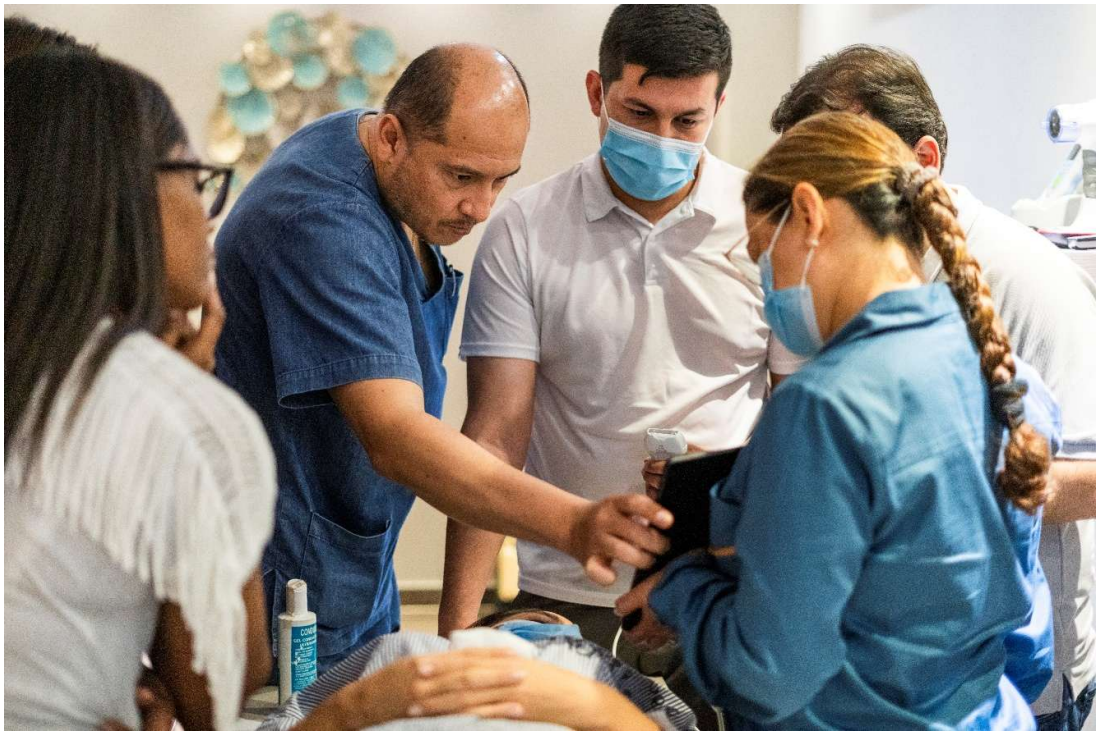
Course Program

Global Neuro Basic Neurotrauma Course for Emergency Providers

28 January 2026

Doha, Qatar



Course description

This course covers the most current strategies and considerations for the management of neurotraumatized patients in pre-hospital settings and emergency departments. The course content is delivered through didactic lectures, presentation and discussion of clinical cases, and practical exercises (demonstrations) that enable participants to apply management principles to the care of these patients.

Target participants

This course is designed for all members of the emergency medical system involved in neurotrauma care, both at the pre-hospital level (including emergency call center operators/dispatchers, paramedics, emergency vehicle drivers, first responders, firefighters, among others) and at the in-hospital level (including nursing staff, emergency physicians, trauma surgeons, neurosurgeons, intensivists, resident physicians, and other emergency healthcare providers). The course is intended for professionals who participate in the critical phases of neurotrauma care (scene management, transport, and emergency department care) and who have a strong interest in comprehensive and interdisciplinary patient management..

Goal of the Course

This course provides essential concepts, recommendations, and core competencies for the comprehensive care of patients with neurotrauma in settings with varying levels of available resources. It places special emphasis on guidelines and protocols for neurotrauma management developed on the basis of the best available scientific evidence. In addition, the course presents proposed protocols for the care of patients with traumatic brain injury in environments with differing resource levels.

Learning objectives

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

- Identify key data on the global impact of neurotrauma in terms of mortality and associated disability.
- Recognize critical elements of guidelines and recommendations for the organization of emergency medical systems for neurotrauma care.
- Correlate principles of nervous system anatomy and physiology with potential pathophysiological mechanisms in traumatic cranial and spinal injuries, in order to identify key aspects of neurotrauma management.
- Understand basic and advanced non–invasive monitoring systems and their clinical utility in patients with traumatic brain and spinal injuries.
- Describe the essential interventions that pre–hospital and emergency care teams must perform as general measures in patients with traumatic brain injury and/or spinal injury.
- Describe emergency department care protocols for patients with traumatic brain injury in basic emergency departments, identifying the different recommended interventions

Course Chair



Andrés M. Rubiano
University of El Bosque
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Ruben Peralta
Hamad Medical Corporation
Doha, Qatar

National Faculty

Airton	Leonardo	Hamad Medical Corporation	Doha, Qatar
Ali	Msheik	Hamad Medical Corporation	Doha, Qatar

Wednesday, January 28th, 2026

TIME	AGENDA	SPEAKER
07:00–07:30	Registration	
07:30–08:00	Introduction—Anatomy and Physiology for Neurotrauma	A Rubiano / R Peralta / A Leonardo / A Msheik
08:00–08:15	CBI–M Classification in Neurotraum	A Rubiano
08:15–08:30	WSES Recommendations for the Management of TBI & Polytrauma in the first 24th hours	R Peralta / A Msheik
08:30–08:45	Fluid Resuscitation in Neurotrauma	A Leonardo
08:45–09:00	Non–Invasive Monitoring in TBI: The ICONIC Consensus	A Rubiano
09:00–09:30	**Coffee Break**	
09:30–11:30	Neurotrauma Monitoring Lab	
09:30–10:30	Group 1 Pupillometry and ICH Detection by NIRS R Peralta / A Msheik	Group 2 Optic Nerve Ultrasound and Non–Invasive ICP Waveform Analysis A Rubiano / A Leonardo
10:30–11:30	Group 2 Optic Nerve Ultrasound and Non–Invasive ICP Waveform Analysis A Rubiano / A Leonardo	Group 1 Pupillometry and ICH Detection by NIRS R Peralta / A Msheik
11:30–12:00	Case Discussion, Q&A Case 1 (TBI and Coagulopathy) Case 2 (Polytrauma and TBI) Case 3 (Intracranial Compartment Syndrome)	Moderator: A Rubiano / R Peralta R Peralta A Leonardo A Rubiano
12:00–13:00	**Closure & Lunch**	All faculty

Event Venue

Hamad Medical Simulation Center,
Doha, Qata



Event Organization

Global Neuro Foundation
Clavadelerstrasse 1
7270 Davos,
Switzerland

General information

Registration

Free of charge

Click on the registration link below to register for the course:
https://globalneuro.org/EN/education/event-detail/113.html

Dress code

Casual

Language

English

No insurance

The event organization does not take out insurance to cover any individual against accidents, theft, or other risks.

Security

Security checks may be conducted at the entrance of the building. Wearing a name tag is compulsory during lectures, practical exercises, and group discussions.

Mobile phone use

The use of mobile phones is not allowed in the lecture halls and other rooms during educational activities. Please be considerate of others by turning off your mobile phone.

Intellectual property

Event materials, presentations, and case studies are the intellectual property of the event faculty. All rights are reserved. Check hazards and legal restrictions on www.globalneuro.org/legal
Recording, photographing, or copying of lectures, practical exercises, case discussions, or any course materials is strictly forbidden. Participants violating intellectual property will be dismissed.
The Global Neuro Foundation reserves the right to film, photograph, and audio record during their events. Participants must understand that in this context, they may appear in these recorded materials. The Global Neuro Foundation assumes participants agree that these recorded materials may be used for Global Neuro marketing and other purposes and made available to the public.

Global Neuro Foundation—Principles of Educational Events

1) Academic independence

Development of all curricula, design of scientific event programs, and selection of faculty are the sole responsibilities of volunteer surgeons from the Global Neuro network. All education is planned based on needs assessment data, designed and evaluated using concepts and evidence from the most current medical education research, and involving the expertise of the Global Neuro Education Institute (www.globalneuro.org).

Industry participation is not allowed during the entire curriculum development and planning process to ensure academic independence and to keep content free from bias.

2) Compliance to accreditation and industry codes

All planning, organization, and execution of educational activities follow existing codes for accreditation of high-quality education:

- Accreditation Criteria of the Accreditation Council for Continuing Medical Education, USA (www.accme.org)
- ACCME Standards for Commercial Support: Standards to Ensure Independence in CME Activities (www.accme.org)
- Criteria for Accreditation of Live Educational Events of the European Accreditation Council for Continuing Medical Education (www.uems.eu)
- Events that receive direct or indirect unrestricted educational grants or in-kind support from industry also follow the ethical codes of the medical industry, such as:
  - Eucomed Guidelines on Interactions with Healthcare Professionals (www.medtecheurope.org)
  - AdvaMed Code of Ethics on Interactions with Health Care Professionals (www.advamed.org)
  - Mecomed Guidelines on Interactions with Healthcare Professionals (www.mecomed.org)

3) Branding and advertising

No industry logos or advertising (with the exception of the Global Neuro Foundation) are permitted in the area where educational activities take place. Sponsors providing financial or in-kind support are allowed to have a promotional booth or run activities outside the educational area with approval from the event chairperson.

4) Personnel

Industry staff are not allowed to interfere with the educational content or engage in educational activities during the event.