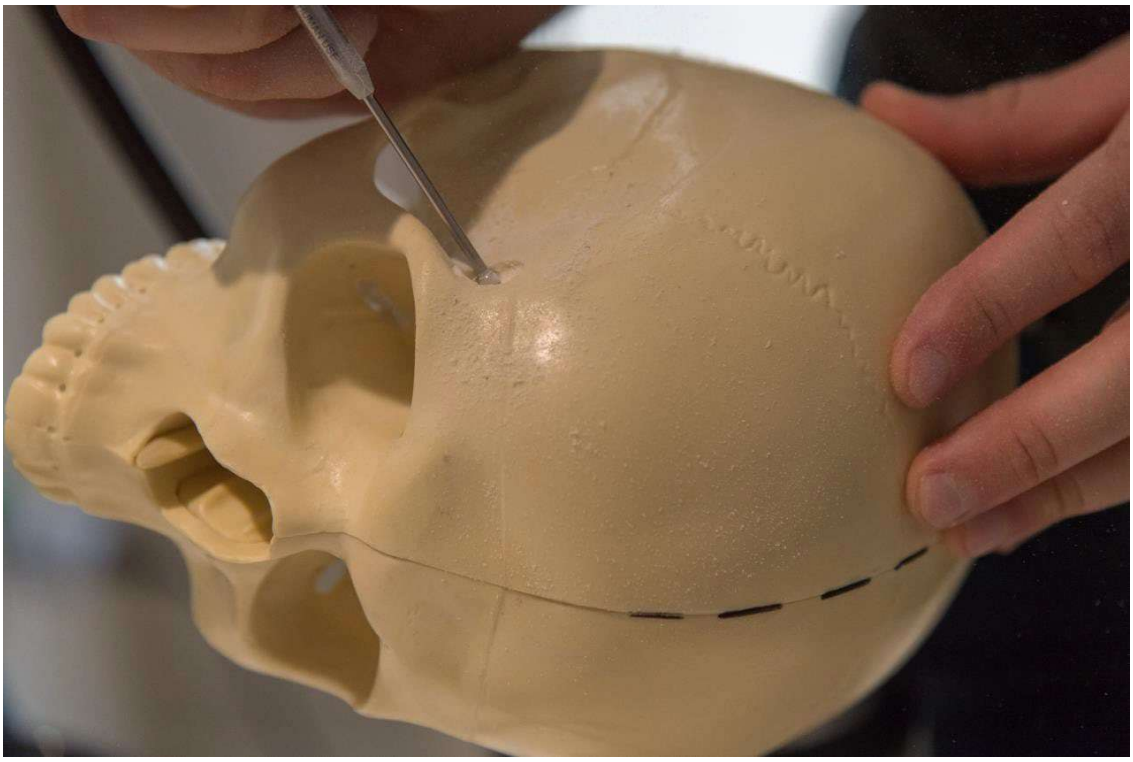
Global Neuro

Preliminary event program

Global Neuro Advanced Course— Neurotrauma

Aug 13-14, 2025, Surabaya, Indonesia



Global Neuro welcomes you.

On January 1, 2018, AONeuro became Global Neuro for the purpose of broadening our geographical reach and for the opportunity to work with multiple partners. Our new foundation is incorporated in Switzerland and is ready to serve you to improve the educational and practical experiences in patient care and outcomes.

We offer educational events across the world, with rigorously prepared and evaluated curricula, in multiple cultural and educational formats. Global Neuro's educational offerings include lecture presentations, interactive case discussions, small group discussions, practical exercises, simulation exercises, and online education. Global Neuro strives to increasingly collaborate with regional, national, and international societies and organizations to deliver symposia and courses at congresses and annual meetings. These partnerships enable us to provide the best formats possible.

While our initial educational efforts began with neurosurgeons, we are increasingly collaborating with neurologists, emergency physicians, trauma surgeons, neurointensivists, neuro-anesthesiologists, neuroradiologists, and other neuro professionals to provide comprehensive education and program development opportunities. Emergency care, specific neurological care, and recovery are too complex to depend upon a single discipline. As such, collaboration is required to be able to make the greatest impact on our patients' progress and outcomes.

We hope this program meets your expectations, as it is based on continuous development, study, evaluation, and discussion. Please let us know if you have ideas or suggestions for how we can enhance your learning and educational experience.

Join our network of professionals, as we work together to improve the results in neuro care and rehabilitation for all our patients.

Warm regards,

Andres M. Rubiano
President Global Neuro Foundation

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 on trauma management. Demo 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 emergency and trauma care physicians who are experienced in the management of 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 and spinal neurotrauma using different 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 and spinal fractures with an interdisciplinary approach.
- Conduct and interpret basic and advanced imaging and neuromonitoring.
- Plan and perform the following operative techniques: neuromonitoring, spinal fixation, complex reconstruction, including decompression techniques.

Chairpersons

Tedy Apriawan
Airlangga University
School of Medicine
Surabaya, Indonesia

Tjokorda Gde Bagus Mahadewa
Udayana University
of Bali, Indonesia

Andres M. Rubiano
El Bosque University
Bogota, Colombia

International Faculty (to be confirmed)

P. David Adelson	Rockefeller Neurosciences Institute, West Virginia, USA
Andreas Demetriades	Western General Hospital, Edinburgh, UK
Peter Hutchinson	University of Cambridge, Cambridge, UK

Regional Faculty (To be confirmed)

Lynn Lucena	Bicol Regional Hospital, Bicol, Philippines
Eiichi Suehiro	International University of Health and Welfare, Narita, Japan
Virendra Deo Sinha	SDM Hospital, Jaipur, India
Guoyi Gao	Tiantan Hospital, Capital Medical University, Beijing, China
Daval Shukla	NIMHANS, Bangalore, India

Local Faculty (To be confirmed)

Fitra Tommy Jack Numberi Eko Prasetyo Krisna Tsaniadi Prihastomo Prihatma Rohadi Pandu Wicaksono	Sam Ratulangi University, Manado, Indonesia

Day One, Wednesday, August 13, 2025

TIME (EST)	AGENDA	WHO
13:30-13:35	Welcome and Course Objectives	Andres Rubiano
Module 1	Diagnostics, imaging, and pathologies	Moderator: Eko Prasetyo
13:35-13:40	Opening Case Discussion: Decision Making in Neurotrauma	Tedy Apriawan
13:40-14:00	Insights of Neurotrauma Pathology in the Proteomic Era	Andres Rubiano
14:00-14:20	Prehospital Management of TBI	Virendra Sinha
14:20-14:40	The British Society Classification for CT Imaging in TBI Care	Peter Hutchinson
14:40-15:20	Small group discussions on Initial management – Polytrauma and TBI – Pediatric TBI – Spinal Cord Injury and Polytrauma – Neurotrauma in the Elderly	Moderator: Lynn Lucena Andres Rubiano P. David Adelson Andreas Demetriades Eiichi Suehiro
15:20-15:30	Q&A Module 1	Eko Prasetyo
Module 2	Emergency Neuromonitoring in TBI	Moderator: Tedy Apriawan
15:30-15:35	Opening Case Discussion: Glasgow and Pupils Score	Tommy Jack Numberi
15:35-15:55	Biomarkers in TBI: Present Insights	Guoyi Gao
15:55-16:15	Coffee Break	All
16:15-16:35	Neurosonology in TBI: ONUS and TCD	Eiichi Suehiro
16:35-16:55	Pupillometry in Neurotrauma	Peter Hutchinson
16:55-17:15	Non-Invasive ICP Waveform Analysis	Andres Rubiano
17:15-17:30	NIRS for Oxygenation and Blood Detection	Daval Shukla
17:30 – 17 :40	Q&A Module 2, evaluation and closing of the day 1	Tedy Apriawan

Day Two, Thursday, August 14, 2025

TIME (EST)	AGENDA	WHO
08:00-08:10	Welcome, activities description and objectives and participants distribution	Tedy Apriawan
Module 3	New Trends in Diagnosis and Management of TBI	Moderator: Virendra Sinha
08:10-08:25	Open Case Discussion: Multiparameter Monitoring in TBI	P. David Adelson
08:25-08:40	Connectomics and Prognosis in TBI	Eiichi Suehiro
08:40-08:55	Analytical Software for Decision Making in TBI	Peter Hutchinson
08:55-09:10	Intracranial Compartment Syndrome in TBI	Andres Rubiano
09:10-09:30	The CREVICE Protocol for TBI Care	Fitra
09:30-09:50	The SIBBICC Protocols for Guiding TBI Therapy	Guoyi Gao
09:50 – 10:10	The BootStrap Protocols for TBI Care	
10:10-10:20	Q&A of Module 3	Virendra Sinha
10:20-10:40	Coffee Break	All
Module 4	Neurotrauma Surgical Management and Postoperative Care	Moderator: Rohadi
10:40-10:45	Opening case discussion: SCI Guidelines and their Global Applicability	Tjokorda Gde Bagus Mahadewa
10:45-11:00	Surgical Guidelines for TBI Management	Lynn Lucena
11:00-11:20	Surgical Guidelines for SCI	Andreas Demetriades
11:20-11:40	ICU Management of SCI	Prihatma
11:40-12:00	Small groups discussion on TBI/SCI Management – Penetrating TBI – Pediatric SCI – Acute Surgical Decompression in SCI Hypothermia in Neurotrauma	Moderator: Daval Shukla Andres Rubiano P. David Adelson Pandu Wicaksono Eiichi Suehiro
12:00-12:10	Q&A Module 4, evaluation and closing of the day 1	Course Chairs

12:10- 13:10	Lunch break			All
Module 5	Practical exercises			All
	Station one: Advanced Monitoring (Oximetry and ICP Evaluation) Demo session with up to 10 people (faculty + participants) (30 min) *Peter Hutchinson*	Station two: New Trends in Neuro Monitoring (Pupillometer, Biomarkers, and Non-Invasive ICP Waveform) The station will use humans-participants. Demo session with up to 10 people (faculty + participants) (40 min) *Andres Rubiano*	Station three: Transcranial Ultrasound (ultrasonography) Station with TCD/ONUS. Demo session for up to 10 people (faculty +participants) (40 min) *Krisna Tsaniadi Prihastomo*	Station four: Decompressive Craniectomy and Advanced Reconstruction Systems (Cranioplasty, Dural Substitutes) Station with bone models. Demo session up to 10 people (faculty + participants) (40 min) *Guoyi Gao*
13:10-13:50	Group A	Group B	Group C	Group D
13:50-14:30	Group D	Group A	Group B	Group C
14:30-15:10	Group C	Group D	Group A	Group B
15:10-15:50	Group B	Group C	Group D	Group A
15:50-16:10	Coffee Break			All
16:10-16:25	Interactive Q&A session Module 5			Moderator: Local Faculty and all Directors
16:35-16:45	Evaluation and closing remarks of the course			Course Chairs

Course Venue

ASEEC Tower Airlangga University
Surabaya, East Java

Event organization

Global Neuro Foundation
Clavadelerstrasse 8J
7270 Davos
Switzerland

Event organizer
Jenny Cheng
Email jenny.cheng@globalneuro.org

Course information

Event fee

Global Neuro Advanced Course—Neurotrauma fee is TBC

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/103.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 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 of others by turning off your mobile phone.

Intellectual property

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).

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.