

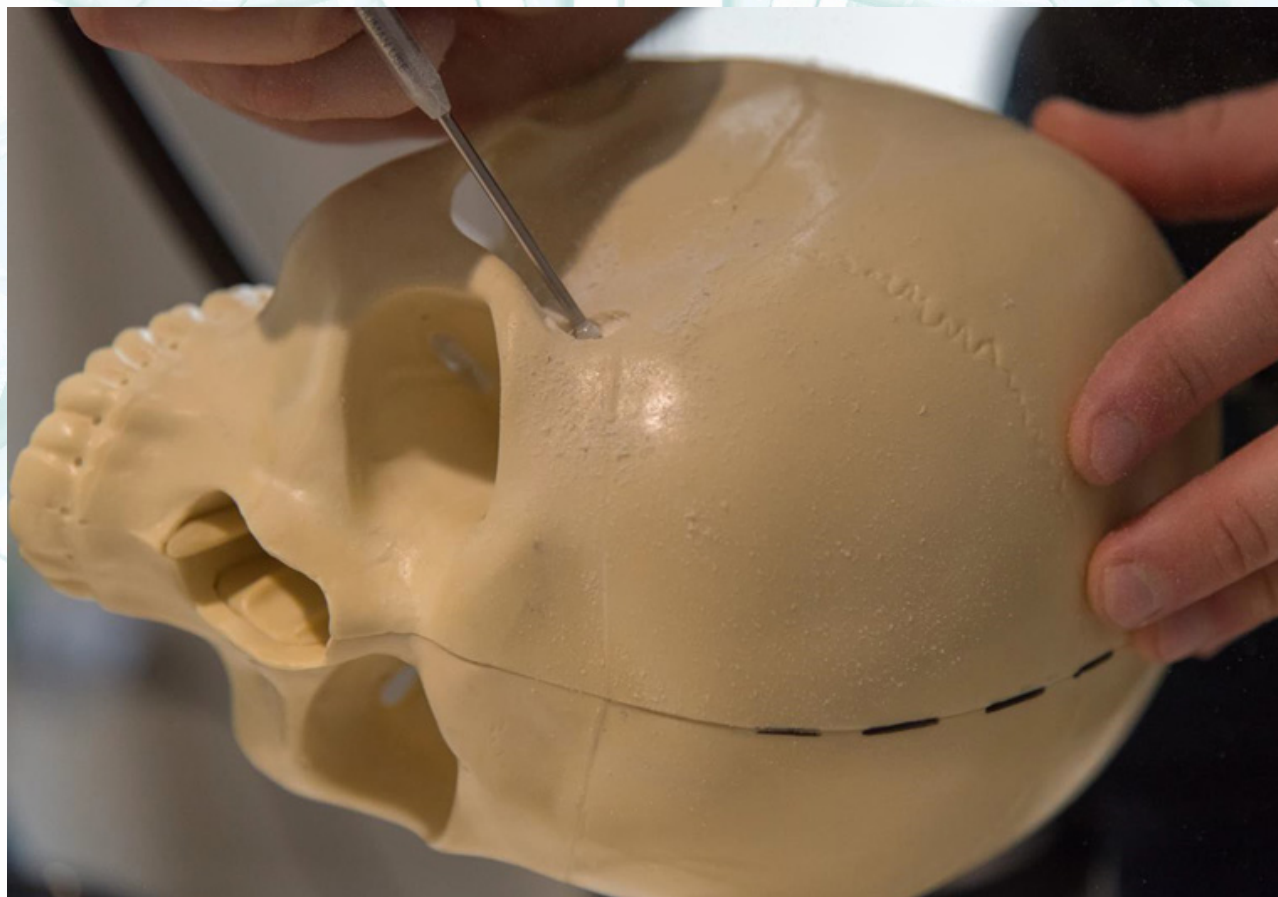


Global Neuro

Event Program

Global Neuro Advanced Course— Neurotrauma

October 20–21, 2023, Sao Paulo, Brazil



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Course 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. The content is delivered using multiple methods. Comprehensive lectures concentrate on the understanding of core material. Interactive case presentations deepen this knowledge and enrich the discussion in trauma management. Practical exercises sessions teach the application of Global Neuro principles to manage common injuries. Case-based discussions link the lecture material and practical skills with the problems encountered in clinical practice.

Participants will be able to interact throughout the course.

Target participants

The Global Neuro Advanced Course—Neurotrauma has been developed for neurosurgeons and neurointensivists, residents, surgeons, and physicians who are experienced in the management of cranial neurotrauma and who have a strong interest in complex patient care, clinical research, and an interdisciplinary approach.

Goal of the course

The Global Neuro Advanced Course—Neurotrauma covers the management of complex cranial neurotrauma using advanced monitoring devices, and techniques.

There will also be a focus on the management of challenging clinical scenarios and complications.

Learning objectives

By completing this course, participants will be better able to:

- Apply current classification systems and guidelines in neurotrauma.
- Manage complex cases of neurotrauma, including penetrating injuries, vascular injuries, and skull base fractures with an interdisciplinary approach.
- Conduct and interpret advanced imaging and neuromonitoring.
- Plan and perform the following operative techniques: multifunctional probes, complex cranial reconstruction, including pain control.

Chairpersons



Wellingson Paiva
University of Sao Paulo
Sao Paulo, Brazil



Andres M. Rubiano
El Bosque University
Bogota, Colombia

International faculty

Ryan Kitagawa	McGovern Medical School	Houston, United States
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Regional faculty

Juan Diego Ciro	Las Americas Clinic AUNA Medellin, Colombia	Geneva, Switzerland
Juan Luis Pinedo P	Hospital Nacional Almanzor Aguinaga	Chiclayo, Peru

National faculty

Almir Ferreira de Andrade	University of Sao Paulo	Sao Paulo, Brazil
Cristiane Tavares	University of Sao Paulo	Sao Paulo, Brazil
Edson Shu	University of Sao Paulo	Sao Paulo, Brazil
Jorge Luis Paranhos	Santa Casa da Misericordia Hospital	Sao Joao Del Rei, Brazil
Nelson Saade	Santa Casa de Sao Paulo School of Medical Sciences	Sao Paulo, Brazil
Robson Amorim	Hospital Universitario	Getulio Vargas Manaus, Brazil
Rodrigo Faleiro	Hospital Joao XXIII	Belo Horizonte, Brazil
Samia Wayhs	University of Sao Paulo	Sao Paulo, Brazil
Vinicius Galdini	Hospital Samaritano	Sao Paulo, Brazil

Day One

Friday, October 20, 2023

TIME	AGENDA ITEM	FACULTY
08:30–09:30	Registration	Ximena Rodriguez
09:30–09:35	Welcome and Course Objectives	Wellington Paiva
Module 1	Diagnostics, Imaging, and Pathologies	Moderator: Wellington Paiva
09:35–09:40	Open Case Discussion: Decision Making in Neurotrauma	Andres Rubiano
09:40–10:00	Insights of Neurotrauma Pathology in the Proteomic Era	Andres Rubiano
10:00–10:20	Advanced Imaging in Traumatic Brain Injury (TBI)	Ryan Kitagawa
10:20–10:40	Management of Coagulopathy and Blood Transfusion in Severe TBI Patients	Cristiane Tavares
10:40–11:00	Coffee Break	All
11:00–11:40	Small Groups Discussion <ul style="list-style-type: none"> – Fluid Management in Severe TBI – Traumatic Intracerebral Hematoma in the Posterior Fossa – TBI in Patient with Anticoagulant Therapy – Cranial Base Vascular Associated Injury 	Jorge Paranhos Andres Rubiano Rodrigo Faleiro Nelson Saade
11:40–11:50	Module 1 Q&A Session	Wellington Paiva
Module 2	Advanced Neuromonitoring	Moderator: Jorge L. Paranhos
11:50–11:55	Open Case Discussion: Autoregulation in TBI	Juan Luis Pinedo
11:55–12:15	Overview of ICP–CPP Correlation and Monitoring	Robson Amorim
12:15–12:35	Brain Oxygen and Blood Flow Monitoring in TBI	Juan Diego Ciro
12:35–12:55	Interactive Case Discussion: Probe Positioning in TBI Monitoring	Wellington Paiva
12:55–01:15	Interactive Case Discussion: Decision Making with TCD in TBI	Moderator: Samia Wayhs
01:15–01:25	Module 2 Q&A Session	Jorge L. Paranhos
01:25–02:30	Lunch	All

TIME	AGENDA ITEM	FACULTY
Module 3	New Trends in TBI Diagnosis and Management	Moderator: Samia Wayhs
02:30–02:35	Open Case Discussion: Multiparameter Monitoring in TBI	Juan Diego Ciro
02:35–02:55	Connectomics and Prognosis in TBI	Andres Rubiano
02:55– 03:15	Analytical Software for Decision Making in TBI	Ryan Kitagawa
03:15– 03:35	Intracranial Compartment Syndrome in TBI	Andres Rubiano
03:35–03:55	Pain Neuromodulation in Neurotrauma	Wellingson Paiva
03:55–04:35	Interactive case discussion: Advanced Calculations of TBI Prognosis	Moderators: Andres Rubiano / Wellingson Paiva Nelson Saade Vinicius Gaudini Juan D. Ciro
04:35–04:45	Module 3 Q&A Session	Vinicius Gaudini
04:45–05:05	Coffee Break	All
Module 4	Advanced Treatments and Postoperative Care	Moderator: Robson Amorim
05:05–05:10	Open Case Discussion: TBI Guidelines and Protocols	Andres Rubiano
05:10–05:30	Surgery for Brain Edema in TBI: Role in 2023	Ryan Kitagawa
05:30–05:50	Advanced Bleeding Control During Surgical TBI Treatment	Rodrigo Faleiro
05:50–06:10	New Perspectives for ICP Monitoring in Latin America	Almir Ferreira de Andrade
06:10–06:30	Interactive case discussion: Head Injuries Caused by Gunshot Wounds	Nelson Saade
06:30–06:40	Module 4 Q&A Session, Evaluation and Closing of the Day 1	Robson Amorim / Course Chairs

Day Two

Saturday, October 21, 2023

TIME	AGENDA ITEM	FACULTY
08:45–09:00	Welcome, activities description, learning objectives and participants distribution	Wellingson Paiva
Module 5	Practical Exercises	All
09:00–09:40	Station one: (40 min) Advanced Monitoring (Oximetry and ICP monitoring) <ul style="list-style-type: none"> Practical exercise with a piglet, up to 10 people per rotation (faculty + participants) 	Wellingson Paiva Almir Andrade Juan Diego Ciro
09:40–10:20	Station two: (40 min) New Trends in Neuro Monitoring (Pupillometer and Surrogate ICP waveform) <ul style="list-style-type: none"> Practical exercise with a pupillometer and a waveform device. Up to 10 people per rotation (faculty + participants) 	Andres Rubiano Samia Wayhs
10:20–11:00	Station three: (40 min) Transcranial Ultrasound <ul style="list-style-type: none"> Workstations with ultrasound dopplers and optic nerve sheet console (ultrasound machine available at most hospitals) will be used for neurotrauma care management. Up to 10 people per rotation (faculty + participants) 	Robson Amorim Edson Shu Juan Luis Pinedo
11:00–11:20	Break	All
11:20–12:00	Station four: (40 min) Decompressive Craniectomy and Advanced Reconstruction Systems (Sinus Fx, Cranioplasty) <ul style="list-style-type: none"> Station with bone models. Up to 10 people (faculty + participants) (40 min) 	Rodrigo Faleiro Jorge L. Paranhos Ryan Kitagawa
12:00–12:10	Module 5 Q&A Session	Moderator: Nelson Saade and Faculty
12:10–12:20	Course Evaluation and Closing Remarks	Wellingson Paiva Andres Rubiano

Course venues

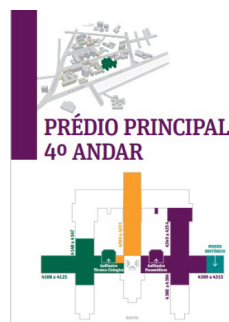
Day one: Friday, October 20, 2023



Blue Tree Premium Paulista Hotel

Rua Peixoto Gomide, 707, São Paulo,
CEP 01409-001, Brazil

Day two: Saturday, October 21, 2023



Laboratório da Técnica Cirúrgica FMUSP

Av. Dr. Arnaldo, 455 – Cerqueira César – CEP 01246 903 – São Paulo – SP
Prédio Principal 4º andar

Event organization

Global Neuro Foundation

Clavadelstrasse 1
7270 Davos, Switzerland
Website: www.globalneuro.org

Event Organizer

Ximena Rodriguez Phone +1 321 732 2199

Email: ximena.rodriguez@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.

Course information

Event fee

Global Neuro Advanced Course—Neurotrauma fee is

120 USD – Specialists
60 USD – Residents (50% discount)

Included in the course fee are course material, coffee breaks, lunch, and course certificate.

Registration

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

<https://globalneuro.org/EN/education/event-detail/68.html>

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) or/and 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 of a name tag is compulsory during lectures, practical exercises, and group discussions.

Mobile phone use

Use of mobile phones is not allowed in the lecture halls and in other rooms during educational activities. Please be considerate to 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.

Sponsors

A special thanks to our partner Integra for providing educational support grants for this event.

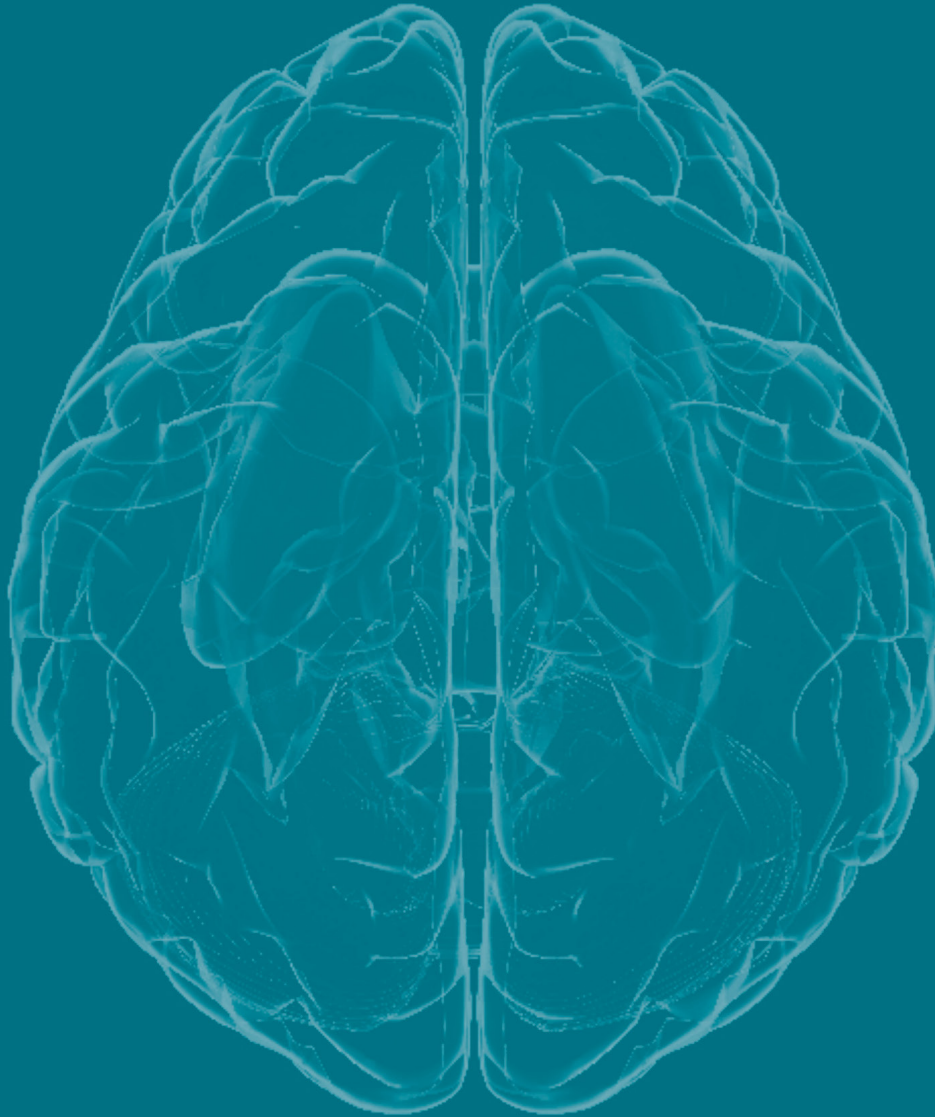


We also extend our thanks to the following local sponsors:





Global Neuro



Stay up to date with our educational activities.
Visit www.globalneuro.org today.

Global Neuro

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