

HARVARD MEDICAL
FACULTY PHYSICIANS
AT BETH ISRAEL DEACONESS
MEDICAL CENTER



THE INSTITUTE FOR
EMERGENCY DEPARTMENT
CLINICAL QUALITY
IMPROVEMENT

Offered by

Beth Israel Deaconess
Medical Center



MASSACHUSETTS
GENERAL HOSPITAL

Neurological Emergencies

19-20 May 2022

Interactive virtual CME course — Live Streamed from Boston

www.EDQualityInstitute.org



Join us May 16-18 for our **ED Quality Improvement
Professional Certification Course**
—discounted registrations

Learn with Harvard Medical School professors, and world-renowned neuro emergencies experts,
Dr. Jonathan Edlow and Joshua Goldstein, as they offer this course for an 11th year!

Who Should Attend— PHYSICIANS, NPs, PAs, APNs in:

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

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.

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, in collaboration with Massachusetts General Hospital, Department of Emergency Medicine. This course is relevant for clinicians working in emergency medicine, inpatient and outpatient neurology, critical care, hospital medicine, urgent care, and internal/family 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:

- History and future of stroke care
- 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 and correct diagnosis of posterior circulation stroke.

Course Directors

Jonathan Edlow, MD

Professor of Medicine and Emergency Medicine, Harvard Medical School
Co-Director, The Institute for ED Clinical Quality Improvement

Joshua N. Goldstein, MD, PhD

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

Faculty

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 Unit, Ospedale San Giuseppe, Empoli, Italy
Adjunct Professor, Medical-Surgical Emergencies, University of Florence
Director, Emergency Medicine Training and Simulation Center, Local Healthcare Authority, Central Tuscany, Italy

Join us for an interactive virtual course — live from Boston!

DAY 1: Thursday, May 19

- 7:00–7:15 **Welcome and Introduction**
Jonathan A. Edlow, MD & Joshua N. Goldstein, MD, PhD
- 7:15–7:55 **Keynote: Perspective in the History & Future of Stroke Care in Europe & Beyond**
Jonathan Edlow, MD
- 7:55–8:05 **Q&A**
- 8:05–9:05 **Dizziness: A New Evidence-Based Algorithm**
Jonathan A. Edlow, MD
- 9:05–9:20 **Q&A**
- 9:20–9:35 **Mental Break**
- 9:35–10:05 **Treating Dizziness – Vestibular Maneuvers**
Simone Vanni, MD
- 10:05–10:20 **Q&A**
- 10:20–10:50 **Headache 101: Avoiding Misdiagnosis**
Jonathan A. Edlow, MD
- 10:50–11:05 **Q&A**
- 11:05–11:20 **Mental Break**
- 11:20–11:50 **Coma – The Initial Evaluation. And What Not to Miss.**
Joshua N. Goldstein, MD, PhD
- 11:50–12:05 **Q&A**
- 12:05–12:40 **Back pain – Clinical pathway of who to evaluate and when.**
Jonathan A. Edlow, MD
- 12:40–12:55 **Q&A**
- 12:55–13:25 **Traumatic Brain Injury**
Joshua N. Goldstein, MD
- 13:25–13:40 **Q&A**
- 13:40–13:55 **Mental break**
- 13:55–14:30 **Neuro-Ophthalmology at the Bedside**
Jonathan A. Edlow, MD
- 14:30–14:45 **Q&A**
- 14:45–15:45 **Neurological QA: Lessons Learned from Mistakes**
Jonathan A. Edlow MD & Joshua N. Goldstein, MD, PhD

DAY 2: Friday, May 20

- 7:00–7:10 **Welcome and Introduction**
- 7:10–7:40 **CNS Infections**
Andrea Morotti, MD
- 7:40–7:55 **Q&A**
- 7:55–8:25 **Intracerebral Hemorrhage: The First Hours**
Joshua N. Goldstein, MD, PhD
- 8:25–8:40 **Q&A**
- 8:40–9:10 **Updates on Revascularization – IV Thrombolytics and Endovascular Therapy**
Nina Gentile, MD
- 9:10–9:25 **Q&A**
- 9:25–9:40 **Mental Break**
- 9:40–10:10 **Diagnosis of Subarachnoid Hemorrhage**
Jonathan A. Edlow, MD
- 10:10–10:25 **Q&A**
- 10:25–10:55 **The NIHSS – How to Do It and Practical Insights**
Latha Ganti, MD
- 10:55–11:10 **Q&A**
- 11:10–11:25 **Mental Break**
- 11:25–11:55 **Transient Ischemic Attack: Preventing Stroke**
Andrea Morotti, MD
- 11:55–12:10 **Q&A**
- 12:10–12:40 **Atypical Stroke Syndromes: Avoiding Misdiagnosis**
Latha Ganti, MD
- 12:40–12:55 **Q&A**
- 12:55–13:25 **Diagnosis of Posterior Circulation Stroke – Real-life Lessons from Real-live Cases**
Jonathan A. Edlow, MD
- 13:25–13:40 **Q&A**
- 13:40–13:55 **Mental Break**
- 13:55–14:55 **Case Discussions: Medico-legal Cases with Roundtable Discussion of Differences between the US and Italy**
Jonathan Edlow, MD, Andrea Morotti, MD, Latha Ganti, MD

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.
- This course has been accredited by the **European Accreditation Council for Continuing Medical Education (EACCME®)** with 13 European CME credits (ECMEC®s). 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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