

HARVARD MEDICAL
FACULTY PHYSICIANS
AT BETH ISRAEL DEACONESS
MEDICAL CENTER



THE INSTITUTE FOR
EMERGENCY DEPARTMENT
CLINICAL QUALITY
IMPROVEMENT

Neurological Emergencies for Clinical Quality

18-19 April 2020

Grand Hotel Baglioni, Florence, Italy

www.EDQualityInstitute.org

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:

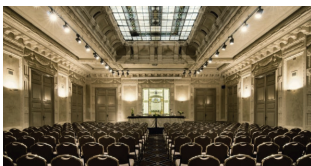
- **High-frequency symptoms:** Headache, back pain, dizziness, diplopia
- **High-risk conditions:** Acute ischemic stroke, subarachnoid hemorrhage, traumatic brain injury, coma, and intracerebral hemorrhage.

Neurological Emergencies is delivered by the Department of Emergency Medicine at Harvard Medical Faculty Physicians at Beth Israel Deaconess Medical Center, 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.



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 attendees.



Course Program

DAY 1 – SATURDAY, APRIL 18

- 8:00–8:20** Course Registration & Welcome Coffee
- 8:20–8:30** Welcome and Introduction
- 8:30–9:20** Keynote: Perspective in the History & Future of Stroke Care in Europe & Beyond
- 9:20–10:30** Dizziness: A New Evidence-Based Algorithm
- 10:45–11:25** Seizures and Pseudoseizures in the Emergency Setting
- 11:25–12:05** Headache 101: Avoiding Misdiagnosis
- 12:05–1:00** Lunch: Hotel Baglioni Rooftop Restaurant
- 1:00–1:40** Coma and Altered Mental Status: The Initial Evaluation
- 1:40–2:25** Back Pain: Clinical Pathway of Who to Evaluate and When
- 2:25–3:05** Traumatic Brain Injury
- 3:20–4:00** Neuro-Ophthalmology at the Bedside
- 4:00–5:00** Neurological QA: Lessons Learned from Mistakes

DAY 2 – SUNDAY, APRIL 19

- 8:00–8:30** Welcome Coffee
- 8:30–9:20** Central Nervous System (CNS) Infections
- 9:20–10:00** Atypical Stroke Syndromes: Avoiding Misdiagnosis
- 10:00–10:40** Updates on Revascularization: IV Thrombolytics and Endovascular Therapy
- 10:55–11:35** Diagnosis of Subarachnoid Hemorrhage
- 11:35–12:15** The NIHSS: How to Do It and Practical Insights
- 12:15–1:15** Lunch: Hotel Baglioni Rooftop Restaurant
- 1:15–1:55** Transient Ischemic Attack: Preventing Stroke
- 1:55–2:35** Intracerebral Hemorrhage: The First Hours
- 2:35–3:15** Diagnosis of Posterior Circulation Stroke: Real-Life Lessons from Real-Life Cases
- 3:30–4:30** Roundtable: Discussion of Real Medico-legal Cases

Course Faculty

Jonathan Edlow, MD

*Vice-Chair, Emergency Medicine, BIDMC
Professor, Medicine & Emergency
Medicine, Harvard Medical School*

Joshua N. Goldstein, MD, PhD, FAAEM, FNCs

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

Prof. Domenico Inzitari, MD

*Professor Emeritus, Neurology,
University of Florence, Italy*

Andrea Morotti, MD

*Clinical Neurologist, National
Neurological Institute C. Mondino,
Pavia, Italy*

Kiersten Gurley, MD

*Assistant Director, ED Quality, BIDMC
Clinical Instructor, Emergency Medicine,
Harvard Medical School*

Course Objectives

Upon completion of this activity, participants will be able 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.

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.

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 has been made to UEMS/EACCME for **CME accreditation** of this event. EACCME has joint recognition with the AMA for US physicians and RCPS for Canadian physicians.

Course Registration

Visit www.EDQualityInstitute.org to register.

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

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