

Program

# Global Neuro Symposium – Innovations on Prehospital Care in Neurotrauma at ICRAN 2024

29 February, 2024

Jaipur, India



## Symposium description

This event covers new trends and strategies for the prehospital management of neurotrauma patients at different resource levels but focuses on low-resource environments. The event consists of short theoretical lectures, discussion of clinical cases and practical exercises (demonstrations) that allow the student to integrate the principles of care recommended for these patients.

## Target participants

This symposium has been developed for all members of the emergency medical system, both prehospital (emergency telephone operators, paramedics, emergency vehicle drivers, first responders, firefighters, among others) and in-hospital (nursing staff, emergency physicians and trauma surgeons, neurosurgeons, intensivists, resident physicians and other emergency room care providers) who are involved in the critical phases of prehospital neurotrauma care (scene of an emergency), and who, in turn, have a strong interest in comprehensive and interdisciplinary patient care.

## Goal of the Symposium

This symposium provides fundamental concepts, recommendations, skills, and abilities for the comprehensive care of neurotrauma patients in areas with limited resources. Special emphasis is placed on the guidelines and protocols for the management of neurotrauma, developed from the best available scientific evidence. Additionally, it discusses proposed protocols for the care of patients with brain injuries in areas with limited resources.

## Learning objectives

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

- Understand the pathophysiology of neurotrauma and its management through established models (protocols, guidelines).
- Understand the treatment options for neurotrauma in prehospital and emergency room care and when to apply them (airway, resuscitation, immobilization).
- Understand medical follow-up and management of neurotrauma at the scene and during transport.
- Apply the principles of neurotrauma care in the emergency room.
- Identify care protocols with proposals for emerging innovations in the field, identifying the interventions suggested in areas with limited resources.

## Symposium Director



Andres M. Rubiano  
El Bosque University  
Bogotá, Colombia

## Symposium Co-Chair

Mario Ganau  
Oxford University Hospital  
Oxford, United Kingdom

## Symposium Local Co-Chair

Virendra Sinha  
Santokba Durlabhji Memorial Hospital  
Jaipur, India

## International Faculty

Corrado Iaccarino	University of Modena and Reggio Emilia	Modena	Italy
Andrew Reisner	Emory University	Atlanta	USA
Amos Adeleye	University of Ibadan	Ibadan	Nigeria

## Local Faculty

Deepak Gupta	All India Institute of Medical Sciences	New Delhi	India
Amit Agrawal	All India Institute of Medical Sciences	Bhopal	India
Indira Devi	National Institute of Mental Health and Neuro Sciences	New Delhi	India

February 29<sup>th</sup>, 2024

TIME	AGENDA	SPEAKER
14:00–15:00	Registration	
15:00–15:10	Welcome and event objectives	Rubiano AM
15:10–15:20	Introduction of WFNS	Reisner A
15:20–15:35	EMS Impact on Prehospital TBI Outcomes	Sinha VD
15:35–15:50	Review of New Trends in Guidelines and Protocols	Rubiano AM
15:50–16:05	The Utility of Biomarkers in Traumatic Brain Injuries in Children: Opportunities and Challenges	Reisner A
16:05–16:20	Role of NIRS in Neurotrauma Triage at Prehospital Level	Rubiano AM
16:20–16:35	Role of ONSD and Pupillometry Techniques in Prehospital TBI Diagnosis and Management	Adeleye A.
<b>16:35–16:50</b>	<b>COFFEE BREAK</b>	
16:50–17:05	Traditional Strategies for Evidence Based Prehospital Care in TBI	Ganau M
17:05–17:30	<p><b>INTERACTIVE CASE PANEL</b> <i>(5 min presentation + 5 min discussion)</i></p> <p><b>Case 1:</b> Approach to the polytraumatized patient in a basic ambulance.</p> <p><b>Case 2:</b> Management of Pediatric Severe TBI Patients in Advanced Prehospital Settings; The Utility of Guidelines</p>	<p><b>Moderators:</b> Agrawal A / Ganau M. Gupta D</p> <p>Reisner A</p>
17:30 –18:10	<p><b>SKILLS STATION</b> <i>(20 min each)</i></p> <p><b>Station 1:</b> NIRS in Neurotrauma</p> <p><b>Station 2:</b> Pupillometry and ONSD in Neurotrauma</p>	<p><b>Moderators:</b> Iaccarino C / Sinha VD</p> <p>Rubiano A / Gupta D.</p> <p>Devi I / Adeleye A</p>
<b>18:10–18:20</b>	<b>Concluding Remarks and Certification</b>	

## Event Venue

Swarn Mahal Hall at Hotel Clarks Amer  
Jawahar Lal Nehru Marg,  
Jaipur, Rajasthan,  
India, 302018

## Event Organization

Global Neuro Foundation  
Clavadelerstrasse 1  
7270 Davos,  
Switzerland

## General information

### Registration

Click on the registration link below to register for the Symposium:  
<https://icran2024.com/Home/Workshop>

### 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](http://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](http://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](http://www.accme.org))
- ACCME Standards for Commercial Support: Standards to Ensure Independence in CME Activities ([www.accme.org](http://www.accme.org))
- Criteria for Accreditation of Live Educational Events of the European Accreditation Council for Continuing Medical Education ([www.uems.eu](http://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](http://www.medtecheurope.org))
  - AdvaMed Code of Ethics on Interactions with Health Care Professionals ([www.advamed.org](http://www.advamed.org))
  - Mecomed Guidelines on Interactions with Healthcare Professionals ([www.mecomed.org](http://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.