

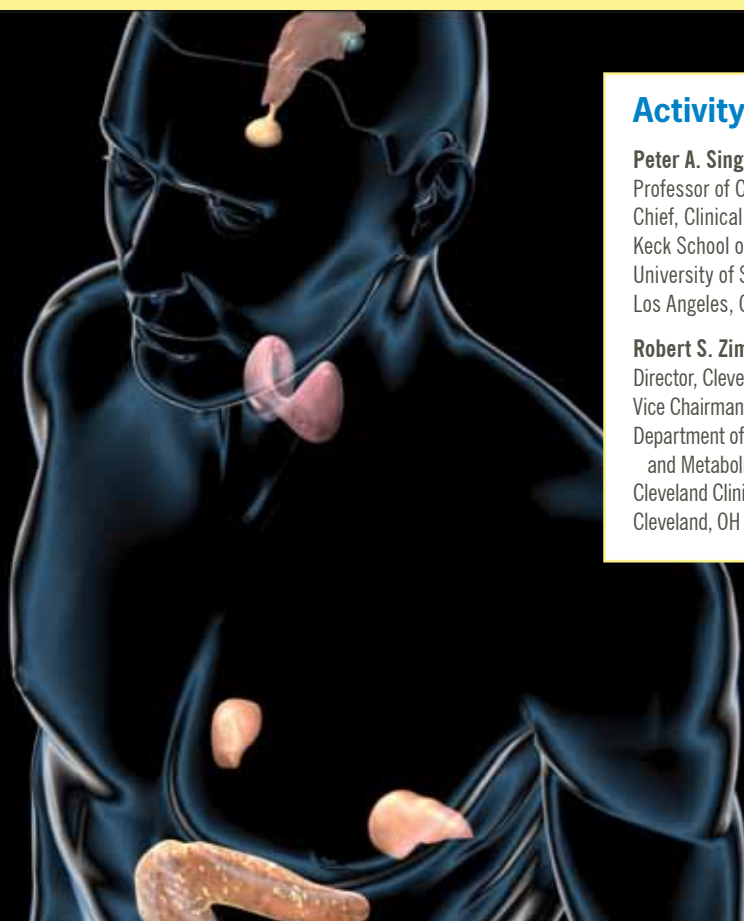


14th Annual

# Endocrinology & Metabolism Board Review 2011

September 9 – 11, 2011

InterContinental Hotel and Bank of America Conference Center  
Cleveland, Ohio



## Activity CoDirectors

**Peter A. Singer, MD, FACE**  
Professor of Clinical Medicine  
Chief, Clinical Endocrinology  
Keck School of Medicine  
University of Southern California  
Los Angeles, CA

**Robert S. Zimmerman, MD, FACE**  
Director, Cleveland Clinic Diabetes Center  
Vice Chairman Endocrinology  
Department of Endocrinology, Diabetes  
and Metabolism  
Cleveland Clinic  
Cleveland, OH

## COURSE OVERVIEW

The Cleveland Clinic Center for Continuing Education and the Endocrinology and Metabolism Institute presents the **14th Annual Endocrinology & Metabolism Board Review 2011**. This 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

After completing this educational activity, 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 disorder management;
- 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 CODIRECTORS

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Vice Chairman Endocrinology  
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

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Chief, Thyroid Section  
Walter Reed National Military Medical Center  
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Endocrinology Division  
Uniformed Services University of the Health Sciences  
Washington, DC

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

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

Chief, Division of Endocrinology and Diabetes  
The Children's Hospital of Philadelphia  
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### **Mark Molitch, MD**

Professor of Medicine  
Division of Endocrinology, Metabolism and  
Molecular Medicine  
Feinberg School of Medicine  
Northwestern University  
Chicago, IL

### **Thomas Murphy, MD**

Director, Division of Endocrinology  
MetroHealth Medical Center  
Associate Professor of Medicine  
Case Western Reserve University School of Medicine  
Cleveland, OH

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

Assistant Professor of Medicine  
Division of Endocrinology  
Department of Medicine  
Stony Brook University Hospital  
Stony Brook, NY

### **Joseph Verbalis, MD**

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

### **William F. Young, Jr, MD, MSc**

Professor of Medicine  
Mayo Clinic College of Medicine  
Tyson Family Endocrinology Clinical Professor  
Vice-Chair  
Division of Endocrinology, Diabetes, Metabolism,  
Nutrition and Internal Medicine  
Mayo Clinic  
Rochester, MN

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

AACE Board of Directors  
Consultant in Endocrinology/Medical Director  
Endocrine, Diabetes and Osteoporosis  
Clinic (EDOC)  
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  
Pediatric and Adolescent Gynecology  
Obstetrics/Gynecology and Women's Health Institute

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

Department of Endocrinology, Diabetes  
and Metabolism  
Endocrinology and Metabolism Institute

### **Manjula Gupta, PhD**

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

### **Anzar Haider, MD**

Codirector  
Pediatric Endocrine Fellowship Program  
Pediatric Institute

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Department of Nephrology/Hypertension  
Glickman Urological and Kidney Institute

### **Marwan Hamaty, MD**

Department of Endocrinology, Diabetes  
and Metabolism  
Endocrinology and Metabolism Institute

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

Department of Endocrinology, Diabetes  
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Endocrinology and Metabolism Institute

### **Betul Hatipoğlu, 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**

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

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

Department of Endocrinology, Diabetes  
and Metabolism  
Endocrinology and Metabolism Institute

### **Melissa Li-Ng, MD**

Department of Endocrinology, Diabetes  
and Metabolism  
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### **Adi Mehta, MD**

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

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Endocrinology and Metabolism Institute

### **Douglas Rogers, MD**

Section Head, Pediatric and  
Adolescent Endocrinology  
Pediatric Institute

### **Allan Siperstein, MD**

Chair, Center for Endocrine Surgery  
Endocrinology and Metabolism 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 Hatipoğlu, 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**

**Mariam Stevens, MD**

## **AACE Endocrinology Annual Board Review Course Committee (2011 – 2012)**

**Robert S. Zimmerman, MD, FACE**  
Co-Chair

**Peter A. Singer, MD, FACE**  
Co-Chair

**Robert M. Cuddihy, MD, FACE**

**Amir Hamrahian, MD, FACE**

**Betul Hatipoğlu, MD**

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

**Angelo A. Licata, MD, PhD, FACP, FACE**

**Paul D. Rosenblit, MD, PhD, FACE, FNLA**

**Mario Skugor, MD, FACE**

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

## Friday, September 9, 2011

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

7:55 am **Welcome**  
*Peter Singer, MD*  
*Robert Zimmerman, MD*

### SESSION 1

**Moderator: Peter Singer, MD**

8:00 am **Thyroid Nodules and Cancer**  
*Hossein Gharib, MD*

9:00 am **Thyroid Board Simulation**  
*Henry Burch, MD*

10:00 am **Hyperthyroidism and Hypothyroidism**  
*Peter Singer, MD*

10:40 am **Refreshments and Exhibits**

11:00 am **Endocrinology and Pregnancy**  
*Laurence Kennedy, MD*

11:45 am **Laboratory Cases: Curves and Sinkers**  
*Manjula Gupta, PhD*

12:15 pm **Lunch and Exhibits**

### SESSION 2

**Moderator: Melissa Li-Ng, MD**

1:10 pm **Board Simulation: Potpourri**  
*Christian Nasr, MD*

2:10 pm **Adrenal Dysfunction**  
*Thomas Murphy, MD*

3:10 pm **Refreshments and Exhibits**

3:35 pm **Board Simulation in Pediatric Endocrinology**  
*Donald Zimmerman, MD*

4:20 pm **Case Management Studies in Endocrine Surgery**  
*Allan Siperstein, MD*

4:50 pm **Kidney Stones**  
*Phillip Hall, MD*

5:20 pm **Visual Journey of Endocrinology: Preparation for the Boards**  
*Farhad Zangeneh, MD*

6:05 pm **Reception and Exhibits**

7:00 pm **Pediatric Endocrinology: Case Reviews Workshop**  
*Anzar Haider, MD*  
*Douglas Rogers, MD*

8:15 pm **Adjourn**



## Saturday, September 10, 2011

7:00 am Continental Breakfast/Exhibits

### SESSION 3

Moderator: **Sangeeta Kashyap, MD**

7:30 am **Male Hypogonadism and Infertility**  
*Charles Faiman, MD*

8:15 am **Female Hypogonadism**  
*Marjan Attaran, MD*

9:00 am **Hirsutism**  
*Adi Mehta, MD*

9:35 am Refreshments and Exhibits

9:50 am **Diabetes Therapeutics: From New Insulins to Incretins**  
*Robert Zimmerman, MD*

10:35 am **DI and SIADH**  
*Joseph Verbalis, MD*

11:20 am **Preventive Endocardiology Highlights**  
*Betul Hatipoğlu, MD*

12:05 pm **Preventing Diabetes Complications and Intensive Therapy: Board Simulation**  
*Leann Olansky, MD*

12:45 pm Lunch and Exhibits

### SESSION 4

Moderator: **Harmeet Singh Narula, MD**

1:25 pm **Metabolic Bone Disease: Board Simulation**  
*Mario Skugor, MD*

2:10 pm **Osteoporosis and Vitamin D Deficiency**  
*Angelo Licata, MD, PhD*

2:55 pm **Hyper and Hypo Calcemia**  
*Michael Levine, MD*

3:45 pm Refreshments and Exhibits

4:00 pm **Considerations in Women's Health**  
*Holly Thacker, MD*

4:45 pm **Endocrinology Highlights – 2010-2011  
Who Wants to be an Endocrine Millionaire?  
Faculty vs. Fellows**  
*Sethu Reddy, MD*

5:30 pm Adjourn

## Sunday, September 11, 2011

### SESSION 5

Moderator: **Marwan Hamaty, MD**

7:30 am **Endocrine Hypertension**  
*William Young, MD*

8:30 am **Genetics and Endocrinology**  
*Sethu Reddy, MD*

9:25 am **Dyslipidemia: Diagnostic Question and Answer**  
*H. Bryan Brewer, Jr, MD*

10:25 am Brunch

11:15 am **Pituitary Disorders**  
*Mark Molitch, MD*

12:15 pm **Board Simulation: Pituitary/Adrenal**  
*Amir Hamrahian, MD*

1:15 pm Adjourn

# Registration Form

## 14th Annual Endocrinology & Metabolism Board Review 2011

Course 011765 • Office Use Only

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

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

**September 9 – 11, 2011**

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### Fees

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

		On or before July 15, 2011	After July 15, 2011
<input type="checkbox"/>	Physician	\$599	\$649
<input type="checkbox"/>	AACE Member	\$550	\$600
<input type="checkbox"/>	Resident/Fellow*	\$199	\$249
<input type="checkbox"/>	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.ccfcmecme.org/EndoReview11](http://www.ccfcmecme.org/EndoReview11)

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

### 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:	
Practice Type: <input type="checkbox"/> Office-Based <input type="checkbox"/> Hospital Staff <input type="checkbox"/> Resident/Fellow <input type="checkbox"/> Other		
<input type="checkbox"/> I require vegetarian meals		
<input type="checkbox"/> I will attend the Friday evening reception		
<input type="checkbox"/> I will attend the Sunday brunch		

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

**MAKE CHECK PAYABLE TO: The Cleveland Clinic Education Foundation**

**Or charge to the following account:**

(purchase orders not accepted)

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 **5:00 pm ET August 8, 2011**. 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 Endocrinology Board Review**.

Special rates are listed below:

- InterContinental Conference Hotel, \$175 single/double plus tax (**online code RBV**)
- InterContinental Suite Hotel, \$149 single/double plus tax (**online code C52**)

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/EndoReview11](http://www.ccfme.org/EndoReview11)**

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 until **9:00 am ET September 8, 2011**. To register after this date, please do so onsite. In case of cancellation, a full refund will be made if canceled by August 29, 2011. After August 29, 2011, 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, 2011.**

### 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 23.5 *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 23.25 *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 us 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  
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