



HARVARD
MEDICAL SCHOOL

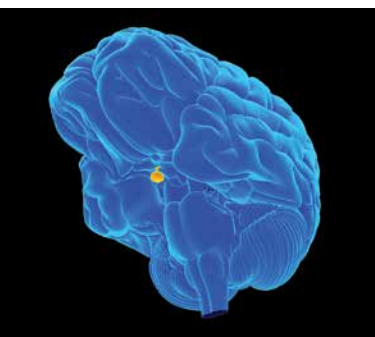
This program is among
the highest-rated
Harvard Medical School
CME courses

CLINICAL ENDOCRINOLOGY 2020

March 21–25 • 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 updates
- 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
- NEW: Endocrine effects of new chemotherapy drugs



MASSACHUSETTS
GENERAL HOSPITAL

Register at Endocrinology.HMSCME.com



HARVARD MEDICAL SCHOOL

Dear Colleague,

For nearly 50 years, renowned experts in endocrinology at Harvard Medical School and Massachusetts General Hospital have delivered the CME course *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 2019, attendees came from more than 35 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 patients with hormone disorders using evidence-based strategies.

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

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.



MASSACHUSETTS
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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

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 39.25 *AMA PRA Category 1 Credits*™. Physicians should claim only the credit commensurate with the extent of their participation in this activity.

AMERICAN BOARD OF INTERNAL MEDICINE

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 39.25 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
- Gestational diabetes
- Glucocorticoid-induced osteoporosis
- Graves' eye disease
- Hyper- and hypoparathyroidism
- Hyper- and hypothyroidism
- 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
- Polycystic ovarian syndrome/hyperandrogenism
- 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

Laura Dichtel, MD

Alex Faje, MD

Mason W. Freeman, MD

John E. Godine, MD, PhD

Frances J. Hayes, MB BCH BAO, FRCPI

Marie-France Hivert, MD, MMSc

Pamela Jones, MD, MS, MPH

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 E. 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

Pouneh Fazeli, MD

Associate Professor of Medicine; Director, Neuroendocrinology Unit, Division of Endocrinology and Metabolism, University of Pittsburgh

Andrew R. Hoffman, MD

Professor of Medicine (Endocrinology), Medicine - Endocrinology, Gerontology, & Metabolism, Stanford University

Cigdem Tanrikut, MD

Reproductive Urologist, Shady Grove Fertility; Department of Urology, Georgetown University School of Medicine; Past 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 Cornell Medical College

William F. Young, Jr., MD

Professor of Medicine, Mayo Clinic College of Medicine; Chair, Division of Endocrinology/Metabolism, Mayo Clinic

Agenda



Customize Your Learning Experience

This program offers you the opportunity to choose from among 15 case-based and problem-solving workshops—five topics occurring simultaneously on 3 afternoons—to tailor your learning experience to your specific practice needs.

Year after year, participants report that the afternoon 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.

Afternoon 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 21 (Pituitary)

7:15 - 8:00	Registration and Continental Breakfast
8:00 - 8:15	Welcome and Introduction Beverly M.K. Biller, MD
8:15 - 9:10	Hypopituitarism: A Comprehensive Update Karen K. Miller, MD
9:10 - 10:10	Cushing's Diagnosis and Treatment in 2020 Beverly M.K. Biller, MD
10:10 - 10:30	<i>Coffee/Tea (refreshments provided)</i>
10:30 - 11:30	Case-Based Approach to Hyperprolactinemia Pouneh Fazeli, MD
11:30 - 12:15	What Is the Sellar Lesion? Illustrative Pituitary Cases Nicholas A. Tritos, MD, DSc
12:15 - 1:45	<i>Break for lunch*</i>
1:45 - 2:30	Current Diagnosis and Management of Adult Growth Hormone Deficiency Andrew R. Hoffman, MD
2:30 - 3:25	Clinical Management of Acromegaly Lisa Nachtigall, MD
3:25 - 3:45	<i>Coffee/Tea (refreshments provided)</i>
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 Pituitary Faculty

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 Saturday; reproductive and adrenal disorders on Sunday; thyroid disease on Monday; calcium, bone and osteoporosis on Tuesday; and diabetes, obesity and lipid disorders on Wednesday. Teaching methods include didactic lectures and interactive case studies. Also offered are small-group 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
- Recognize evidence-based, cost-effective therapeutic options for patients with endocrine disorders

Now offering ABIM MOC Points

Agenda

SUNDAY, MARCH 22 (Reproductive and Adrenal)

7:15 - 8:00	Continental Breakfast
8:00 - 9:00	Endocrine Hypertension: Case-Based Update on Pheochromocytoma and Primary Aldosteronism William F. Young, Jr., MD
9:00 - 9:40	Adrenal Incidentaloma: Illustrative Cases of Current Diagnostic Strategies William F. Young, Jr., MD
9:40 - 9:55	<i>Coffee/Tea (refreshments provided)</i>
9:55 - 10:45	Approach to the Menopausal Patient in 2020 Kathryn A. Martin, MD
10:45 - 11:40	Current Diagnosis and Management of Amenorrhea and Hyperandrogenism Stephanie Seminara, MD
11:40 - 12:00	Reproductive Faculty Panel for Audience Q & A Faculty
12:00 - 1:00	<i>Break for lunch*</i>
1:00 - 1:45	Male Hypogonadism: Insights into Pathophysiology and Evaluation Frances J. Hayes, MB BCh BAO, FRCPI
1:45 - 2:30	Optimizing Treatment Strategies and Patient Outcomes for Male Hypogonadism Ravikumar Balasubramanian, MBBS, PhD, MRCP (UK)
2:30 - 2:50	<i>Coffee/Tea (refreshments provided)</i>
2:50 - 3:30	Hormonal Care of the Transgender Patient Frances J. Hayes, MB BCh BAO, FRCPI
3:30 - 4:05	Erectile Dysfunction: A Urologist's Perspective Cigdem Tanrikut, MD
4:05 - 4:30	Expert Reproductive Faculty Answer Your Questions Reproductive Endocrine Staff

4:30 - 6:00 Workshops S1-S5 (choose one)

Calcium Cases Joy Tsai, MD	S1
Primary Care Diabetes: Case-Based Discussion and Clinical Pearls ~ *Primary Care Focus* Nancy Wei, MD	S2
Endocrine Complications of Immune Checkpoint Inhibitors Alex Faje, MD	S3
Case-Based Approach to Reproductive Endocrinology Margaret Lippincott, MD	S4
Practical Update on Thyroid Ultrasound Giuseppe Barbesino, MD	S5

MONDAY, MARCH 23 (Thyroid)

7:15 - 8:00	Continental Breakfast
8:00 - 9:00	Subclinical Thyroid Disease: Do Endocrinologists Pay Attention to the Evidence? Douglas S. Ross, MD
9:00 - 10:00	The 2020 Approach to Hyperthyroidism Gilbert H. Daniels, MD
10:00 - 10:15	<i>Coffee/Tea (refreshments provided)</i>
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 - 1:10	<i>Break for lunch*</i>
1:10 - 1:55	Hypothyroidism: Current Diagnosis and Management Gilbert H. Daniels, MD
1:55 - 2:55	Thyroid Cancer: State of the Art in 2020 R. Michael Tuttle, MD
2:55 - 3:15	<i>Coffee/Tea (refreshments provided)</i>
3:15 - 4:00	Thyroid Disease and Pregnancy: A Comprehensive Update Gilbert H. Daniels, MD
4:00 - 4:30	Panel of Thyroid Specialists for Q & A Drs. Daniels, Ross and Tuttle

4:30 - 6:00 Workshops M1-M5 (choose one)

Challenging Calcium and Bone Cases ~ *Primary Care Focus* Melissa Putman, MD	M1
Hypoglycemia Deborah J. Wexler, MD	M2
Pediatric Endocrinology That an Adult Endocrinologist Should Know Takara Stanley, MD	M3
Challenging Reproductive Endocrine Cases Frances J. Hayes, MB BCh BAO, FRCPI	M4
Illustrative Cases of Thyroid Dysfunction Nikolaos Stathatos, MD	M5

Workshops of Particular Interest to Primary Care Providers

Primary Care Diabetes: Case-Based Discussion and Clinical Pearls (S2)

Challenging Calcium and Bone Cases (M1)

Lessons Learned from Challenging Thyroid Cases (T5)



Agenda

TUESDAY, MARCH 24 (Calcium and Bone)

7:15 - 8:00	Continental Breakfast
8:00 - 8:25	Hereditary Hyperparathyroidism: Illustrative Patient Cases Henry M. Kronenberg, MD
8:25 - 9:10	Primary Hyperparathyroidism 2020: A Comprehensive Update John P. Bilezikian, MD
9:10 - 9:20	Q & A Hyperparathyroidism Cases Drs. Bilezikian and Kronenberg
9:20 - 9:35	<i>Coffee/tea (refreshments provided)</i>
9:35 - 10:25	Hypocalcemia: Case-Based Diagnosis and Mechanisms Marie Demay, MD
10:25 - 10:40	Hypoparathyroidism: A Comprehensive Update on Guidelines and New Treatments Michael Mannstadt, MD
10:40 - 11:15	Optimizing Bone Health through Vitamin D, Nutrition and Exercise Sherri-Ann M. Burnett-Bowie, MD, MPH
11:15 - 12:10	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	<i>Break for lunch*</i>
1:25 - 1:55	Osteoporosis: Current Diagnostic Approaches Elaine W. Yu, MD
1:55 - 2:40	Osteoporosis: Treatment Strategies in 2020 Joy Tsai, MD
2:40 - 2:55	<i>Coffee/tea (refreshments provided)</i>
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	Osteoporosis Panel: Ask the Experts Drs. Leder, Tsai, and Yu

4:30 - 6:00 Workshops T1-T5 (choose one)

Calcium and Bone Disorder Cases Marc Wein, MD, PhD	T1
Management of Type 1 and Type 2 Diabetes in Pregnancy Camille E. Powe, MD	T2
Pituitary Case Discussion: Perspectives from an Endocrinologist and a Neurosurgeon Pamela Jones, MD, MS, MPH and Laura Dichtel, MD	T3
Topics in Male Reproduction: A Case-Based Approach Ravikumar Balasubramanian, MBBS, PhD, MRCP (UK)	T4
Lessons Learned from Challenging Thyroid Cases ~ *Primary Care Focus* Nikolaos Stathatos, MD	T5

WEDNESDAY, MARCH 25 (Diabetes)

7:15 - 8:00	Continental Breakfast
8:00 - 8:40	Modern Day Therapy and Results of Treatment of Type 1 Diabetes David M. Nathan, MD
8:40 - 9:15	Smart Pumping, Smart Pumps: Technology Management in Type 1 DM Enrico Cagliero, MD
9:15 - 9:55	Diabetes Clinical Genetics Miriam S. Udler, MD, PhD
9:55 - 10:15	<i>Coffee/tea (refreshments provided)</i>
10:15 - 10:55	Management of Type 2 Diabetes: Make New Friends, but Keep the Old David M. Nathan, MD
10:55 - 11:35	New Approaches to Type 2 Diabetes: How to Choose Next-Step Therapy Deborah J. Wexler, MD
11:35 - 12:00	Pulling It All Together: Diabetes and Obesity — Ask the Experts Diabetes Faculty
12:00 - 1:00	<i>Break for lunch*</i>
1:00 - 1:40	Obesity Management: A Practical Approach Paul Copeland, MD
1:40 - 2:20	State-of-the-Art Lipid Management Mason W. Freeman, MD
2:20 - 2:40	Diet and Dietary Counseling Drs. Copeland, Freeman and Wexler
2:40 - 3:00	<i>Coffee/tea (refreshments provided)</i>
3:00 - 3:30	Inpatient Diabetes Management: Evidence and Strategies John E. Godine, MD, PhD
3:30 - 3:55	Gestational Diabetes: How to Screen, Diagnose and Treat Marie-France Hivert, MD, MMSc
3:55 - 4:15	The Future of Type 1 Diabetes Treatment: The Artificial Pancreas Steven Russell, MD, PhD
4:15 - 4:30	Metabolic Mash-Up with the Afternoon's Experts Diabetes 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.



HARVARD
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CLINICAL ENDOCRINOLOGY 2020

March 21–25 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:

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



Register at Endocrinology.HMSCME.com



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Clinical Endocrinology 2020

Course #732585-2002

	Tuition	Register on or before January 31, 2020
Physicians	\$1,585	\$1,485 (SAVE \$100)
Allied Health Professionals	\$1,385	\$1,285 (SAVE \$100)
Residents and Fellows		\$985

Tuition includes all sessions, breakfasts, and morning and afternoon refreshment breaks. All attendees of Clinical Endocrinology 2020 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. **Please do not make non-refundable travel arrangements until you have received an email from our office confirming your paid registration.** 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 course 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

Fairmont Copley Plaza has reserved a block of discounted rooms for course participants.

Important to note:

- The number of discounted rooms is limited.
- Discounted rooms are available on a first-come, first-served basis.
- The discounted room rate is only available until February 26, 2020, or until the block sells out, which typically happens well in advance of this date.

To reserve your room:

- **Online:** To reserve your room online, please visit Endocrinology.HMSCME.com/Venue—the Venue page of the course website—and use the dedicated reservation link.
- **By phone:** If you are calling the hotel rather than using the dedicated link above to request a room, please call 1-800-441-1414 and specify that you are enrolled in HMS/MGH Clinical Endocrinology.

Register at Endocrinology.HMSCME.com