

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

### CLINICAL ENDOCRINOLOGY

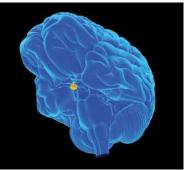
2019

April 3-7 • Boston, MA

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

Under the direction of Beverly M.K. 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 by selecting from among 15 workshops





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 a session on insulin pumps and technology management in type 1 diabetes and a thyroid ultrasound afternoon workshop
- 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 (in 2018, attendees came from more than 40 countries!)
- 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," "provides unanticipated pearls to translate into practice," is "the best endocrine course that I've attended," 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 April.

Beverly M.K. Biller, MD

Course Director



Beverly M.K. 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.



### **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 FOLICATION

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

The Harvard Medical School designates this live activity for a maximum of 39.00 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in this activity.

#### MOC STATEMENT

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 39.00 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™ to an equivalent number
of European CME Credits®
(ECMECs®). Information on the
process of converting AMA PRA
Category 1 Credits™ to ECMECs®
can be found at: www.eaccme.eu.

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

- Acromegaly
- · Adrenal incidentaloma
- Adult growth hormone deficiency
- Cushing's disease
- Diabetes in pregnancy
- Diabetes type 1
- · Diabetes type 2
- Erectile dysfunction
- Glucocorticoid-induced osteoporosis
- Graves' eye disease
- · Hyper- and hypoparathyroidism
- Hyper- and hypothyroidism
- Hyperandrogenism/polycystic ovarian syndrome
- Hyperprolactinemia
- Hypocalcemia
- Hypoglycemia

- Hypopituitarism
- Insulin pumps and technology management in type 1 DM
- Lipid disorders
- Male and female hypogonadism
- Menopause
- Obesity
- Osteoporosis
- Pheochromocytoma
- Pituitary surgery and radiation
- Primary aldosteronism
- Sellar region abnormalities
- Thyroid cancer
- Thyroid disease and pregnancy
- Thyroid nodules
- Thyroid ultrasound
- Transgender care

### **Harvard Medical School Faculty**

Ravikumar Balasubramanian, MBBS, PhD, MRCP (UK)

Giuseppe Barbesino, MD Beverly M.K. 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 Mason W. Freeman, MD

John E. Godine, MD, PhD

Ole-Petter Hamnvik, MBBCh, BAO, MMSc

Frances Hayes, MD

Marie-France Hivert, MD, MMSc

Pamela Jones, MD, MPH

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

Camille Powe, MD

Melissa Putman, MD Douglas S. Ross, MD

Steven Russell, MD, PhD

Stephanie Seminara, MD

Takara Stanley, MD

Nikolaos Stathatos, MD

Brooke Swearingen, MD Nicholas A. Tritos, MD, DSc

Joy Tsai, MD

Miriam S. Udler, MD, PhD Nancy Wei, 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

#### Jose M. Garcia, MD, PhD

Associate Professor, Division of Gerontology & Geriatric Medicine, University of Washington School of Medicine; Clinician-Investigator, Geriatric Research, Education and Clinical Center, VA Puget Sound Health Care System

### Cigdem Tanrikut, MD

Reproductive Urologist, Shady Grove Fertility; Department of Urology, Georgetown University School of Medicine; President, Society of Male Reproduction and Urology

### 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

# genda



### **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.

WEDNESDAY, APRIL 3 (Pituitary)			
7:15 - 8:00	Registration and Continental Breakfast		
8:00 - 8:15	<b>Welcome and Introduction</b> Beverly M.K. Biller, MD		
8:15 - 9:10	Hypopituitarism: A Comprehensive Update Karen K. Miller, MD		
9:10 - 10:10	<b>Cushing's Diagnosis and Treatment in</b> <b>2019</b> Beverly M.K. Biller, MD		
10:10 - 10:30	Coffee/Tea (refreshments provided)		
10:30 - 11:30	Case-Based Approach to Hyperprolactinemia Anne Klibanski, MD		
11:30 - 12:15	What Is the Sellar Lesion? Illustrative Pituitary Cases Nicholas A. Tritos, MD, DSc		
12:15 - 1:45	Break for lunch*		
1:45 - 2:30	Current Diagnosis and Management of Adult Growth Hormone Deficiency Jose M. Garcia, MD, PhD		
2:30 - 3:25	<b>Clinical Management of Acromegaly</b> Lisa Nachtigall, MD		
3:25 - 3:45	Coffee/Tea (refreshments provided)		
3:45 - 4:45	Update on Pituitary Surgery and Radiation: A Neurosurgeon's Perspective Brooke Swearingen, MD		
4:45 - 5:15	Expert Faculty Panel for Q & A		

Drs. Biller, Garcia, Nachtigall and

Swearingen

### **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 five days is organized around one of the major topics to be covered: pituitary disease on Wednesday; diabetes, obesity and lipid disorders on Thursday; reproductive and adrenal disorders on Friday; thyroid disease on Saturday; and calcium, bone and osteoporosis on Sunday, 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

## Agenda

	THURSDAY, APRIL 4 (Diabetes)	
7:15 - 8:00	Continental Breakfast	7:15
8:00 - 8:40	Modern-Day Therapy and Results of Treatment of Type 1 Diabetes David M. Nathan, MD	8:00
8:40 - 9:15	Smart Pumping, Smart Pumps: Technology Management in Type 1 DM Enrico Cagliero, MD	9:00
9:15 - 9:55	<b>Diabetes Clinical Genetics</b> Miriam S. Udler, MD, PhD	9:40
9:55 - 10:15	Coffee/Tea (refreshments provided)	9:55
10:15 - 10:55	Management of Type 2 Diabetes: Make New Friends, but Keep the Old David M. Nathan, MD	10:4
10:55 - 11:35	New Approaches to Type 2 Diabetes and How to Choose the Right Therapy Deborah J. Wexler, MD	_
11:35 - 12:00	Pulling It All Together: Diabetes and Obesity	
	Faculty	12:0
12:00 - 1:00	Break for lunch*	1:00
1:00 - 1:40	Obesity Management: A Practical Approach Paul Copeland, MD	1:45
1:40 - 2:20	<b>State-of-the-Art Lipid Management</b> Mason W. Freeman, MD	
2:20 - 2:40	<b>Diet and Dietary Counseling</b> Drs. Copeland, Freeman, and Wexler	2:30
2:40 - 3:00	Coffee/Tea (refreshments provided)	2:50
3:00 - 3:30	Inpatient Diabetes Management: New Evidence and Strategies John E. Godine, MD, PhD	
3:30 - 3:55	Gestational Diabetes: Best Practices for Screening, Diagnosis and Treatment Marie-France Hivert, MD, MMSc	3:30
3:55 - 4:15	The Future of Type 1 Diabetes Treatment: The Artificial Pancreas Steven Russell, MD, PhD	4:05
4:15 - 4:30	Metabolic Mash-Up with the Afternoon' Experts Faculty	4:30 Cha
4:30 - 6:00	Workshops T1-T5 (choose one)	Mel
	<b>Bone Disorder Cases</b> T1 e Focus) Marc Wein, MD, PhD	<b>Hyp</b> Deb
<b>Update on I</b> Camille Pow	Diabetes in Pregnancy T2 e, MD	Pou
	ndocrinology That an Adult T3 ogist Should Know ey, MD	Cas End Mar
Topics in Ma	ale Reproduction: T4 ed Approach lalasubramanian, MBBS, PhD, MRCP (UK)	<b>Illu:</b> (Prir Niko
	odate on Thyroid Ultrasound T5	

Giuseppe Barbesino, MD

#### (Reproductive and Adrenal) 8:00 Continental Breakfast 9:00 **Endocrine Hypertension: Case-Based** Update on Pheochromocytoma and **Primary Aldosteronism** William F. Young, Jr., MD 9:40 Adrenal Incidentaloma: Illustrative **Cases of Current Diagnostic Strategies** William F. Young, Jr., MD 9:55 Coffee/Tea (refreshments provided) 10:45 State-of-the-Art Approaches to the **Menopausal Patient** Kathryn A. Martin, MD **Current Diagnosis and Management of** - 11:40 Amenorrhea and Hyperandrogenism Stephanie Seminara, MD - 12:00 **Reproductive Faculty Panel for** Audience Q & A **Faculty** Break for lunch\* - 1:00 1:45 Male Hypogonadism: Insights into Pathophysiology and Evaluation Frances Hayes, MD 2:30 **How to Optimize Your Treatment Strategies and Patient Outcomes for** Male Hypogonadism Ravi Balasubramanian, MBBS, PhD, MRCP (UK) 2:50 Coffee/Tea (refreshments provided) 3:30 **Gender-Affirming Hormonal Treatment** of Transgender Individuals: Changing **Paradigms in a Changing Society** Ole-Petter Hamnvik, MBBCh, BAO, MMSc 4:05 **Erectile Dysfunction: A Urologist's** Perspective Cigdem Tanrikut, MD 4:30 **Expert Reproductive Faculty Answer Your Questions** Reproductive Endocrine Staff Workshops F1-F5 (choose one) F1 enging Calcium and Bone Cases a Putman, MD glycemia F2 rah J. Wexler, MD ns Learned from Challenging Pituitary Cases F3 eh Fazeli, MD **Based Approach to Reproductive** F4 crinology aret Lippincott, MD rative Cases of Thyroid Dysfunction F5 ary Care Focus) os Stathatos, MD

FRIDAY, APRIL 5

## **Agenda**

#### SATURDAY, APRIL 6 (Thyroid) Continental Breakfast 7:15 - 8:00 8:00 - 9:00 **Subclinical Thyroid Disease: Do Endocrinologists Pay Attention to the** Evidence? Douglas S. Ross, MD 9:00 - 10:00 The 2019 Approach to Hyperthyroidism Gilbert H. Daniels, MD Coffee/Tea (refreshments provided) 10:00 - 10:15 10:15 - 10:45 Graves' Eye Disease Giuseppe Barbesino, MD 10:45 - 11:45 **Thyroid Nodules: A Costly Problem** Douglas S. Ross, MD 11:45 - 12:10 **Expert Thyroid Panel Answers Your** Questions Drs. Barbesino, Daniels and Ross 12:10 - 1:20 **Break for lunch\*** 1:20 - 2:00 Hypothyroidism: Current Diagnosis and Management Gilbert H. Daniels, MD 2:00 - 3:00 Thyroid Cancer: State-of-the-Art **Treatment and Diagnosis** R. Michael Tuttle, MD 3:00 - 3:20 Coffee/Tea (refreshments provided) 3:20 - 4:00 Thyroid Disease and Pregnancy: A Comprehensive Update Gilbert H. Daniels, MD Panel of Thyroid Specialists for Q & A 4:00 - 4:30 Drs. Daniels, Ross and Tuttle 4:30 - 6:00 Workshops S1-S5 (choose one) Calcium Cases **S1** Joy Tsai, MD Challenging Diabetes Cases S2 (Primary Care Focus) Nancy Wei, MD Pituitary Case Discussion: Perspectives from S3 an Endocrinologist and a Neurosurgeon Alex Faje, MD and Pamela Jones, MD, MPH **Challenging Reproductive Endocrine Cases S4**

<b>SUNDAY, APRIL 7</b>	
(Calcium and Bone)	

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7:15 - 8:00	Continental Breakfast
8:00 - 8:30	Hereditary Hyperparathyroidism: Illustrative Patient Cases Henry M. Kronenberg, MD
8:30 - 9:20	Primary Hyperparathyroidism in 2019: A Comprehensive Update John P. Bilezikian, MD
9:20 - 9:35	Coffee/Tea (refreshments provided)
9:35 - 10:25	Hypocalcemia: Case-Based Diagnosis and Mechanisms Marie Demay, MD
10:25 - 10:40	Hypoparathyroidism: A Comprehensive Update on Current Guidelines and New Treatments 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	Roundtable Discussion: Bones, Groans, and Stones: Mineral Metabolism Clinical Cases Elaine W. Yu, MD, Joy Tsai, MD and Sherri-Ann M. Burnett-Bowie, MD, MPH
12:10 - 1:25	Break for lunch*
1:25 - 1:55	Osteoporosis: Current Diagnostic Approaches Elaine W. Yu, MD
1:55 - 2:40	Osteoporosis: The Newest Treatment Strategies Joy Tsai, MD
2:40 - 2:55	Coffee/Tea (refreshments provided)
2:55 - 3:40	Osteoporosis: Controversies, Emerging Therapies, Combination Therapy Benjamin Z. Leder, MD
3:40 - 4:00	State-of-the-Art Management of Glucocorticoid-Induced Osteoporosis Michael Mannstadt, MD
4:00 - 4:30	<b>Osteoporosis Panel: Ask the Experts</b> Drs. Leder, Tsai, and Yu

<sup>\*</sup>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:**

**S5** 

- Calcium and Bone Disorder Cases (Workshop T1)
- Illustrative Cases of Thyroid Dysfunction (Workshop F5)
- Challenging Diabetes Cases (Workshop S2)

Lessons Learned from Challenging Thyroid Cases

Frances Hayes, MD

Nikolaos Stathatos, MD





# CLINICAL ENDOCRINOLOGY 2019 April 3–7 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 disorders (including osteoporosis)
- Thyroid nodules/cancer
- Thyroid hormone excess and deficiency states
- Diabetes: type 1, type 2, and in pregnancy
- Obesity
- · Lipid disorders

### Earn up to:

- 39.00 AMA PRA Category 1 Credits™
- 39.00 ABIM MOC Points



Register at Endocrinology.HMSCME.com





### Registration Information

Clinical Endocrinology 2019 Course #732585-1902	Tuition	Register on or before February 28, 2019
Physicians	\$1,565	\$1,465 (SAVE \$100)
Allied Health Professionals	\$1,365	\$1,265 (SAVE \$100)
Residents and Fellows	\$895	

Tuition includes all sessions, breakfasts, and morning and afternoon refreshment breaks. All attendees of Clinical Endocrinology 2019 will receive a flash drive containing course materials. You can purchase a printed copy of these materials in advance, at the time of online registration, for \$70.

### REGISTRATION, PAYMENT, CONFIRMATION AND REFUND POLICY

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

At the end of the registration process, a \$10 non-refundable processing fee will be added to your registration, and you will have the choice of paying by check, credit card (Visa, MasterCard, or American Express), or wire transfer in USD. If you are paying by check (draft on a United States bank) or by wire transfer, the online registration system will provide you with instructions for remitting your course fees. Postal, telephone, fax, and cash-payment registrations are not accepted. All fees shown in USD.

Upon receipt of your paid registration, an email confirmation 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 (US Eastern Time) or e-mail CEPrograms@hms.harvard.edu.



### **VENUE**

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

### ACCOMMODATIONS\*

A limited number of discounted rooms have been reserved at Fairmont Copley Plaza until March 8, 2019. Please specify that you are enrolled in this course to request a reduced rate. Please call the Global Reservation Center at 800-441-1414 to make a room reservation. To make your discounted reservation online before March 8, 2019, go to: https://book.passkey.com/go/hmsmghclinicalendocrino. You can also access this link on the Venue page of the course website.

\*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.