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

Register Today!  www.ccfcme.org/endoreview09
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 hyperadrenalinism 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
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

Marjan Attaran, MD
Section of Reproduction Endocrinology and Fertility
OB/GYN & Women’s Health Institute

Emmanuel Bravo, MD
Department of Nephropathy & 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

Naomi Neufeld, MD, FACE

Helena W. Rodbard, MD, FACP, MACE, Co-Chair
Robert Zimmerman, MD, FACE, Co-Chair

Elias Siraj, MD, FACE

Christian A. Koch, MD, FACP, FACE

Harmeet Singh Narula, MD, FACP, FACE

Naomi Neufeld, MD, FACE

Subhashini Yaturu, MD, FACE

Farhad Zangeneh, MD, FACP, FACE

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 Nase, MD, FACE
Leann Olansey, MD, FACE
Mario Skugor, MD
Marian Stevens, MD

Endocrinology Board Review Committee (2009 – 2010)

Joe M. Chehade, MD

Hossein Gharib, MD, MACP, MACE
Michael Kuerekopre, MD, MACE
Christian A. Koch, MD, FACP, FACE
Harmeet Singh Narula, MD, FACP, FACE

S. Sethu Reddy, MD, MACE
Subhashini Yaturu, MD, FACE
Farhad Zangeneh, MD, FACP, FACE
**Friday, October 2, 2009**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 AM</td>
<td>Registration/Continental Breakfast/Exhibits</td>
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<tr>
<td>7:55 AM</td>
<td>Welcome</td>
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<tr>
<td></td>
<td>Helena W. Rodbard, MD</td>
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<tr>
<td></td>
<td>Robert S. Zimmerman, MD</td>
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<tr>
<td>SESSION 1: Laurence Kennedy, MD, Presiding</td>
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<tr>
<td>8:00 AM</td>
<td>Board Simulation in Pediatric Endocrinology</td>
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<td></td>
<td>Donald Zimmerman, MD</td>
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<tr>
<td>8:45 AM</td>
<td>Female Hypogonadism</td>
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<td></td>
<td>Marjan Attaran, MD</td>
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<tr>
<td>9:30 AM</td>
<td>Hirsutism</td>
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<td></td>
<td>Adi Mehta, MD</td>
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<tr>
<td>10:10 AM</td>
<td>Refreshments and Exhibits</td>
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<tr>
<td>10:30 AM</td>
<td>Male Hypogonadism and Infertility</td>
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<tr>
<td></td>
<td>Charles Faiman, MD</td>
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<tr>
<td>11:15 AM</td>
<td>Dyslipidemia: Diagnostic Question &amp; Answer Period</td>
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<td></td>
<td>H. Bryan Brewer, Jr., MD</td>
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<tr>
<td>12:00 PM</td>
<td>Luncheon and Exhibits</td>
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**SESSION 2: Betul Hatipoglu, MD, Presiding**

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>1:15 PM</td>
<td>Preventive Endo-Cardiology Highlights</td>
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<tr>
<td></td>
<td>Faramarz Ismail-Beigi, MD</td>
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<tr>
<td>2:00 PM</td>
<td>Adrenal Dysfunction</td>
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<td></td>
<td>Thomas Murphy, MD</td>
</tr>
<tr>
<td>3:00 PM</td>
<td>Refreshments and Exhibits</td>
</tr>
<tr>
<td>3:30 PM</td>
<td>Diabetes Therapeutics: From New Insulins to Incretins</td>
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<td>Robert Zimmerman, MD</td>
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<tr>
<td>4:15 PM</td>
<td>Case Management Studies in Endocrine Surgery</td>
</tr>
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<td>Allan Siperstein, MD</td>
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<tr>
<td>5:00 PM</td>
<td>Visual Journey of Endocrinology: Preparation for the Boards</td>
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<td></td>
<td>Farhad Zangeneh, MD</td>
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<tr>
<td>6:00 PM</td>
<td>Welcome Reception and Exhibits</td>
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<tr>
<td>7:00 PM</td>
<td>OPTIONAL Workshop: Pediatric Endocrinology Case Reviews</td>
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<td></td>
<td>Douglas Rogers, MD; Ajuah Davis, MD</td>
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**Saturday, October 3, 2009**

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 AM</td>
<td>Continental Breakfast / Exhibits</td>
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<tr>
<td>SESSION 3: Harmeet Singh Narula, MD, Presiding</td>
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<tr>
<td>7:30 AM</td>
<td>Metabolic Bone Disease: Board Simulation</td>
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<td></td>
<td>Mario Skugor, MD</td>
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<tr>
<td>8:15 AM</td>
<td>Osteoporosis and Vitamin D Deficiency</td>
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<td></td>
<td>Angelo Licata, MD</td>
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<tr>
<td>9:00 AM</td>
<td>Hyper and Hypo Calcemia</td>
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<td></td>
<td>Michael Levine, MD</td>
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<tr>
<td>9:45 AM</td>
<td>Refreshments and Exhibits</td>
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<tr>
<td>10:00 AM</td>
<td>Endocrine Hypertension</td>
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<td></td>
<td>Emmanuel Bravo, MD</td>
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<tr>
<td>11:00 AM</td>
<td>Pituitary Disorders</td>
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<td></td>
<td>Mark Molitch, MD</td>
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<tr>
<td>12:00 PM</td>
<td>Luncheon and Exhibits</td>
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</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>1:00 PM</td>
<td>Thyroid Cancer</td>
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<tr>
<td></td>
<td>Hossein Gharib, MD</td>
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<tr>
<td>2:00 PM</td>
<td>Thyroid Board Simulation</td>
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<td></td>
<td>Henry Burch, MD</td>
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<tr>
<td>2:45 PM</td>
<td>DI/SIADH</td>
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<td></td>
<td>Joseph Verbalis, MD</td>
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<tr>
<td>3:30 PM</td>
<td>Refreshments and Exhibits</td>
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<tr>
<td>3:45 PM</td>
<td>Considerations in Women’s Health</td>
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<tr>
<td></td>
<td>Holly Thacker, MD</td>
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<tr>
<td>4:45 PM</td>
<td>Endocrinology Highlights: 2008 - 2009 Who Wants to Be an Endocrine Millionaire?</td>
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<tr>
<td></td>
<td>Faculty vs. Fellows</td>
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<tr>
<td></td>
<td>S. Sethu K. Reddy, MD</td>
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<tr>
<td>5:30 PM</td>
<td>Adjourn</td>
</tr>
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**Sunday, October 4, 2009**

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>11:30 AM</td>
<td>Board Simulation: Pituitary/Adrenal</td>
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<tr>
<td></td>
<td>Amir Hamrahian, MD</td>
</tr>
<tr>
<td>12:30 PM</td>
<td>Preventing Diabetes Complications &amp; Intensive Therapy</td>
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<tr>
<td></td>
<td>Board Simulation</td>
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<tr>
<td></td>
<td>Leann Olansky, MD</td>
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<tr>
<td>1:15 PM</td>
<td>Vote of Thanks and Adjournment</td>
</tr>
<tr>
<td></td>
<td>Robert Zimmerman, MD</td>
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</tbody>
</table>
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.ccfcme.com/endoreview09
For questions about registering online, call 216448-0777.

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
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Fees

Before October 2, 2009
Onsite

- Physician $599.00 $674.00
- AACE Member $499.00 $574.00
- Comprecare Affiliate Member (ID# ________________) $389.35 $464.35
- Resident/Fellow* $150.00 $225.00
- 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.ccfcme.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:

Fax Number: 216-448-0783
Make check payable to: The Cleveland Clinic Educational Foundation
Mailing Address: PO Box 931653
Cleveland, OH 44193-1082

For additional information, email: cmeregistration@ccf.org
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Endocrinology & Metabolism Board Review 2009

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