

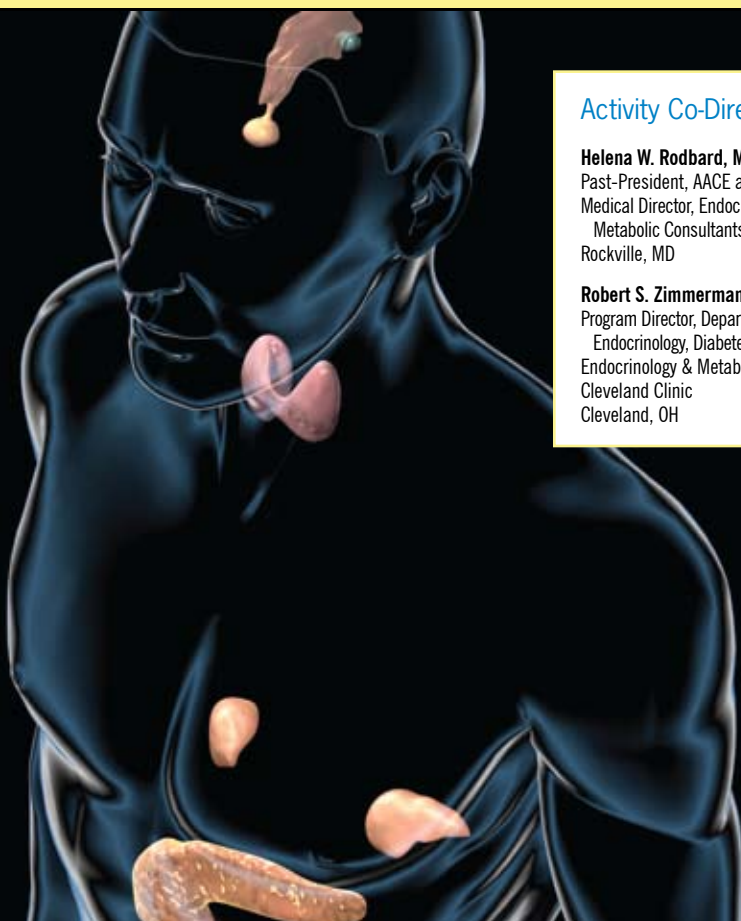


12th Annual

# Endocrinology & Metabolism Board Review 2009

October 2 – 4, 2009

InterContinental Hotel & Bank of America Conference Center  
Cleveland, Ohio



## Activity Co-Directors

**Helena W. Rodbard, MD, MACE**  
Past-President, AACE and ACE  
Medical Director, Endocrinology and  
Metabolic Consultants  
Rockville, MD

**Robert S. Zimmerman, MD, FACE**  
Program Director, Department of  
Endocrinology, Diabetes & Metabolism  
Endocrinology & Metabolism Institute  
Cleveland Clinic  
Cleveland, OH

## Overview

The goal of this educational activity is to provide participants with an intensive review of endocrinology and metabolism, which would also be helpful for certification.

Faculty members were selected for their clinical and teaching experience. The lecture format is heavily weighted to board simulation. An interactive Audience Response System will be employed to facilitate audience participation. A comprehensive syllabus will be provided.

## Target Audience

This course is directed to practicing endocrinologists and other physicians with an interest in endocrinology, metabolism, and diabetes.

## Learning Objectives

As a result of attending this Board Review, the participant will be able to do the following:

- Describe diabetes control and complications;
- Interpret tests to evaluate hypo- and hyperadrenalism and apply the results to endocrine hypertension;
- Analyze thyroid tests and apply results to thyroid disorders;
- Review evaluation and treatment of osteoporosis and calcium disorders;
- Appraise patients with hypogonadism and pituitary disorders;
- Diagnose important pediatric endocrine disorders;
- Evaluate endocrine disorders during pregnancy;
- Identify genetic disorders in endocrinology;
- Discuss the indications and consequences of new interventional therapeutic procedures;
- Undertake board simulation question and answers.

## Faculty

### Guest Faculty

**H. Bryan Brewer, Jr, MD**

Director of Lipoprotein & Artherosclerosis Research  
Cardiovascular Research Institute  
MedStar Research Institute  
Washington Hospital Center  
Washington, DC

**Col. Henry Burch, MD**

Chief, Endocrinology  
Walter Reed Memorial Hospital  
Washington, DC

**Hossein Gharib, MA, MACP, MACE**

President of American College of Endocrinology  
Professor, Mayo Clinic School of Medicine  
Rochester, MN

**Faramarz Ismail-Beigi, MD**

Professor of Medicine  
Case Western Reserve University  
Division of Clinical and Molecular Endocrinology  
University Hospitals of Cleveland  
Cleveland, OH

**Christian A. Koch, MD, FACP, FACE**

Division of Medicine  
University of Mississippi Medical Center  
Jackson, MS

**Michael Levine, MD, FACE**

Chairman, Division of Pediatrics  
Pediatrics Institute  
Philadelphia, PA

**Mark Molitch, MD**

Feinberg School of Medicine  
Northwestern University  
Chicago, IL

**Thomas Murphy, MD**

Director Endocrinology  
Metro Health Medical Center  
Cleveland, OH

**Harmeet Singh Narula, MD, FACP, FACE**

Suffolk Endocrinology  
Stoney Brook, NY

**Elias Siraj, MD, FACE**

Director, Clinical Endocrinology  
Program Director, Fellowship Program for  
Endocrinology, Diabetes and Metabolism  
Associate Professor of Medicine  
Temple University School of Medicine  
Philadelphia, PA

**Joseph G. Verbalis, MD**

Chief, Division of Endocrinology and Metabolism  
Professor, Department of Medicine  
Georgetown University Medical Center  
Washington, DC

**Farhad Zangeneh, MD, FACP, FACE**

Assistant Clinical Professor of Medicine  
George Washington University School  
of Medicine  
Medical Director  
Endocrine, Diabetes and Osteoporosis Clinic  
Sterling, VA

**Donald Zimmerman, MD, FACE**

Professor of Pediatrics  
Northwestern University  
Feinberg School of Medicine  
Chicago, IL

### Cleveland Clinic Faculty

**Marjan Attaran, MD**

Section of Reproduction Endocrinology  
and Fertility  
OB/GYN & Women's Health Institute

**Emmanuel Bravo, MD**

Department of Nephrology & Hypertension  
Glickman Urological & Kidney Institute

**Ajuah Davis, MD**

Section of Pediatric Endocrinology  
Pediatrics Institute

**Betul Hatipoglu, MD**

Department of Endocrinology, Diabetes  
& Metabolism  
Endocrinology & Metabolism Institute

**Laurence Kennedy, MD, FRCP**

Chairman, Department of Endocrinology,  
Diabetes & Metabolism  
Endocrinology & Metabolism Institute

**Douglas Rogers, MD**

Head, Section of Pediatric Endocrinology  
Pediatrics Institute

**Allan Siperstein, MD**

Head, Endocrine Surgery  
Department of General Surgery  
Surgery Institute

**Holly Thacker, MD**

OB/GYN & Women's Health Institute

### Organized By

**Department of Endocrinology,  
Diabetes & Metabolism, Cleveland Clinic****Charles Faiman, MD, MACE****Manjula Gupta, PhD****Amir Hamrahian, MD, FACE****Sangeeta Kashyap, MD****Angelo Licata, MD, PhD****Adi Mehta, MD****Christian Nasr, MD, FACE****Leann Olansky, MD, FACE****Mario Skugor, MD****Mariam Stevens, MD**

### Endocrinology Board Review Committee (2009 – 2010)

**Helena W. Rodbard, MD, FACP, MACE,  
Co-Chair****Robert Zimmerman, MD, FACE,  
Co-Chair****Joe M. Chehade, MD****Hossein Gharib, MD, MACP, MACE****Michael Kleerekoper, MD, MACE****Christian A. Koch, MD, FACP, FACE****Harmeet Singh Narula, MD, FACP, FACE****Naomi Neufeld, MD, FACE****S. Sethu Reddy, MD, MACE****Subhashini Yaturu, MD, FACE****Farhad Zangeneh, MD, FACP, FACE**

# Agenda | October 2 – 4, 2009

## Friday, October 2, 2009

**7:00 AM**     **Registration/Continental Breakfast/Exhibits**

**7:55 AM**     **Welcome**  
*Helena W. Rodbard, MD*  
*Robert S. Zimmerman, MD*

### **SESSION 1: Laurence Kennedy, MD, Presiding**

**8:00 AM**     **Board Simulation in Pediatric Endocrinology**  
*Donald Zimmerman, MD*

**8:45 AM**     **Female Hypogonadism**  
*Marjan Attaran, MD*

**9:30 AM**     **Hirsutism**  
*Adi Mehta, MD*

**10:10 AM**    **Refreshments and Exhibits**

**10:30 AM**    **Male Hypogonadism and Infertility**  
*Charles Faiman, MD*

**11:15 AM**    **Dyslipidemia: Diagnostic Question & Answer Period**  
*H. Bryan Brewer, Jr., MD*

**12:00 PM**    **Luncheon and Exhibits**

### **SESSION 2: Betul Hatipoglu, MD, Presiding**

**1:15 PM**     **Preventive Endo-Cardiology Highlights**  
*Faramarz Ismail-Beigi, MD*

**2:00 PM**     **Adrenal Dysfunction**  
*Thomas Murphy, MD*

**3:00 PM**     **Refreshments and Exhibits**

**3:30 PM**     **Diabetes Therapeutics: From New Insulins to Incretins**  
*Robert Zimmerman, MD*

**4:15 PM**     **Case Management Studies in Endocrine Surgery**  
*Allan Siperstein, MD*

**5:00 PM**     **Visual Journey of Endocrinology: Preparation for the Boards**  
*Farhad Zangeneh, MD*

**6:00 PM**     **Welcome Reception and Exhibits**

**7:00 PM**     **OPTIONAL Workshop: Pediatric Endocrinology Case Reviews**  
*Douglas Rogers, MD; Ajuah Davis, MD*

**8:15 PM**     **Adjourn**

## Saturday, October 3, 2009

**7:00 AM**     **Continental Breakfast / Exhibits**

### **SESSION 3: Harmeet Singh Narula, MD, Presiding**

**7:30 AM**     **Metabolic Bone Disease: Board Simulation**  
*Mario Skugor, MD*

**8:15 AM**     **Osteoporosis and Vitamin D Deficiency**  
*Angelo Licata, MD*

**9:00 AM**     **Hyper and Hypo Calcemia**  
*Michael Levine, MD*

**9:45 AM**     **Refreshments and Exhibits**

**10:00 AM**    **Endocrine Hypertension**  
*Emmanuel Bravo, MD*

**11:00 AM**    **Pituitary Disorders**  
*Mark Molitch, MD*

**12:00 PM**    **Luncheon and Exhibits**

### **SESSION 4: Christian A. Koch, MD, Presiding**

**1:00 PM**     **Thyroid Cancer**  
*Hossein Gharib, MD*

**2:00 PM**     **Thyroid Board Simulation**  
*Henry Burch, MD*

**2:45 PM**     **DI/SIADH**  
*Joseph Verbalis, MD*

**3:30 PM**     **Refreshments and Exhibits**

**3:45 PM**     **Considerations in Women's Health**  
*Holly Thacker, MD*

**4:45 PM**     **Endocrinology Highlights: 2008 - 2009 Who Wants to Be an Endocrine Millionaire? Faculty vs. Fellows**  
*S. Sethu K. Reddy, MD*

**5:30 PM**     **Adjourn**

## Sunday, October 4, 2009

### **SESSION 5: Marwan Hamaty, MD, Presiding**

**7:30 AM**     **Board Simulation: Potpourri**  
*Christian Nasr, MD; Elias Siraj, MD*

**8:15 AM**     **Genetics and Endocrinology**  
*Sethu K. Reddy, MD*

**9:00 AM**     **Obesity – Advances in Concepts and Therapies**  
*Sangeeta Kashyap, MD*

**10:00 AM**    **Brunch**

**10:45 AM**    **Laboratory Cases: Curves and Sinkers**  
*Manjula Gupta, PhD*

**11:30 AM**    **Board Simulation: Pituitary/Adrenal**  
*Amir Hamrahian, MD*

**12:30 PM**    **Preventing Diabetes Complications & Intensive Therapy Board Simulation**  
*Leann Olansky, MD*

**1:15 PM**     **Vote of Thanks and Adjournment**  
*Robert Zimmerman, MD*

## 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 until August 28, 2009. To make your reservations, please contact the hotel Reservations Department at 216-707-4100 or 1-877-707-8999. Please identify yourself as being with the **Cleveland Clinic Endocrinology & Metabolism Board Review 2009, (online code CN5)** for a special rate of \$175 single/double plus tax. The hotel and conference center is located on the campus of The Cleveland Clinic.

### 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.ccfme.com/endoreview09](http://www.ccfme.com/endoreview09)

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

### 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

Pre-registrations are accepted by fax or online until **4:00 pm ET September 29, 2009**. To register after this date you must do so on-site. In case of cancellation, a full refund will be made if canceled by September 16, 2009. After September 16, 2009, a \$50 cancellation fee will be deducted from your refund. Written notification of your cancellation is required in order to process your refund. **NO REFUNDS WILL BE ISSUED AFTER OCTOBER 31, 2009.**

### Accreditation

The Cleveland Clinic Foundation Center for Continuing Education (the Center) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians and has a strict policy to govern control of its accredited activities.

This activity is being planned and implemented by the Activity Directors, with oversight from the Center, to ensure compliance with the Essential Areas and Policies of the ACCME. Invited faculty must disclose all financial relationships that may be perceived as a potential conflict of interest before being confirmed for the activity.

The Cleveland Clinic Foundation Center for Continuing Education has certified this educational activity for 21.75 AMA PRA Category 1 Credits™.

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.

### 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.

### 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.

# Registration Form

## 12th Annual Endocrinology & Metabolism Board Review

October 2 – 4, 2009

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

Course 011622 • Office Use Only

Fee \_\_\_\_\_ Date \_\_\_\_\_

MOP \_\_\_\_\_ CXL/Fee \_\_\_\_\_

Fees		Before October 2, 2009	Onsite
<input type="checkbox"/>	Physician	\$599.00	\$674.00
<input type="checkbox"/>	AACE Member	\$499.00	\$574.00
<input type="checkbox"/>	Comprecare Affiliate Member (ID# _____)	\$389.35	\$464.35
<input type="checkbox"/>	Resident/Fellow*	\$150.00	\$225.00
<input type="checkbox"/>	Nurse/ Non-Physician	\$425.00	\$500.00

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

**Fee includes:** Syllabus, continental breakfasts, brunch, two lunches, refreshment breaks, and Friday welcome reception.

### Register Online

[www.ccfcmec.org/endoreview09](http://www.ccfcmec.org/endoreview09)

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 online at the above web address.**

### Complete the information below if registering by mail or fax

**PLEASE PRINT**

Last Name:	First Name:	MI:
Degree/Title:		
Organization Name:		
Address:		
City:	State:	Zip:
Phone Number:	Fax Number:	
Specialty:	Email Address:	

I will attend the Friday, October 2, 2009, Welcome Reception

I require vegetarian meals

Total Amount enclosed to be charged  
\$ \_\_\_\_\_

### Mail

**Charge to the following account:**  Visa  MasterCard  American Express  Discover

Card Number:	Expiration Date:
Signature:	3 or 4 Digit Verification Number:

**Not valid without signature.**

**Fax Number:** 216-448-0783

**Make check payable to:** The Cleveland Clinic Educational Foundation

**Mailing Address:** The Cleveland Clinic Educational Foundation  
PO Box 931653  
Cleveland, OH 44193-1082

**For additional information, email:** [cmeregistration@ccf.org](mailto:cmeregistration@ccf.org)

 **Cleveland Clinic**  
The Cleveland Clinic Foundation  
Center for Continuing Education  
9500 Euclid Avenue, AC313  
Cleveland, OH 44195

NON-PROFIT ORG.  
U.S. Postage Paid  
Cleveland, OH  
Permit No. 1918

12th Annual  
**Endocrinology & Metabolism  
Board Review 2009**

Register Today! [www.ccfcmc.org/endoreview09](http://www.ccfcmc.org/endoreview09)

**October 2 – 4, 2009**

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

  
Cleveland Clinic  
Over 75 Years of Excellence in  
CONTINUING MEDICAL EDUCATION