



HARVARD
MEDICAL SCHOOL

NEUROLOGICAL EMERGENCIES

OCT 23–24

2015

WALTHAM, MA

Updates and best practices to diagnose neurological emergencies and manage them in the first hours

The rapid focused evaluation of:

- Headache
- Vision problems
- Back pain
- Dizziness
- Coma
- Delirium

Algorithmic approaches to diagnosis

Stroke Bootcamp

- The first hours of workup
- NIH Stroke Scale
- Neuroimaging and treatment tips
- New data on intra-arterial therapy

When you need an MRI
(and when you don't)

Critical steps in the first hours:
emergency measures

Common, avoidable mistakes

What to do when time is limited



Register at NeuroEmergencies.HMSCME.com





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Dear Colleague,

We've all had the experience of seeing the dreaded "dizziness" or "back pain" chief complaint. Every day we go to work, we see patients with these symptoms and others, such as headache and weakness. There is precious little time to sort out which are the needles (patients with life- or limb-threatening emergencies) from the much larger haystack. Resources like real-time specialist consultation and MRI are limited. CT also has important constraints. And every year there is more literature on which aspects of the history and physical are most useful, but there are fewer hours to stay on top of it.

This course is designed for you. We summarize the state-of-the-art, evidence-based workup that helps frontline providers, including emergency physicians, hospitalists, neurologists, primary care providers and critical care physicians, to find that needle in the haystack, and we tell you what to do when you find it.

Our program is unique in that it:

- Consolidates best practices in the workup of common neurological complaints.
- Provides tips that you immediately put into practice.
- Lays out algorithms for common complaints such as headache, dizziness, back pain, and visual problems.
- Features a cutting-edge "Stroke Bootcamp." This comprehensive update includes first hours of workup, the NIH Stroke Scale, tips for rapid neuroimaging and treatment (including new data on intra-arterial therapy), and best practices in risk management.

You will come away from this immersive, two-day experience having updated your knowledge and ensured you are current with evidence-based, state-of-the-art practices. If you see patients with potential neurologic emergencies in your practice, you cannot afford to miss this course!

We look forward to seeing you in Boston in October.

Sincerely,

Jonathan A. Edlow, MD

Joshua N. Goldstein, MD, PhD



Beth Israel Deaconess
Medical Center



MASSACHUSETTS
GENERAL HOSPITAL

Who Should Attend

**Physicians, NPs, PAs,
and Nurses in the
fields of:**

- Emergency Medicine
- Urgent Care
- Primary Care
- Neurology
- Critical Care
- Hospital Medicine

Course Description

This course is designed to elevate the care of patients with acute neurological diagnoses. Because various time-dependent therapies exist, early diagnosis is important; however, in-person neurological consultation and real-time MRI are often unavailable in community settings. Although there are other courses in emergency medicine and on outpatient neurology, none focus exclusively on this area of intersection — acute neurological emergencies. We believe that our course is unique in its scope, and this year we have added several new lectures based on feedback from past course participants. We have designated large blocks of time for Q&A, which past course participants have requested and utilized. Many sessions focus on Risk Management issues such as headache and avoiding misdiagnosis of patients presenting with back pain.

Our goal is to improve the knowledge of clinicians so that they are better equipped to make an accurate diagnosis, facilitate their interactions with consultants, better understand the uses and limitations of neuroimaging tests and improve overall care to this group of patients.

Harvard Medical School Faculty

Imoigele Aisiku, MD, MSCR, MBA

Section Chief, Critical Care, Department of Emergency Medicine,
Brigham and Women's Hospital
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Maura Kennedy, MD, MPH

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Christopher S. Ogilvy, MD

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Professor of Neurosurgery, Harvard Medical School

Martin A. Samuels, MD

Chair, Department of Neurology, Brigham and Women's Hospital
Miriam Sydney Joseph Professor of Neurology,
Harvard Medical School

Kori Sauser, MD

Physician, Department of Emergency Medicine,
Massachusetts General Hospital
Instructor of Emergency Medicine, Harvard Medical School

Guest Faculty

Lauren Nentwich, MD

Assistant Professor, Boston University School of Medicine
Assistant Residency Program Director, Department of
Emergency Medicine, Boston Medical Center

Andrew D. Perron, MD

Professor, Tufts University School of Medicine
Residency Program Director, Department of Emergency
Medicine, Maine Medical Center

Matthew S. Siket, MD

Assistant Professor of Emergency Medicine,
Alpert Medical School of Brown University
Co-Director, Stroke Centers of Rhode Island Hospital and
The Miriam Hospital, Providence, RI

Course Directors



Jonathan A. Edlow, MD

Vice-Chair, Department of Emergency Medicine
Beth Israel Deaconess Medical Center
Professor of Medicine & Emergency Medicine, Harvard Medical School



Joshua N. Goldstein, MD, PhD

Director, Center for Neurologic Emergencies
Department of Emergency Medicine, Massachusetts General Hospital
Associate Professor of Emergency Medicine, Harvard Medical School

Learning Objectives

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

- Evaluate cutting-edge concepts regarding diagnostic algorithms for common chief complaints such as headache, back pain and dizziness.
- Determine the appropriate uses and limitations of brain imaging.
- Describe how to perform bedside diagnostic and therapeutic maneuvers in the dizzy patient.
- Discuss history and physical examination “red flags” to avoid misdiagnosis of cord and cauda equina compression in patients presenting with back pain.
- Implement diagnostic concepts into practice to reduce misdiagnosis of neurological emergencies — specifically, secondary causes of headache, cerebellar stroke and spinal cord and cauda equina compression.

Accreditation

The 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 *14.00 AMA PRA Category 1 Credits™*. Physicians should claim only credit commensurate with the extent of their participation in the activity.

This activity meets the criteria of the Massachusetts Board of Registration in Medicine for 1.50 credits of Risk Management Study. This includes 1.50 credits of Opioid Education and Pain Management Training. Please check your individual state licensing board requirements before claiming these credits.

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.

AMA PRA Category 1 Credits™ claimed by physicians attending live events certified and organized in the United States for *AMA PRA Category 1 Credits™* can be claimed through the agreement on mutual recognition of credits between UEMS and AMA, considered as being equal to the European Continuous Medical Education Credits (ECMEC®) granted by the UEMS. One *AMA PRA Category 1 Credit™* is equivalent to one (1) hour of European EACCME Credit (ECMEC®), therefore up to 14.00 ECMEC® Credits are available. Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

ACGME Competencies

This course is designed to meet the following Accreditation Council of Graduate Medical Education competencies: patient care, medical knowledge, and practice-based learning and improvement.

Reasons to Attend in 2015

Practitioners from around the world attend this course for:

- ▶ The right workup for dizziness (and why “what do you mean by dizzy” should not be your first question)
- ▶ Which patients with back pain need imaging (and which don’t)
- ▶ The eye exam for non-ophthalmologists — and how it will help you avoid serious misdiagnoses
- ▶ Medicolegal issues — avoiding misdiagnosis by appropriate imaging, not over-imaging
- ▶ How to evaluate and manage coma and delirium — the rapid focused workup
- ▶ Neuroimaging and neuroanatomy if you are not a neuroradiologist
- ▶ Current guidelines for workup and treatment of stroke and intracerebral hemorrhage
- ▶ Who is watching you and what are they saying? How *Consumer Reports* and Medicare rank you and publish your performance

Neurological Emergencies 2015

Friday, October 23

7:15-7:50	Continental Breakfast
7:30-7:50	Registration
7:50-8:00	Welcome and Introduction Jonathan A. Edlow MD & Joshua N. Goldstein, MD, PhD
8:00-9:00	Keynote Presentation: Diagnosis of the Comatose Patient Martin A. Samuels, MD
9:00-9:15	Q&A
9:15-9:45	Delirium in the Elderly Maura Kennedy, MD
9:45-10:00	Q&A
10:00-10:30	Causes of Headache You Cannot Miss Jonathan A. Edlow, MD
10:30-10:45	Q&A
10:45-11:00	<i>Snack and Networking Break</i>
11:00-11:30	Central Nervous System Infections Imoigele Aisiku, MD, MSCR, MBA
11:30-11:45	Q&A
11:45-12:15	Back Pain — Don't Miss Cord or Cauda Equina Compression Jonathan A. Edlow, MD
12:15-12:30	Q&A
12:30-1:00	Status Epilepticus — What's New? Imoigele Aisiku, MD, MSCR, MBA
1:00-1:15	Q&A
1:15-2:00	<i>Catered Lunch—Meet the Faculty</i>
2:00-3:00	Dizziness: A New Approach Jonathan A. Edlow, MD
3:00-3:15	Q&A
3:15-3:45	The Eyes Have It (Diplopia/Anisocoria/Ptoxis) Jonathan A. Edlow, MD
3:45-4:00	Q&A
4:00-4:15	<i>Snack Break with Ice Cream Bar</i>
4:15-4:45	Thinking Backwards — A Visual Approach to Neuroanatomy Jonathan A. Edlow, MD & Joshua N. Goldstein, MD, PhD
4:45-5:00	Q&A
5:00	Closing remarks

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.

Register at NeuroEmergencies.HMSCME.com

Neurological Emergencies 2015

Saturday, October 24 – Stroke Bootcamp

7:15-8:00	Continental Breakfast
7:30-8:00	Registration
8:00-8:45	Keynote Presentation: History and Future Treatment of Cerebral Aneurysms Christopher S. Ogilvy, MD
8:45-9:00	Q&A
9:00-9:30	Neuroimaging of Cerebrovascular Disease Andrew D. Perron, MD
9:30-9:45	Q&A
9:45-10:15	Intracerebral Hemorrhage — Navigating the New 2015 AHA Guidelines Joshua N. Goldstein, MD, PhD
10:15-10:30	Q&A
10:30-10:45	<i>Snack and Networking Break</i>
10:45-11:15	TIA Work-Up: Where/When/What? Matthew S. Siket, MD
11:15-11:30	Q&A
11:30-12:00	Ischemic Stroke — Tips for Rapid Decision Making Lauren Nentwich, MD
12:00-12:15	Q&A
12:15-1:00	<i>Catered Lunch—Meet the Faculty</i>
1:00-1:30	Acute Generalized Weakness Andrew D. Perron, MD
1:30-1:45	Q&A
1:45-2:15	Intra-Arterial Treatment of Stroke — Making Sense of a Flood of New Data Joshua N. Goldstein, MD, PhD
2:15-2:30	Q&A
2:30-3:00	Big Brother is Watching: Stroke Metrics and You Kori Sauser, MD
3:00-3:15	Q&A

The Conference Center at Waltham Woods
860 Winter Street • Waltham, MA 02451
781-434-7499

www.conferencecenteratwalthamwoods.com

Situated on the award-winning campus of the Massachusetts Medical Society, Waltham Woods offers excellent and abundant food, ample free parking, and complimentary internet access. Some of our country's founding historic sites are just up the road, and the sights, arts, dining and commerce of Boston are easily accessible by public transportation.



Register at NeuroEmergencies.HMSCME.com

REGISTRATION INFORMATION

Register at NeuroEmergencies.HMSCME.com

Neurological Emergencies 2015 • October 23–24 • Waltham, MA • Course #734470-1601

	Tuition
Physicians	\$595
Trainees/Allied Health Professionals	\$495

Tuition includes breakfasts, lunches, snacks with ice cream bar, parking, and internet access. All attendees will receive a flash drive containing course materials. All fees shown in USD.

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 the end of the registration process you will have the choice of paying by check or credit card (Visa, MasterCard or American Express). If you are paying by check, 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.

Upon receipt of your paid registration, an email confirmation from the HMS DCE 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 postal mail, email, or fax. 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.

Accommodations

A limited number of rooms have been reserved at the Courtyard Marriott, 387 Winter Street, Waltham, MA. Reservations will be honored until September 24, 2015 for the discounted rate of \$179 per night. Please call 1-866-296-2285 to reserve a room, and be sure to specify that you are enrolled in the course Neurological Emergencies to receive the reduced room rate.

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



Questions? Call 617-384-8600 Monday-Friday 9am – 5pm (EST) or send email to hms-cme@hms.harvard.edu



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Disclosure Policy

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