

HARVARD MEDICAL
FACULTY PHYSICIANS

AT BETH ISRAEL DEACONESS
MEDICAL CENTER



HARVARD
MEDICAL SCHOOL

THE INSTITUTE FOR
EMERGENCY DEPARTMENT
CLINICAL QUALITY
IMPROVEMENT

Neurological Emergencies

27-28 April 2023

Grand Hotel Baglioni, Florence, Italy

www.EDQualityInstitute.org

Learn with Harvard Medical School professors,
and world-renowned neuro emergencies experts,
Drs. Jonathan Edlow and Joshua Goldstein, as they
take a version of their lauded annual course to
Europe for the first time!

Relevant for clinicians working in:

- Emergency Medicine
- Inpatient and Outpatient Neurology
- Critical Care
- Hospital Medicine
- Urgent Care
- Internal/Family Medicine

Come early and attend our ED Quality Improvement Professional Certification Course, 24-26 April. \$400 discount for participants attending both courses.

The Institute for Emergency Department Clinical Quality Improvement Promoting excellence in emergency department operations, clinical quality, and patient safety through a commitment to quality improvement, clinical education, international collaboration, and research

Offered by

Beth Israel Deaconess
Medical Center



MASSACHUSETTS
GENERAL HOSPITAL

Course Description

Neurological Emergencies is a 2-day, 16-hour course that provides updates, best practices, and new algorithms to diagnose neurological symptoms, quickly identify a neurological emergency, and take appropriate measures to optimize outcomes for high-risk patients. The goal of this course is to prepare clinicians to quickly and accurately diagnose and provide appropriate care for patients with neurological emergencies, including:

- **High-frequency symptoms** Headache, back pain, dizziness, diplopia
- **High-risk conditions** Acute ischemic stroke, subarachnoid hemorrhage, traumatic brain injury, coma, and intracerebral hemorrhage

Neurological Emergencies is delivered by the Department of Emergency Medicine at Harvard Medical Faculty Physicians at Beth Israel Deaconess Medical Center (BIDMC), in collaboration with Massachusetts General Hospital, Department of Emergency Medicine.

Key Course Features

Course participants will learn from world-renowned experts in emergency medicine and neurology. The course, facilitated by faculty from Harvard Medical School, Beth Israel Deaconess Medical Center, Massachusetts General Hospital, and other international experts, will use presentations and interactive Q&A sessions to address the following educational areas:

- A history of BPPV and vestibular migraine
- Best practices for using the focused history and physical to determine which patients with headache or minor head injury require neuroimaging or further workup
- An algorithmic approach to evaluating back pain to avoid missing cord or cauda equina compression
- The newest approaches to treating TIA and ischemic and hemorrhagic stroke
- Updates to diagnose and manage the comatose patient
- A new paradigm to diagnose dizziness
- Advances in the management of seizures
- Practical approaches to bedside neuro-ophthalmology
- Use of POCUS in eye and brain emergencies



We Are Live Again ~ Join Us in Florence!

The course will be held at the Grand Hotel Baglioni located in Florence's city center. Discounted room rates are available for all EQuIP attendees.

Please visit edqualityinstitute.cventevents.com/NeuroEmerg23

COURSE DIRECTORS

Jonathan Edlow, MD

Professor of Medicine and Emergency Medicine, Harvard Medical School; Chairman, SAEM's GRACE-3 Clinical Guideline on Acute Dizziness

Joshua N. Goldstein, MD, PhD

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

Keynote Speaker: David S. Zee, MD

Professor, Departments of Neurology, Ophthalmology, Otolaryngology-Head and Neck Surgery, and Neuroscience, Division of Neuro-Visual and Vestibular Disorders, The Johns Hopkins Hospital

FACULTY

Jonathan Rosand, MD, MSC

Managing Co-Director and Co-Founder, Henry and Allison McCance Center for Brain Health, Massachusetts General Hospital (MGH); J. P. Kistler Endowed Chair and Former Chief of Neurocritical Care and Emergency Neurology, MGH; Associate Member, Broad Institute of MIT and Harvard; Professor of Neurology, Harvard Medical School

Onyinyechi Eke, MD

Director, Global Ultrasound, Department of Emergency Medicine, Massachusetts General Hospital

Nicole Dubosh, MD

Director of Undergraduate Medical Education, BIDMC; Medical Education Fellowship Director, BIDMC; Director of Education Research, Department of Emergency Medicine, BIDMC; Assistant Professor of Emergency Medicine, Harvard Medical School

Latha Ganti, MD, MS, MBA

Professor, Emergency Medicine & Neurology & Research Director, UCF Osceola Emergency Medicine Residency Program

Nina Gentile, MD

Professor, Emergency Medicine, Lewis Katz School of Medicine at Temple University; Research Director, Department of Emergency Medicine, Lewis Katz School of Medicine at Temple University

Andrea Morotti, MD

Clinical Neurologist, Neurology Unit, Department of Neurological Sciences and Vision, ASST Spedali Civili, Brescia, Italy

Simone Vanni, MD, PhD

Director, Emergency Medicine at Ospedale San Giuseppe in Empoli, Italy; Director, National Study Center, Italian Society of Emergency Medicine (SIMEU)

Program

DAY 1: Thursday, April 27

- 8:00–8:30 Registration and Welcome Coffee
- 8:30–8:45 **Welcome and Introduction**
Jonathan Edlow, MD, and
Joshua N. Goldstein, MD, PhD
- 8:45–9:45 **Keynote: A History of BPPV and Vestibular Migraine – How the Practice of Medicine Can Move Us Forward or Keep Us Ignorant**
David S. Zee, MD
- 9:45–10:00 **Interactive Q&A**
- 10:00–11:00 **Dizziness: A New Evidence- Based Algorithm**
Jonathan Edlow, MD
- 11:00–11:15 **Interactive Q&A**
- 11:15–11:35 Coffee Break
- 11:35–12:05 **Status Epilepticus**
Simone Vanni, MD
- 12:05–12:20 **Interactive Q&A**
- 12:20–12:50 **Headache 101: Avoiding Misdiagnosis**
Jonathan Edlow, MD
- 12:50–13:00 **Interactive Q&A**
- 13:00–14:00 Lunch, Hotel Baglioni Rooftop Restaurant
- 14:00–14:30 **Coma – The Initial Evaluation and When to Call Brain Death**
Jonathan Rosand, MD, MSC
- 14:30–14:45 **Q&A**
- 14:45–15:15 **Diagnosis of Subarachnoid Hemorrhage**
Nicole Dubosh, MD
- 15:15–15:30 **Interactive Q&A**
- 15:30–16:00 **Traumatic Brain Injury**
Joshua N. Goldstein, MD, PhD
- 16:00–16:15 **Interactive Q&A**
- 16:15–16:35 Coffee Break
- 16:35–17:20 **Neurological QA: Lessons Learned from Mistakes**
All faculty
- 17:30 Welcome Reception, Hotel Baglioni Rooftop Restaurant

DAY 2: Friday, April 28

- 8:00–8:25 Welcome Coffee
- 8:25–8:30 **Welcome back and Introduction**
Jonathan Edlow, MD, and
Joshua N. Goldstein, MD, PhD
- 8:30–9:30 **Keynote: Back Pain – Clinical Pathway of Who to Evaluate and When**
Jonathan Edlow, MD
- 9:00–9:45 **Interactive Q&A**
- 9:45–10:15 **Intracerebral Hemorrhage: The First Hours**
Joshua N. Goldstein, MD, PhD
- 10:15–10:30 **Interactive Q&A**
- 10:30–10:50 Coffee Break
- 10:50–11:20 **Updates on Revascularization: IV Thrombolytics and Endovascular Therapy**
Nina Gentile, MD
- 11:20–11:35 **Interactive Q&A**
- 11:35–12:05 **CNS Infections**
Andrea Morotti, MD
- 12:05–12:20 **Interactive Q&A**
- 12:20–12:50 **POCUS on the Brain**
Onyinyechi Eke, MD
- 12:50–13:00 **Interactive Q&A**
- 13:00–14:00 Lunch, Hotel Baglioni Rooftop Restaurant
- 14:00–14:30 **Transient Ischemic Attack: Preventing Stroke**
Andrea Morotti, MD
- 14:30–14:45 **Interactive Q&A**
- 14:45–15:15 **Atypical Stroke Syndromes: Avoiding Misdiagnosis**
Latha Ganti, MD
- 15:15–15:30 **Interactive Q&A**
- 15:30–15:50 Coffee Break
- 15:50–16:20 **Neuro-Ophthalmology at the Bedside**
Jonathan Edlow, MD
- 16:20–16:35 **Interactive Q&A**
- 16:35–17:20 **Neurological QA: Lessons Learned from Mistakes**
All faculty

Course Objectives

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

- Articulate how to perform bedside diagnostic and therapeutic maneuvers in the dizzy patient
- Use focused history and physical to determine which patients with headache or minor head injury require neuroimaging or further workup
- Use clinical “red flags” to avoid misdiagnosis of cord and cauda equina compression in patients with back pain
- Discuss how to rapidly evaluate patients with stroke symptoms for intravenous and intraarterial revascularization therapy.



Jonathan Edlow, MD

METHODOLOGY

Our course includes didactic presentations and case discussions to provide participants with valuable clinical knowledge and quality process skills. The didactic sessions will provide current best practices in diagnosis and treatment, improving learner competence by providing current best evidence for evaluation of neurologic symptoms and current best practices for using known therapies and treatments.



Joshua N. Goldstein, MD, PhD

WHO SHOULD PARTICIPATE?

This course will primarily benefit physicians and nurses from emergency medicine, inpatient and outpatient neurology, primary care, critical care, hospital medicine, urgent care and internal/family medicine.

CERTIFICATES & CME CREDIT

Participants are eligible for the following:

- Participants completing attendance requirements at the conclusion of the program will be granted a **Certificate of Program Completion** from The Institute for Emergency Department Clinical Quality Improvement, based at The Department of Emergency Medicine at Harvard Medical Faculty Physicians at Beth Israel Deaconess Medical Center, a Harvard Medical School teaching hospital, as well as Massachusetts General Hospital.
- An application for CME credits has been made to the **European Accreditation Council for Continuing Medical Education (EACCME®)**. Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity. See website on how to convert of credits for US and Canadian Physicians.



Registration

Visit www.EDQualityInstitute.org to register.

Email us at info@EDQualityInstitute.org for information on group discounts.

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