

## **Event program**

# **Global Neuro Course—Neurotrauma**

## **SYNS Symposium Pre-Course**

**October 12, 2023, Chavannes-de-Bogis, 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 the Swiss Young Neurosurgeons Society (SYNS) and Global Neuro as a practical pre-course to the annual SYNS Symposium, focussing 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, SYNS Symposium Pre-Course 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

## Invited Faculty

### Chairs

|                     |                                  |                     |
|---------------------|----------------------------------|---------------------|
| Michael G. Fehlings | University of Toronto            | Toronto, Canada     |
| Hervé Quintard      | Hôpitaux Universitaire de Genève | Geneva, Switzerland |
| 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 | Schulthess Klinik        | Zürich, Switzerland     |

### Local Chairs

|                   |                                  |                     |
|-------------------|----------------------------------|---------------------|
| Philippe Bijlenga | Hôpitaux Universitaire de Genève | Geneva, Switzerland |
| Enrico Tessitore  | Hôpitaux Universitaire de Genève | Geneva, Switzerland |

### Faculty

|                  |                               |                         |
|------------------|-------------------------------|-------------------------|
| Mario Ganau      | University of Oxford          | Oxford, UK              |
| Amir El Rahal    | Universitätsklinikum Freiburg | Freiburg, Germany       |
| Maria Licci      | Universitätsspital Basel      | Basel, Switzerland      |
| Oliver Bozinov   | Kantonsspital St. Gallen      | St. Gallen, Switzerland |
| Arne Mehrkens    | Universitätsspital Basel      | Basel, Switzerland      |
| Armin Curt       | Universitätsklinik Balgrist   | Zürich, Switzerland     |
| Philippe Schucht | University Hospital Bern      | Bern, Switzerland       |
| Martin Stienen   | Kantonsspital St. Gallen      | St. Gallen, Switzerland |

## Thursday, October 12, 2023

| TIME             | AGENDA ITEM   | FACULTY  |
|------------------|---|--|
| 09:30–10:00      | Registration / Coffee   |  |
| 10:00–10:15      | Welcome and Introductions   | M Fehlings, H Quintard, R Guzman   |
| <b>Session 1</b> | <b>Traumatic Brain Injury</b>   | Moderators: M Giamundo, L Bertulli, R Guzman   |
| 10:15–10:45      | State of the Art Update on Traumatic Brain Injury   | P Bijlenga   |
| 10:45–10:55      | Discussion  | Moderator: R Guzman  |
| 10:55–11:55      | <b>Interactive case discussions</b><br>challenging cases in brain and cranial trauma: <ul style="list-style-type: none"> <li>• Severe TBI (Bozinov)</li> <li>• Pediatric TBI (Licci)</li> <li>• Monitoring and ICU (Quintard)</li> <li>• Coagulation and TBI (El Rahal)</li> </ul>  | Moderators: R Guzman<br>O Bozinov<br>M Licci<br>H Quintard<br>A El Rahal               |
| 11:55–12:15      | COFFEE BREAK AND NETWORKING   |  |
| <b>Session 2</b> | <b>Traumatic Spinal Cord Injury</b>   | Moderators: E Tessitore, N Hejrati   |
| 12:15–12:45      | State of the Art Update on Traumatic Spinal Cord Injury   | M Fehlings   |
| 12:45–12:55      | Discussion  | E Tessitore, N Hejrati   |
| 12:55–13:55      | LUNCH   |  |
| 13:55–15:25      | <b>Interactive case discussions</b><br>challenging cases in spine and spinal cord injury <ul style="list-style-type: none"> <li>• Cervical fractures (Stienen)</li> <li>• Thoracolumbar fractures (Mehrkens)</li> <li>• Timing of Decompression (Ganau)</li> <li>• Intensive Care Management of SCI (Quintard)</li> <li>• Geriatric SCI patients, special considerations (Hejrati)</li> </ul> | Moderators: E Tessitore, N Hejrati<br>M Stienen<br>A Mehrkens<br>M Ganau<br>H Quintard |

|             |  |                     |
|-------------|--|---------------------|
|             | <ul style="list-style-type: none"> <li>• Rehabilitation after traumatic Spinal Cord Injury (Curt)</li> </ul>   | N Hejrati<br>A Curt |
| 15:25–16:25 | <p><b>Hands-on Session 1:</b></p> <ul style="list-style-type: none"> <li>• Table 1: Drilling (Bertulli / Giamundo)</li> <li>• Table 2: Decompressive craniectomy / cranioplasty ( El Rahal / Licci)</li> <li>• Table 3: EVD, ICP and Autoregulation Monitoring (Bozinov / Quintard)</li> <li>• Table 4: Spinal stabilization cervical (Stienen / Ganau )</li> <li>• Table 5: Spinal stabilization thoracic / lumbar (Mehrkens / Hejrati )</li> <li>• Table 6: IntraCranial Trauma Management with Simulator (Schucht)</li> </ul> <ul style="list-style-type: none"> <li>• <b>Discussion on translational research in Neurotrauma (Fehlings, Guzman)</b></li> </ul> | All faculty         |
| 16:25–16:35 | COFFEE BREAK AND NETWORKING  |                     |
| 16:35–17:35 | <p><b>Hands-on Session 2:</b></p> <ul style="list-style-type: none"> <li>• Table 1: Drilling (Bertulli / Giamundo)</li> <li>• Table 2: Decompressive craniectomy / cranioplasty ( El Rahal / Licci)</li> <li>• Table 3: EVD, ICP and Autoregulation Monitoring (Bozinov / Quintard)</li> <li>• Table 4: Spinal stabilization cervical (Stienen / Ganau )</li> <li>• Table 5: Spinal stabilization thoracic / lumbar (Mehrkens / Hejrati )</li> <li>• Table 6: IntraCranial Trauma Management with Simulator (Schucht)</li> </ul> <ul style="list-style-type: none"> <li>• <b>Discussion on the role of surgery in Neurotrauma (Fehlings, Guzman)</b></li> </ul>    | All faculty         |
| 17:35–17:45 | <b>Wrap-up and Course Evaluation</b>   |                     |

## Event venue

### **Everness Hotel**

Les Champs-Blancs 70b  
1279 Chavannes-de-Bogis  
Switzerland

## Event organization

### **SYNS**

Website: <https://www.syns.ch/>

### **Global Neuro Foundation**

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

### **Event organizer**

Linda Domeisen  
Phone: +41 76 824 04 88  
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 100

CHF 80 for residents/fellows

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 Seminar—Neurotrauma:

<https://globalneuro.org/EN/education/event-detail/56.html>

### European CME Accreditation

For this event, we have applied to UEMS—EACCME® in Brussels for 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

### 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.



## **Sponsors**

A special thanks to our partners Johnson & Johnson and Integra for providing educational support grants for this event.

Thanks to SurgeonsLab for their in-kind support.