



**HARVARD**  
MEDICAL SCHOOL

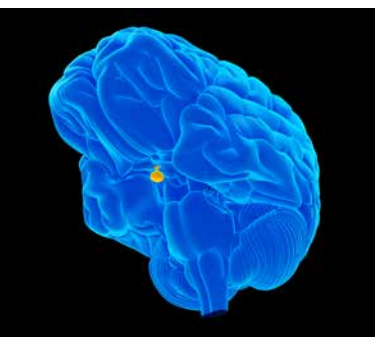
This program is among  
the highest-rated  
Harvard Medical School  
CME courses

# CLINICAL ENDOCRINOLOGY 2018

March 24–28 • Boston, MA

Clinical strategies and comprehensive updates for state-of-the-art endocrine care

Under the direction of Beverly MK Biller, MD



- Improved screening for common conditions
- The newest clinical guidelines
- Expanded options for diagnosis
- State-of-the-art treatment strategies
- Guidance for challenging cases
- Updates for management of common and rare endocrine disorders
- New concepts in endocrinology and diabetes
- Pediatric endocrinology for adult endocrinologists
- Skills-advancement workshops, including thyroid ultrasound and insulin pump management
- Dedicated time to pose your specific questions to experts
- The ability to customize your learning experience

# Comprehensive Updates



We will be delighted to welcome you to the walkable city of Boston—rich in US history, and brimming with culture, ranging from sports to art museums—for an exciting five-day update in endocrinology

## Accreditation

### ACCREDITATION COUNCIL FOR CONTINUING MEDICAL EDUCATION

Harvard Medical School is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Harvard Medical School designates this live activity for a maximum of 38.75 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in this activity.

### MOC STATEMENT

Successful completion of this CME activity enables the participant to earn up to 38.75 MOC points in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC points.

### CANADIAN ACCREDITATION

The Royal College of Physicians and Surgeons of Canada recognizes conferences and workshops held outside of Canada that are developed by a university, academy, hospital, specialty society or college as accredited group learning activities.

### EUROPEAN ACCREDITATION

Through an agreement between the American Medical Association and the European Union of Medical Specialists, physicians may convert *AMA PRA Category 1 Credit*<sup>™</sup> to an equivalent number of European CME Credits<sup>®</sup> (ECMECs<sup>®</sup>). Information on the process of converting *AMA PRA Category 1 Credits*<sup>™</sup> to ECMECs<sup>®</sup> can be found at: [www.eaccme.eu](http://www.eaccme.eu).

**Our faculty, world-renowned for their clinical, research and teaching achievements, cover important updates and recent advances for:**

- Acromegaly
- Adrenal incidentalomas
- Adult growth hormone deficiency
- Cushing's disease
- Cystic fibrosis-related endocrinopathies
- Diabetes in pregnancy
- Diabetes type I
- Diabetes type II
- Erectile dysfunction
- Glucocorticoid-induced osteoporosis
- Graves' eye disease
- Hyper- and hypoparathyroidism
- Hyper- and hypothyroidism
- Hyperandrogenism/polycystic ovarian syndrome
- Hyperprolactinemia
- Hypocalcemia
- Hypoglycemia
- Hypopituitarism
- Insulin pump management
- Lipid disorders
- Male and female hypogonadism
- Menopause
- Obesity
- Osteoporosis
- Pheochromocytoma
- Pituitary surgery and radiation
- Pituitary zebras
- Primary aldosteronism
- Sellar-region abnormalities
- Thyroid cancer
- Thyroid disease and pregnancy
- Thyroid nodules
- Thyroid ultrasound
- Transgender care

## Harvard Medical School Faculty

Lloyd Axelrod, MD  
Ravikumar Balasubramanian, MBBS, PhD, MRCP  
Giuseppe Barbesino, MD  
Beverly MK Biller, MD  
Sherri-Ann M. Burnett-Bowie, MD, MPH  
Enrico Cagliero, MD  
Paul Copeland, MD  
Gilbert H. Daniels, MD  
Marie Demay, MD  
Alex Faje, MD  
Pouneh Fazeli, MD  
Jose Florez, MD, PhD  
Mason W. Freeman, MD  
John E. Godine, MD, PhD  
Ole-Petter Hamnvik, MBBCh, BAO, MMSc  
Frances Hayes, MD  
Marie-France Hivert, MD, MMSc  
Anne Klibanski, MD  
Henry M. Kronenberg, MD  
Benjamin Z. Leder, MD  
Margaret Lippincott, MD  
Michael Mannstadt, MD  
Kathryn A. Martin, MD  
Karen K. Miller, MD  
Lisa Nachtigall, MD  
David M. Nathan, MD  
Melissa Putman, MD  
Douglas S. Ross, MD  
Steven Russell, MD, PhD  
Stephanie Seminara, MD  
David Slovik, MD

Takara Stanley, MD  
Nikolaos Stathatos, MD  
Brooke Swearingen, MD  
Cigdem Tanrikut, MD  
Nicholas A. Tritos, MD, DSc  
Joy Tsai, MD  
Marc Wein, MD, PhD  
Deborah J. Wexler, MD  
Elaine W. Yu, MD

## Guest Faculty

**John P. Bilezikian, MD**  
*Dorothy L. and Daniel H. Silberberg Professor of Medicine and Pharmacology; Vice-Chair for International Education and Research; Chief Emeritus, Division of Endocrinology; Director, Metabolic Bone Diseases Program, College of Physicians and Surgeons, Columbia University*

**R. Michael Tuttle, MD**  
*Attending Physician and Professor of Medicine; Endocrinology Service Co-Program Director, Endocrinology, Diabetes and Metabolism Training Program, NewYork-Presbyterian Hospital – Memorial Sloan Kettering Cancer Center, Weill Medical College at Cornell University*

**William F. Young, Jr., MD**  
*Professor of Medicine, Mayo Clinic College of Medicine; Chair, Division of Endocrinology/Metabolism, Mayo Clinic*

**Kevin C.J. Yuen, MD, FRCP (UK)**  
*Associate Professor, Medical Director, Swedish Pituitary Center*



# HARVARD MEDICAL SCHOOL

Dear Colleague,

For nearly 50 years, renowned experts in endocrinology at Harvard Medical School and Massachusetts General Hospital have delivered *Clinical Endocrinology*—the acclaimed annual update of current endocrine diagnostic and management strategies. If you provide care to patients with endocrine disorders, this course will be invaluable.

This program is unique in that it:

- Provides comprehensive strategies for state-of-the-art endocrine care
- Synthesizes clinical updates and shows you how to incorporate them into practice
- Provides dedicated time to pose your specific questions to experts and delve into how information presented in this course can be used in your own clinical setting
- Offers guidance for challenging cases
- Delivers clinical pearls that you can immediately apply to patient care
- Includes skills advancement at workshops on insulin pumps and thyroid ultrasound
- Reviews the latest clinically applicable research and clinical guidelines
- Can foster valuable professional relationships with colleagues from across the US, Canada, South America, Africa, Australia, Europe, Asia, and the Middle East
- Allows you to customize your learning experience, choosing workshops for your specific practice needs
- Is taught by endocrinologists and other specialists renowned for their clinical expertise and excellence in teaching; many are also leading investigators in their fields

Participants consistently report that this program “*improves the quality of care for my patients,*” inspires them to “*improve dynamics in teaching,*” “*reminds me to keep vigilant about rare diseases,*” and “*increases my job satisfaction.*”

You can rely on this program to enhance your endocrine knowledge and optimize your care of hormone disorders with evidence-based strategies.

We very much hope you will join us, and look forward to seeing you in March.

**Beverly MK Biller, MD**  
Course Director



Beverly MK Biller, MD is a Professor of Medicine at Harvard Medical School and a faculty member in the Neuroendocrine Unit at Massachusetts General Hospital (MGH), Boston, Massachusetts, USA. Dr. Biller directs the Clinical Fellowship in adult Endocrinology and Metabolism at MGH and conducts research related to the pathogenesis, diagnosis and treatment of pituitary disorders. She has co-authored clinical practice guidelines on pituitary topics for the Endocrine Society and the American Association of Clinical Endocrinologists.



MASSACHUSETTS  
GENERAL HOSPITAL

# Agenda



## Customize Your Learning Experience

This program offers you the opportunity to choose from among 15 case-based and problem-solving workshops to tailor your learning experience to your specific practice needs.

Year after year, participants report that the workshops have improved their approach to common, complex and challenging issues seen in day-to-day practice. Participants are encouraged to bring questions to these highly interactive forums.

These workshops are led by the top clinical faculty at Harvard Medical School and Massachusetts General Hospital — experienced practitioners working at the forefront of endocrinology. With a mix of case-based, problem-solving and discussion-based learning, these workshops provide new and important clinical insights.

## SATURDAY, MARCH 24 (Pituitary)

7:15-8:00	<b>Registration and Continental Breakfast</b>
8:00-8:15	<b>Welcome and Introduction</b> Beverly MK Biller, MD
8:15-9:10	<b>Hypopituitarism: A Comprehensive Update</b> Karen K. Miller, MD
9:10-10:10	<b>Cushing's Diagnosis and Treatment in 2018</b> Beverly MK Biller, MD
10:10-10:30	<i>Coffee/Tea (refreshments provided)</i>
10:30-11:30	<b>Case-Based Approach to Hyperprolactinemia</b> Anne Klibanski, MD
11:30-12:15	<b>What Is the Sellar Lesion: Illustrative Pituitary Cases</b> Nicholas A. Tritos, MD, DSc
12:15-1:45	<i>Break for lunch*</i>
1:45-2:30	<b>Current Diagnosis and Management of Adult Growth Hormone Deficiency</b> Kevin C.J. Yuen, MD, FRCP
2:30-3:25	<b>Clinical Management of Acromegaly</b> Lisa Nachtigall, MD
3:25-3:45	<i>Coffee/Tea (refreshments provided)</i>
3:45-4:45	<b>Update on Pituitary Surgery and Radiation: A Neurosurgeon's Perspective</b> Brooke Swearingen, MD
4:45-5:15	<b>Expert Faculty Panel for Q &amp; A</b> Drs. Biller, Nachtigall, Swearingen, and Yuen

## Course Description

A faculty of over 40 speakers, primarily Harvard Medical School faculty and several select outside experts, chosen for their recognized educational and communication skills, present the most up-to-date, evidence-based approach to endocrine problems such as osteoporosis, type 1 and type 2 diabetes, hypercholesterolemia, pituitary tumors, menopause, thyroid abnormalities, and reproductive dysfunction, as well as a broad spectrum of other clinical problems in endocrinology. Each of the 5 days is organized around one of the major topics to be covered: pituitary disease on Saturday; reproductive and adrenal disorders on Sunday; calcium, bone and osteoporosis on Monday; thyroid disease on Tuesday; and diabetes, obesity and lipid disorders on Wednesday. Teaching methods include didactic lectures and interactive case studies. Also offered are small afternoon workshop sessions.

## Learning Objectives

Upon completion of this course, participants will be able to:

- Evaluate the typical clinical features of common, as well as rare, endocrine diseases
- Identify at-risk patients who should be screened for endocrine conditions
- Select appropriate diagnostic tests for patients with possible endocrine disorders, based on published clinical guidelines and other current research findings
- Choose evidence-based, cost-effective therapeutic options for patients with endocrine disorders

Now offering ABIM MOC Points

# Agenda

## SUNDAY, MARCH 25 (Repro and Adrenal)

7:15-8:00	<b>Continental Breakfast</b>
8:00-9:00	<b>Endocrine Hypertension: Case-Based Update on Pheochromocytoma and Primary Aldosteronism</b> William F. Young, Jr., MD
9:00-9:40	<b>Adrenal Incidentaloma: Illustrative Cases of Current Diagnostic Strategies</b> William F. Young, Jr., MD
9:40-9:55	<i>Coffee/Tea (refreshments provided)</i>
9:55-10:45	<b>A 2018 Approach to the Menopausal Patient</b> Kathryn A. Martin, MD
10:45-11:40	<b>Current Diagnosis and Management of Amenorrhea and Hyperandrogenism</b> Stephanie Seminara, MD
11:40-12:00	<b>Reproductive Faculty Panel for Audience Q &amp; A</b> Faculty
12:00-1:10	<i>Break for lunch*</i>
1:10-1:45	<b>Gender-Affirming Hormonal Treatment of Transgender Individuals: Changing Paradigms in a Changing Society</b> Ole-Petter Hamnvik, MBCh, BAO, MMSc
1:45-2:30	<b>Male Hypogonadism: Insights into Pathophysiology and Evaluation</b> Frances Hayes, MD
2:30-2:50	<i>Coffee/Tea (refreshments provided)</i>
2:50-3:30	<b>Optimizing Treatment Strategies and Patient Outcomes for Male Hypogonadism</b> Ravi Balasubramanian, MBBS, PhD, MRCP
3:30-4:05	<b>Erectile Dysfunction: A Urologist's Perspective</b> Cigdem Tanrikut, MD
4:05-4:30	<b>Expert Reproductive Faculty Answer Your Questions</b> Reproductive Endocrine Staff

### 4:30-6:00 Workshops

<b>Diagnosis and Treatment Strategies for Calcium and Bone Disorder Cases</b> Marc Wein, MD, PhD	S1
<b>Diabetes in Pregnancy: Updates for Screening, Diagnosis and Management</b> «Primary Care Focus» Marie-France Hivert, MD, MMSc	S2
<b>Lessons Learned from Challenging Pituitary Cases</b> Pouneh Fazeli, MD	S3
<b>Case-Based Approach to Reproductive Endocrinology</b> Margaret Lippincott, MD	S4
<b>Lessons Learned from Challenging Thyroid Cases</b> Nikolaos Stathatos, MD	S5

## MONDAY, MARCH 26 (Calcium and Bone)

7:15-8:00	<b>Continental Breakfast</b>
8:00-8:30	<b>Hereditary Hyperparathyroidism: Illustrative Patient Cases</b> Henry M. Kronenberg, MD
8:30-9:20	<b>Primary Hyperparathyroidism 2018: A Comprehensive Update</b> John P. Bilezikian, MD
9:20-9:35	<i>Coffee/Tea (refreshments provided)</i>
9:35-10:25	<b>Hypocalcemia: Case-Based Diagnosis and Mechanisms</b> Marie Demay, MD
10:25-10:40	<b>Hypoparathyroidism: A Comprehensive Update on Guidelines and New Treatments</b> Michael Mannstadt, MD
10:40-11:15	<b>Optimizing Bone Health through Vitamin D, Nutrition and Exercise</b> Sherri-Ann M. Burnett-Bowie, MD, MPH
11:15-12:10	<b>Roundtable Discussion: Bones, Groans, and Stones: Mineral Metabolism Clinical Cases</b> Elaine W. Yu, MD, Joy Tsai, MD and Sherri-Ann M. Burnett-Bowie, MD, MPH
12:10-1:25	<i>Break for lunch*</i>
1:25-1:55	<b>Osteoporosis: Current Diagnostic Approaches</b> Elaine W. Yu, MD
1:55-2:40	<b>Osteoporosis: Treatment Strategies in 2018</b> Joy Tsai, MD
2:40-2:55	<i>Coffee/Tea (refreshments provided)</i>
2:55-3:40	<b>Osteoporosis: Controversies, Emerging Therapies, Combination Therapy</b> Benjamin Z. Leder, MD
3:40-4:00	<b>State-of-the-Art Management of Glucocorticoid-Induced Osteoporosis</b> Michael Mannstadt, MD
4:00-4:30	<b>Osteoporosis Panel: Ask the Experts</b> Drs. Leder, Tsai, and Yu

### 4:30-6:00 Workshops

<b>Challenging Calcium and Bone Cases</b> Joy Tsai, MD	M1
<b>Introductory Insulin Pump Management: Patient Selection, Pump Selection, Initiation and Settings</b> Enrico Cagliero, MD	M2
<b>Pituitary Zebras: Not All Hoofbeats Are Horses</b> Alex Faje, MD	M3
<b>Challenging Reproductive Endocrine Cases</b> Frances Hayes, MD	M4
<b>Illustrative Cases of Thyroid Dysfunction</b> «Primary Care Focus» Nikolaos Stathatos, MD	M5

# Agenda

## TUESDAY, MARCH 27 (Thyroid)

7:15-8:00	<b>Continental Breakfast</b>
8:00-9:00	<b>Subclinical Thyroid Disease: Do Endocrinologists Pay Attention to the Evidence?</b> Douglas S. Ross, MD
9:00-10:00	<b>The 2018 Approach to Hyperthyroidism</b> Gilbert H. Daniels, MD
10:00-10:15	<i>Coffee/Tea (refreshments provided)</i>
10:15-10:45	<b>Graves' Eye Disease</b> Giuseppe Barbesino, MD
10:45-11:45	<b>Thyroid Nodules: A Costly Problem</b> Douglas S. Ross, MD
11:45-12:10	<b>Expert Thyroid Panel Answers Your Questions</b> Drs. Barbesino, Daniels and Ross
12:10-1:20	<i>Break for lunch*</i>
1:20-2:00	<b>Hypothyroidism: Current Diagnosis and Management</b> Gilbert H. Daniels, MD
2:00-3:00	<b>Thyroid Cancer: State of the Art in 2018</b> R. Michael Tuttle, MD
3:00-3:20	<i>Coffee/Tea (refreshments provided)</i>
3:20-4:00	<b>Thyroid Disease and Pregnancy: A Comprehensive Update</b> Gilbert H. Daniels, MD
4:00-4:30	<b>Panel of Thyroid Specialists for Q &amp; A</b> Drs. Daniels, Ross and Tuttle

<b>4:30-6:00 Workshops</b>	
<b>Calcium Cases</b> «Primary Care Focus» David Slovik, MD	<b>T1</b>
<b>Screening, Diagnosis and Management of Cystic Fibrosis-Related Diabetes and Bone Disease</b> Melissa Putman, MD	<b>T2</b>
<b>Pediatric Endocrinology That an Adult Endocrinologist Should Know</b> Takara Stanley, MD	<b>T3</b>
<b>Topics in Male Reproduction: A Case-Based Approach</b> Ravi Balasubramanian, MBBS, PhD, MRCP	<b>T4</b>
<b>Practical Update on Thyroid Ultrasound</b> Giuseppe Barbesino, MD	<b>T5</b>

## WEDNESDAY, MARCH 28 (Diabetes)

7:15-8:00	<b>Continental Breakfast</b>
8:00-8:35	<b>Modern-Day Therapy and Results of Treatment of Type 1 Diabetes</b> David M. Nathan, MD
8:35-9:05	<b>Clinically Relevant Pathophysiology and Genetics of Type 2 Diabetes</b> Jose Florez, MD, PhD
9:05-9:45	<b>Update on the Type 2 Diabetes Epidemic: Prevention and Treatment</b> David M. Nathan, MD
9:45-10:05	<i>Coffee/Tea (refreshments provided)</i>
10:05-10:35	<b>When to Use New Treatments for Type 2 Diabetes and What to Expect: Cases</b> Enrico Cagliero, MD
10:35-11:25	<b>Obesity Management: A Practical Approach</b> Paul Copeland, MD
11:25-12:00	<b>Pulling It All Together: Diabetes and Obesity (Ask the Experts)</b> Faculty
12:00-1:00	<i>Break for lunch*</i>
1:00-1:35	<b>Inpatient Diabetes Management: Evidence and Strategies</b> John E. Godine, MD, PhD
1:35-2:05	<b>Glycemic Control, Glucose-Lowering Medications, and Cardiovascular Disease</b> Deborah J. Wexler, MD
2:05-2:45	<b>State-of-the-Art Lipid Management</b> Mason W. Freeman, MD
2:45-3:05	<i>Coffee/Tea (refreshments provided)</i>
3:05-3:40	<b>Hypoglycemia: Differential Diagnosis, Evaluation, and an Illustrative Case</b> Lloyd Axelrod, MD
3:40-4:05	<b>The Future of Type 1 Diabetes Treatment: The Artificial Pancreas</b> Steven Russell, MD, PhD
4:05-4:30	<b>Metabolic Mash-Up with the Afternoon's Experts</b> Faculty

\*There are many convenient and varied lunch options within a short walking distance of the course.

Program changes/substitutions may be made without notice. To view the most up-to-date version of the course program, please visit the course website.

### Workshops of Particular Interest to Primary Care Providers:

- Illustrative Cases of Thyroid Dysfunction (Workshop M5)
- Diabetes in Pregnancy: Updates for Screening, Diagnosis and Management (Workshop S2)
- Calcium Cases (Workshop T1)







# HARVARD MEDICAL SCHOOL

## CLINICAL ENDOCRINOLOGY 2018

March 24–28 Boston, MA

### A Practical, Comprehensive Update for Busy Clinicians

ENDOCRINOLOGISTS, INTERNISTS, FAMILY PHYSICIANS, PEDIATRICIANS, NPs and PAs (and other clinicians who treat endocrine disorders) can rely on this program for comprehensive updates to improve screening, evaluation, diagnosis, and treatment of:

- Pituitary hormone excess and deficiency states
- Adrenal conditions
- Male and female reproductive conditions
- Calcium/bone conditions (including osteoporosis)
- Thyroid nodule/cancer
- Thyroid hormone excess and deficiency states
- Diabetes: type 1, type 2, and in pregnancy
- Obesity
- Lipid disorders

#### Earn up to:

- 38.75 AMA PRA Category 1 Credits™
- 38.75 ABIM MOC Points **(NEW)**



Register at [Endocrinology.HMSCME.com](http://Endocrinology.HMSCME.com)



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### Clinical Endocrinology 2018

Course #732585-1802

	Tuition	Register on or before January 31, 2018
Physicians	\$1,495	<b>\$1,395 (SAVE \$100)</b>
Allied Health Professionals	\$1,195	<b>\$1,095 (SAVE \$100)</b>
Residents and Fellows		\$895

*Tuition includes all sessions, breakfasts, and morning and afternoon refreshment breaks. All attendees of Clinical Endocrinology 2018 will receive a flash drive containing course materials. You can purchase a printed copy of these materials at the time of online registration for \$70.*

### REGISTRATION, PAYMENT, CONFIRMATION AND REFUND POLICY

Registrations for Harvard Medical School CME programs are made via our secure online registration system. To register for this course, please visit the course website at [Endocrinology.HMSCME.com](http://Endocrinology.HMSCME.com).

At the end of the registration process, a \$5 non-refundable processing fee will be added to your registration, and you will have the choice of paying by check or credit card (Visa, MasterCard, or American Express). If you are paying by check (draft on a United States bank), the online registration system will provide you with instructions and a printable form for remitting your course fees by check. Postal, telephone, fax, and cash-payment registrations are not accepted. All fees shown in USD.

Upon receipt of your paid registration, an email confirmation from the HMS GCE office will be sent to you. Be sure to include an email address that you check frequently. Your email address is used for critical information, including registration confirmation, evaluation, and certificate. Refunds, less an administrative fee of \$75, will be issued for all cancellations received two weeks prior to the start of the course. Refund requests must be received by email. No refund will be issued should cancellation occur less than two weeks prior. "No shows" are subject to the full course fee and no refunds will be issued once the conference has started.

### QUESTIONS?

Call 617-384-8600 Monday-Friday 9am – 5pm (ET) or e-mail [CEPrograms@hms.harvard.edu](mailto:CEPrograms@hms.harvard.edu).



### VENUE

Fairmont Copley Plaza  
138 St. James Avenue  
Boston, MA 02116  
617-267-5300

### ACCOMMODATIONS

A limited number of discounted rooms\* have been reserved at Fairmont Copley Plaza until February 28, 2018. Please specify that you are enrolled in this course to request a reduced rate. You can call the Global Reservation Center at 800-441-1414 to make a room reservation. You can also make your discounted reservation online by February 28, 2018 at: <https://aws.passkey.com/go/hmsmghclinicalendocrinology>.

*\*Please note that the discounted rooms may sell out before the deadline.*

**Please do not make non-refundable travel arrangements until you have received an email from our office confirming your paid registration.**