

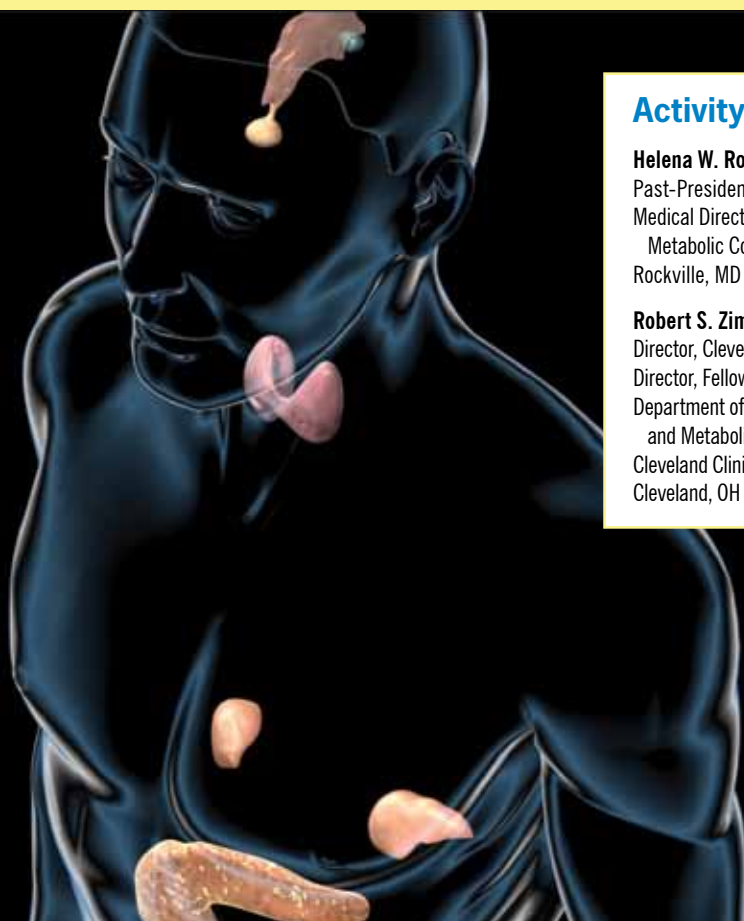


13th Annual

# Endocrinology & Metabolism Board Review 2010

October 15 – 17, 2010

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**  
Director, Cleveland Clinic Diabetes Center  
Director, Fellowship Program  
Department of Endocrinology, Diabetes  
and Metabolism  
Cleveland Clinic  
Cleveland, OH

# 13th Annual Endocrinology & Metabolism Board Review 2010

## Course Overview

The Cleveland Clinic Center for Continuing Education and the Endocrinology and Metabolism Institute presents the **13th Annual Endocrinology & Metabolism Board Review 2010**. The educational activity will provide participants with an intensive review of endocrinology and metabolism that is also helpful as preparation for the endocrine board certification examination.

## Target Audience

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;
- Simulate board certification questions and answers.

## Activity Co-Directors

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Past-President, AACE and ACE  
Medical Director, Endocrinology and Metabolic Consultants  
Rockville, MD

### Robert S. Zimmerman, MD, FACE

Director, Cleveland Clinic Diabetes Center  
Program Director, Fellowship Program  
Department of Endocrinology, Diabetes and Metabolism  
Cleveland Clinic  
Cleveland, OH

## Guest Faculty

### H. Bryan Brewer, Jr, MD

Director, Washington Cardiovascular Associates  
Senior Research Consultant  
Lipoprotein and Atherosclerosis Research  
Cardiovascular Research Institute  
Washington Hospital Center  
Washington, DC

### Col. Henry Burch, MD

Chief, Endocrinology  
Walter Reed Memorial Hospital  
Washington, DC

### Hossein Gharib, MD, MACP, MACE

Past President, AACE & ACE  
Professor, Mayo Clinic College of Medicine  
Rochester, MN

### Michael A. Levine, MD, FAAP, FACP, FACE

Chief, Division of Endocrinology and Diabetes  
The Children's Hospital of Philadelphia  
Professor of Pediatrics and Medicine  
University of Pennsylvania School of Medicine  
Philadelphia, PA

### Mark Molitch, MD

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

### Thomas Murphy, MD

Director, Endocrinology  
Metro Health Medical Center  
Associate Professor of Medicine  
Case Western Reserve University  
Cleveland, OH

### Peter A. Singer, MD

Professor of Clinical Medicine  
Chief, Clinical Endocrinology  
Keck School of Medicine  
University of Southern California

### Harmeet Singh Narula, MD, FACP, FACE

Stony Brook University Hospital  
Stony Brook, NY

### Joseph 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  
Head, Division of Endocrinology  
Feinberg School of Medicine  
Northwestern University  
Children's Memorial Hospital  
Chicago, IL

## Cleveland Clinic Faculty

### **Marjan Attaran, MD**

Section Head of Pediatric and Adolescent  
Gynecology  
Obstetrics/Gynecology and Women's  
Health Institute

### **Emmanuel Bravo, MD**

Department of Nephrology and Hypertension  
Glickman Urological and Kidney Institute

### **Charles Faiman, MD, MACE**

Department of Endocrinology, Diabetes  
and Metabolism  
Endocrinology and Metabolism Institute

### **Manjula Gupta, PhD**

Medical Director of the Endocrine, Immunology  
and Cancer Markers Laboratory  
Pathology and Laboratory Medicine Institute

### **Anzar Haider, MD**

Co-Director of the Pediatric Endocrine  
Fellowship Program  
Pediatric Institute

### **Marwan Hamaty, MD**

Department of Endocrinology, Diabetes  
and Metabolism  
Endocrinology and Metabolism Institute

### **Amir Hamrahian, MD, FACE**

Department of Endocrinology, Diabetes  
and Metabolism  
Endocrinology and Metabolism Institute

### **Betul Hatipoglu, MD**

Department of Endocrinology, Diabetes  
and Metabolism  
Endocrinology and Metabolism Institute

### **Sangeeta Kashyap, MD**

Department of Endocrinology, Diabetes  
and Metabolism  
Endocrinology and Metabolism Institute

### **Laurence Kennedy, MD, FRCP**

Department Chair  
Department of Endocrinology, Diabetes  
and Metabolism  
Endocrinology and Metabolism Institute

### **Angelo Licata, MD, PhD**

Department of Endocrinology, Diabetes  
and Metabolism  
Endocrinology and Metabolism Institute

### **Adi Mehta, MD**

Department of Endocrinology, Diabetes  
and Metabolism  
Endocrinology and Metabolism Institute

### **Christian Nasr, MD, FACE**

Department of Endocrinology, Diabetes  
and Metabolism  
Endocrinology and Metabolism Institute

### **Leann Olansky, MD, FACE**

Department of Endocrinology, Diabetes  
and Metabolism  
Endocrinology and Metabolism Institute

### **S. Sethu K. Reddy, MD**

Department of Endocrinology, Diabetes  
and Metabolism  
Endocrinology and Metabolism Institute

### **Douglas Rogers, MD**

Section Head, Pediatric and  
Adolescent Endocrinology  
Pediatric Institute

### **James Simon, MD**

Department of Nephrology and Hypertension  
Glickman Urological and Kidney Institute

### **Allan Siperstein, MD**

Department Chair, Center for Endocrine Surgery  
Surgery Institute

### **Mario Skugor, MD**

Department of Endocrinology, Diabetes  
and Metabolism  
Endocrinology and Metabolism Institute

### **Holly Thacker, MD**

Director, Center for Specialized Women's Health  
Obstetrics/Gynecology and Women's  
Health Institute

## Organized by Cleveland Clinic Department of Endocrinology, Diabetes and Metabolism

**Manjula Gupta, PhD**

**Amir Hamrahian, MD, FACE**

**Betul Hatipoglu, MD**

**Sangeeta Kashyap, MD**

**Laurence Kennedy, MD, FRCP**

**Angelo Licata, MD, PhD**

**Adi Mehta, MD**

**Christian Nasr, MD, FACE**

**Leann Olansky, MD, FACE**

**Mario Skugor, MD**

## AACE Endocrinology Annual Board Review Course Committee (2010 – 2011)

**Robert S. Zimmerman, MD, FACE**

*Co-Chairman*

**Peter A. Singer, MD, FACE**

*Co-Chairman*

**Robert Cuddihy, MD, FACE**

**Hossein Gharib, MD, MACP, MACE**

**Amir Hamrahian, MD, FACE**

**Betul Hatipoglu, MD**

**Faramarz Ismail-Beigii, MD, PhD**

**Harmeet S. Narula, MD, FACP, FACE**

**S. Sethu K. Reddy, MD, MBA, FACP, MACE**

**Mae Sheikh-Ali, MD**

**Mario Skugor, MD, FACE**

**Farhad Zangeneh, MD**

## Friday, October 15, 2010

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

**7:55 am Welcome**

*Helena W. Rodbard, MD*

*Robert S. Zimmerman, MD*

### SESSION 1

**Moderator: Helena W. Rodbard, MD, MACE**

**8:00 am Male Hypogonadism and Infertility**

*Charles Faiman, 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 Osteoporosis and Vitamin D Deficiency**

*Angelo Licata, MD, PhD*

**11:15 am Hyper and Hypocalcemia**

*Michael Levine, MD*

**12:00 pm Luncheon and Exhibits**

### SESSION 2

**Moderator: Sangeeta Kashyap, MD**

**1:00 pm Dyslipidemia: Diagnostic Question & Answer Period**

*H. Bryan Brewer, Jr, MD*

**1:45 pm Adrenal Dysfunction**

*Thomas Murphy, MD*

**2:45 pm Refreshments and Exhibits**

**3:15 pm Diabetes Therapeutics: From New Insulins to Incretins**

*Robert Zimmerman, MD*

**4:00 pm Case Management Studies in Endocrine Surgery**

*Allan Siperstein, MD*

**4:45 pm Kidney Stones**

*James Simon, MD*

**5:30 pm Visual Journey of Endocrinology: Preparation for the Boards**

*Farhad Zangeneh, MD*

**6:15 pm Welcome Reception and Exhibits**

**7:15 pm Pediatric Endocrinology Case Reviews**

*Douglas Rogers, MD*

*Anzar Haider, MD*

**8:30 pm Adjourn**



## Saturday, October 16, 2010

7:00 am Continental Breakfast/Exhibits

### SESSION 3

Moderator: *Peter A. Singer, MD*

7:30 am **Board Simulation in Pediatric Endocrinology**  
*Donald Zimmerman, MD*

8:15 am **Metabolic Bone Disease: Board Simulation**  
*Mario Skugor, MD*

9:00 am **Preventive Endo-Cardiology Highlights**  
*Betul Hatipoglu, 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

Moderator: *Harmeet Singh Narula, MD, FACE*

1:00 pm **Thyroid Nodules and Cancer**  
*Hossein Gharib, MD*

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

3:00 pm **DI/SIADH**  
*Joseph Verbalis, MD*

4:00 pm **Refreshments and Exhibits**

4:15 pm **Considerations in Women's Health**  
*Holly Thacker, MD*

5:00 pm **Endocrinology Highlights – 2008-2009**  
**Who Wants to be an Endocrine Millionaire?**  
**Faculty vs. Fellows**  
*Sethu Reddy, MD*

5:45 pm **Adjourn**

## Sunday, October 17, 2010

### SESSION 5

Moderator: *Marwan Hamaty, MD*

7:30 am **Board Simulation: Potpourri**  
*Christian Nasr, MD*

8:15 am **Genetics and Endocrinology**  
*Sethu Reddy, MD*

9:00 am **Board Simulation: Pituitary/Adrenal**  
*Amir Hamrahian, MD*

10:00 am **Brunch**

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

11:30 am **Endocrinology and Pregnancy**  
*Laurence Kennedy, MD*

12:30 pm **Preventing Diabetes Complications and Intensive Therapy:**  
**Board Simulation**  
*Leann Olansky, MD*

1:15 pm **Adjourn**  
*Robert S. Zimmerman, MD*

# Registration Form

## 13th Annual Endocrinology & Metabolism Board Review 2010

Course 011686 • Office Use Only

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

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

**October 15-17, 2010**

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

### Fees

Fee includes syllabus, continental breakfasts, two lunches, Sunday brunch, refreshment breaks and Friday welcome reception.

	On or Before October 14, 2010	Onsite
<input type="checkbox"/> Physician	\$599	\$649
<input type="checkbox"/> AACE Member	\$550	\$600
<input type="checkbox"/> Resident/Fellow*	\$199	\$249
<input type="checkbox"/> Nurse/Non-Physician	\$425	\$475

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

### Register Online

[www.ccfcmef.org/endoreview10](http://www.ccfcmef.org/endoreview10)

**ONCE YOU REGISTER ONLINE, PLEASE DO NOT FAX A REGISTRATION FORM.**  
CCF main campus, family health centers, and CCHS community hospital employees (physicians and non-physicians) please 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: \_\_\_\_\_ Specialty: \_\_\_\_\_

Office/Institution: \_\_\_\_\_

Preferred Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email Address: \_\_\_\_\_

Practice Type:  Office-Based  Hospital Staff  Resident/Fellow  Other

I require vegetarian meals

**Total amount enclosed to be charged: \$ \_\_\_\_\_**

**MAKE CHECK PAYABLE TO: The Cleveland Clinic Educational Foundation  
OR CHARGE TO THE FOLLOWING ACCOUNT:**

Visa  MasterCard  American Express  Discover

Card Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

3 or 4 Digit Verification Number: \_\_\_\_\_

Signature: \_\_\_\_\_

*not valid without signature*

**Fax Number:** 216.448.0783

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

**For questions about registering, call 216.448.0777 or email [cmeregistration@ccf.org](mailto:cmeregistration@ccf.org)**

## 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 Suite Hotel until **September 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 Endocrinology Board Review**.

Special rates are listed below:

- InterContinental Conference Hotel, \$169 single/double plus tax (online code IT6)
- InterContinental Suite Hotel, \$149 single/double plus tax (online code B96)

The InterContinental Conference Hotel is located at 9801 Carnegie Avenue, on the campus of The Cleveland Clinic. The Suite 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 hotel.

### Information

For additional 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/endoreview10](http://www.ccfme.org/endoreview10)**

For questions about registering, call 216.448.0777, or email [cmeregistration@ccf.org](mailto:cmeregistration@ccf.org)

### Parking

Parking is available in the East 100th Street Visitor's Parking Garage at prevailing rates. Valet parking is available at the hotel for an additional charge.

### Registration and Cancellation

Preregistrations are accepted by until **4:00 pm ET October 13, 2010**. To register after this date, please do so onsite. In case of cancellation, a full refund will be made if canceled by October 5, 2010. After October 5, 2010, a \$100 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, 2010.**

### 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 23.5 *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 23.5 *AMA PRA Category 1 Credits™* will be accepted for nursing credits.

### 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 Center for Continuing Education 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.





**Cleveland Clinic**

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

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