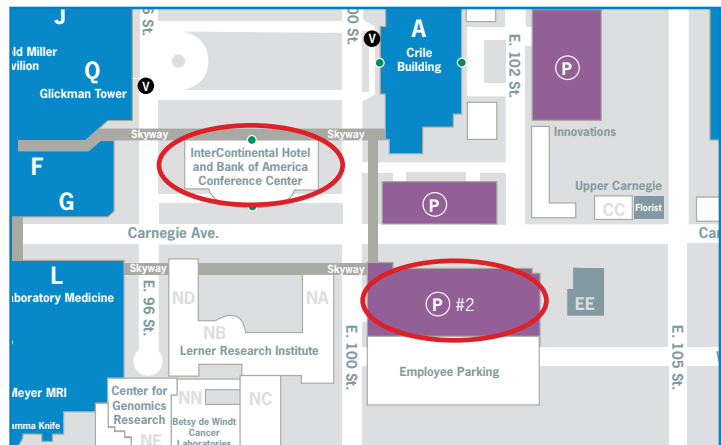
Approved by the American Association of Nurse Anesthetists for a maximum of 48 credits. Code Number 32302; expiration date March 20, 2010.

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 UNITECH Communications® at 216-448-0770 at least two weeks prior to the activity.



Registration Form

Comprehensive Anesthesiology Review 2010

March 15 – 20, 2010

Course Number • 011674
Office Use Only

Fee _____ Date _____
MOP _____ CXL/Fee _____

FEES

**Fee includes syllabus material (hard copy & 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 & CD Syllabus m 6 Days	Full Course CD Syllabus Only m 6 Days	Per Day (2 day Minimum) <i>(includes per day paper syllabus)</i>		
			m Monday m Thursday	m Tuesday m Friday	m Wednesday m Saturday
m Resident/Fellow**	\$745.00	\$695.00	\$175.00		
m Physician	\$845.00	\$795.00	\$195.00		
m CRNA	\$845.00	\$795.00	\$195.00		
m SNA (full time)**	\$745.00	\$695.00	\$175.00		

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

REGISTER ONLINE

www.ccfcm.org/AnesReview10

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 non-physicians) should register at the above web address.

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

Monday: m Written Board Preparation #1 OR m Oral Examination Seminar (A)	Thursday: m Written Board Preparation #4 OR m Pain Medicine Workshop (F)
Tuesday: m Written Board Preparation #2 OR m Ultrasound for Regional Anesthesia Workshop (B) OR m Intraosseous Vascular Access Workshop (C)	Friday: m Written Board Preparation #5 OR m Ultrasound for Regional Anesthesia Workshop (G) OR m Emergency Airway Workshop (H)
Wednesday: m Written Board Preparation #3 OR m Transesophageal Echo Workshop (D) OR m Pain Medicine Workshop (E)	

ONE-ON-ONE PRACTICE ORAL EXAMINATION

m I would like to register. An Additional \$150 is enclosed.

(You must attend the Mock Oral Examination Evening Workshop 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: _____

Total amount enclosed or to be charged \$ _____

Make check payable to: The Cleveland Clinic Educational Foundation

or charge the following account: m Visa m MasterCard m American Express m Discover

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

Local: 216-448-0770
Toll Free: 800-238-6750
For additional information, email: cmeregistration@ccf.org

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