

## Event program

# Global Neuro Course—Neurotrauma

4-5 April, 2025, Davos, Switzerland

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### Event description

This course covers the current best strategies and considerations for managing neurotrauma patients and is based on competencies defined in Global Neuro’s curriculum. It is organized by Global Neuro as a practical course for residents with interest in neurotrauma, focusing on cranial and spinal trauma. The content is delivered using multiple methods: Comprehensive lectures concentrate on the understanding of core material. Interactive case presentations further deepen this knowledge and enrich the discussion on trauma management. Practical sessions teach the application of Global Neuro principles to the management of Neurotrauma.

### Target participants

The course has been developed for the following physicians at all levels of their careers:

- Neurosurgeons
- Orthopedic and Trauma Surgeons
- Spine surgeons
- Critical care physicians
- Neurologists
- Neurosurgery and critical care nurses
- Translational researchers interested in learning about clinical aspects of neurotrauma

### Goal of the event

The Global Neuro Course—Neurotrauma covers the theoretical basis and practical principles for managing traumatic brain and spine injuries and making proper decisions in daily clinical practice.

## Event objectives

Upon completion of the program, participants will be better able to:

- Review basic science and clinical translational advances in traumatic brain injury, cranial trauma, and spinal cord injury
- Apply evidence-based-decision making to the management of patients with TBI and SCI
- Select the best operative and non-operative treatment for each patient
- Discuss advances in the critical and neurocritical care of TBI in adults and children
- Assess and manage patients with spinal trauma and spinal cord injury based on current guidelines

# Faculty

## Course Chairs

Raphael Guzman      Universitätsspital Basel      Basel, Switzerland

## Course Directors

Nader Hejrati      Kantonsspital St. Gallen      St. Gallen, Switzerland  
Lorenzo Bertulli      Kantonsspital St. Gallen      St. Gallen, Switzerland  
Marialaura Giamundo      Kantonsspital Aarau      Aarau, Switzerland

## Faculty

Mario Ganau      University of Oxford      Oxford, UK  
Amir El Rahal      Universitätsklinikum Freiburg      Freiburg, Germany  
Maria Licci      Universitätsspital Basel      Basel, Switzerland  
Arne Mehrkens      Universitätsspital Basel      Basel, Switzerland  
Armin Curt      Universitätsklinik Balgrist      Zürich, Switzerland  
Werner Z'Graggen      Neurosurgery and Neurology Clinics of the  
    Inselspital      Bern, Switzerland  
  
Christian Zweifel      Kantonsspital Chur      Chur, Switzerland  
Giovanni Raffa      Universita' degli Studi Messina      Messina, Italy  
Bart Depreitere      Universitair Ziekenhuis Leuven      Leuven, Belgium

## Day 1, Friday, 4 April 2025

TIME	AGENDA ITEM	FACULTY
10:00–10:30	Registration / Coffee	
10:30–10:40	Welcome and Introductions	W Peul, R Guzman
<b>Day 1</b>	<b>Traumatic Brain Injury (TBI)</b>	Moderators: L Bertulli, R Guzman
10:40–11:00	TBI epidemiology, clinical assessment and imaging	B Depreitere
11:00–11:20	Management of TBI: State of the Art	B Depreitere
11:20–12:20	<b>Small Group discussions</b> <ul style="list-style-type: none"> <li>• Severe TBI (G Raffa)</li> <li>• Coagulation and TBI (A El Rahal)</li> <li>• CSF Leak (C Zweifel)</li> </ul>	Moderator: R Guzman  G Raffa A El Rahal C Zweifel
12:20–13:20	<b>LUNCH</b>	
13:20–13:40	Monitoring and ICU	W Z'Graggen
13:40–14:00	Role of decompressive hemicraniectomy	M Ganau
14:00–14:20	Pediatric TBI	M Licci
14:20–14:40	Discussion on translational research in Neurotrauma	W Peul R Guzman
14:40–15:00	<b>Coffee Break AND NETWORKING</b>	
15:00–17:00	<b>Hands-on Session 1:</b> <ul style="list-style-type: none"> <li>• Table 1: Drilling (10 mins)</li> <li>• Table 2: EVD, ICP and Autoregulation Monitoring (20 mins)</li> <li>• Table 3: Decompressive craniectomy / Cranioplasty (30 mins)</li> <li>• Table 4: Dural Repair (30 mins)</li> <li>• Table 5: Augmented Reality Navigation (30 mins)</li> </ul>	All faculty
17:00-17:10	<b>Wrap up of Day 1</b>	

## Day 2, Saturday, 5 April 2025

TIME	AGENDA ITEM	FACULTY
<b>Day 2</b>	<b>Traumatic Spinal Cord Injury</b>	Moderators: M Giamundo, N Hejrati
9:00 – 09:30	Traumatic Spinal Cord Injury: Updates and future directions	W Peul
09:30-10:30	<b>Interactive case discussions (Part 1)</b> <ul style="list-style-type: none"> <li>• Cervical fractures (N Hejrati)</li> <li>• Thoracolumbar fractures (A Mehrkens)</li> <li>• Timing of Decompression (M Ganau)</li> </ul>	Moderators: W Peul/ N Hejrati N Hejrati A Mehrkens M Ganau
10:30-10:50	<b>COFFEE BREAK AND NETWORKING</b>	
10:50-11:50	<b>Interactive case discussions (Part 2)</b> <ul style="list-style-type: none"> <li>• Intensive Care Management of SCI (W Z'Graggen)</li> <li>• Geriatric SCI patients, special considerations (N Hejrati)</li> <li>• Rehabilitation after traumatic Spinal Cord Injury (A Curt)</li> </ul>	Moderators: W Peul / N Hejrati  W Z'Graggen N Hejrati A Curt
<b>11:50-12:50</b>	<b>LUNCH BREAK</b>	
12:50–15:00 (incl. coffee break)	<b>Hands-on Session 2:</b> <ul style="list-style-type: none"> <li>• Table 1: Spinal stabilization cervical, anterior/posterior</li> <li>• Table 2: Spinal stabilization thoracic / lumbar / sacroiliac</li> <li>• Table 3: Craniocervical junction</li> <li>• Table 4: MIS/Lateral</li> <li>• Table 5: Augmented Reality Navigation</li> </ul>	All faculty
15:00 -15:10	<b>Wrap-up and Course Evaluation</b>	

## Event venue

Hochgebirgsklinik Davos  
Herman-Burchard-Strasse 1  
CH-7265 Davos Wolfgang

## Event organization

### **Global Neuro Foundation**

Clavadelerstrasse 1  
7270 Davos  
Switzerland  
Website: [www.globalneuro.org](http://www.globalneuro.org)

### **Event organizer**

Linda Domeisen  
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Email: [linda.domeisen@globalneuro.org](mailto:linda.domeisen@globalneuro.org)

## Global Neuro funding sources

Unrestricted educational grants from different sources are collected and pooled together centrally or for specific events by the Global Neuro Foundation. All events are planned and scheduled by local and regional Global Neurosurgeon groups based on local needs assessment. We rely on commercial partners for in-kind support to run simulations/skills training if educationally needed.

## General information

### Event fee

**Global Neuro Course—Neurotrauma**  
CHF 250

The course fee includes course material, coffee breaks, lunch, and a course certificate.

### Registration

Please click on the registration link below to register for the Global Neuro Course—Neurotrauma:

<https://globalneuro.org/EN/education/event-detail/81.html>

### European CME Accreditation

The course has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) in Brussels for a maximum of 9.5 European CME credits (ECMEC ®s)..

### Course certificate

The course certificates can only be provided if the participant attends the entire event (100%) and will be available at the end of the event.

### Evaluation guidelines

All Global Neuro events apply the same evaluation process, either online (pre-and post-event evaluation) and/or onsite by paper and pencil questionnaires. This helps Global Neuro to ensure that we continue to meet your training needs.

### 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 involves 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.