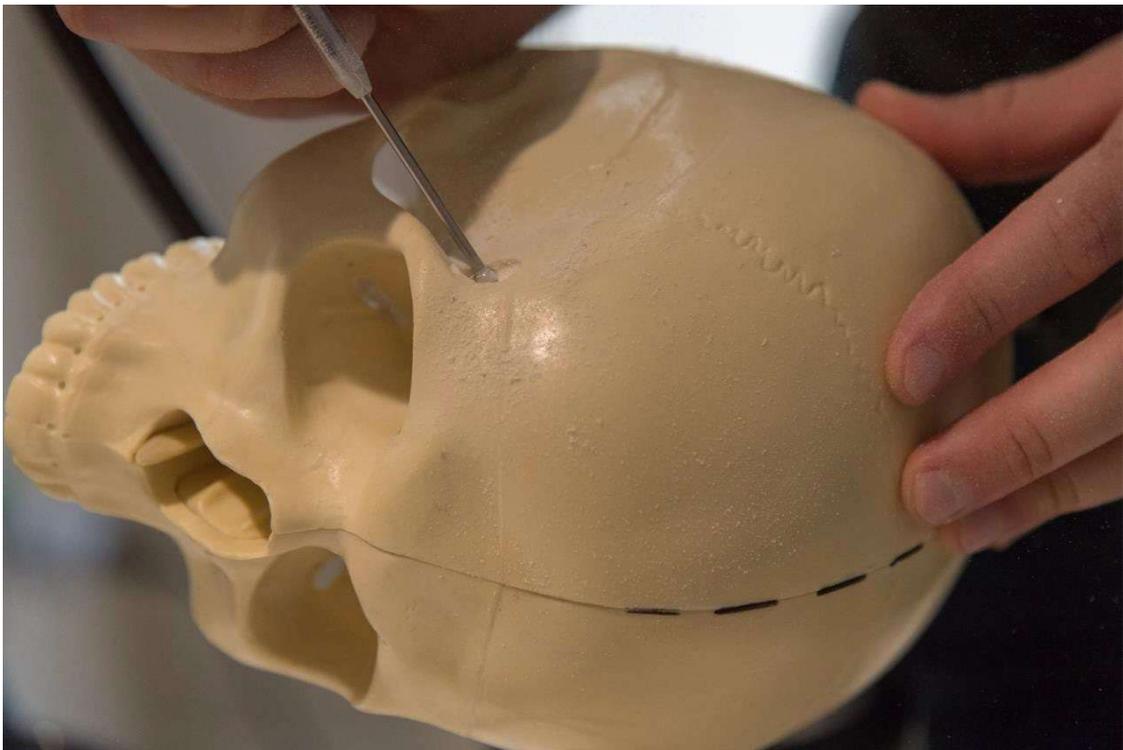




Preliminary event program

# 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.

## 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

Andreas Demetriades  
Shugar Jhamil Hinojosa Motta  
Andrew Reisner

Western General Hospital, Edinburgh, UK  
Hospital Nacional Hipólito Unanue, Lima, Peru  
Emory University, Atlanta, USA

## Regional Faculty

Lynne Lourdes Lucena  
Keshav Goyal  
Eiichi Suehiro  
Virendra Deo Sinha  
Daval Shukla

Bicol Regional Hospital and Medical Center Albay, Bicol, Philippines  
All India Institute of Medical Sciences, New Delhi, India  
International University of Health and Welfare, Narita, Japan  
SDM Hospital, Jaipur, India  
NIMHANS, Bangalore, India

## Local Faculty

Fitra  
Tommy Jack Numberi  
Eko Prasetyo  
Krisna Tsaniadi Prihastomo  
Prihatma Kriswidyatomo  
Rohadi Muhammad Rosyidi  
Pandu Wicaksono

Dr Soetomo Academic General Hospital, Surabaya  
Cenderawasih University/ Jayapura Hospital, Jayapura–Papua  
RD Kandou Hospital Manado, Manado  
Dr. Kariadi General Hospital, Semarang  
Medical Faculty of Mataram University, Mataram

## Day One, Wednesday, August 13, 2025

TIME	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 into Neurotrauma Pathology in the Proteomic Era	Andres Rubiano
14:00–14:20	Prehospital Management of TBI	Virendra Deo Sinha
14:20–14:40	The British Society Classification for CT Imaging in TBI Care	Tedy Apriawan or Eko Prasetyo
14:40–15:20	Small group discussions on Initial management <ul style="list-style-type: none"> <li>– Polytrauma and TBI</li> <li>– Pediatric TBI</li> <li>– Spinal Cord Injury and Polytrauma</li> <li>– Neurotrauma in the Elderly</li> </ul>	Moderator: Lynne Lourdes Lucena  Andres Rubiano Andrew Reisner 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 Pediatric TBI: Present Insights	Andrew Reisner
15:55–16:15	Coffee Break	All
16:15–16:35	Pupillometry and Neurosonology in TBI	Andres Rubiano
16:35–16:55	NIRS for Oxygenation and Blood Detection	Daval Shukla
16:55–17:15	Invasive and Non-Invasive Quantitative / Qualitative Analysis of ICP	Andres Rubiano
17:15–17:30	Hypothermia in TBI: Monitoring & Management	Eiichi Suehiro
17:30 – 17:40	Q&A Module 2, evaluation and closing of the day 1	Tedy Apriawan

## Day Two, Thursday, August 14, 2025

TIME	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 & SCI	Moderator: Virendra Deo Sinha
08:10–08:25	Open Case Discussion: Multiparameter Monitoring in TBI	Andrew Reisner
08:25–08:40	Minimally Invasive Surgery in TBI: Endoscopic Approach	Eiichi Suehiro
08:40–08:55	Monitoring in SCI: What is New	Andreas Demetriades
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 SIBICC Protocols for Guiding TBI Therapy with ICP & PTiO2	Daval Shukla
09:50 – 10:10	The BootStrap Protocols for TBI Care	Shugar Jhamil Hinojosa Motta
10:10–10:20	Q&A of Module 3	Virendra Deo Sinha
10:20–10:40	Coffee Break and Group Photo	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	Lynne Lourdes Lucena
11:00–11:20	Surgical Guidelines for SCI	Andreas Demetriades
11:20–11:40	ICU Management of SCI	Prihatma Kriswidyatomo
11:40–12:00	Small groups discussion on TBI/SCI Management <ul style="list-style-type: none"> <li>- Penetrating TBI</li> <li>- Pediatric SCI</li> <li>- Acute Surgical Decompression in SCI</li> <li>- Multimonitoring in TBI</li> </ul>	Moderator: Daval Shukla  Andres Rubiano Andrew Reisner 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
	<u>Station one:</u> Advanced Monitoring (Oximetry and ICP Evaluation) Demo session with up to 10 people (faculty + participants) (30 min)  <i>Eiichi Suehiro / VD Sinha</i>	<u>Station two: New</u> 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)  <i>Andres Rubiano/Tedy Apriawan/ Keshav Goyal</i>	<u>Station three:</u> Transcranial Ultrasound (ultrasonography) Station with TCD/ONUS. Demo session for up to 10 people (faculty + participants) (40 min)  <i>Krisna Tsaniadi Prihastomo / Shugar Hinojosa</i>	<u>Station four:</u> Decompressive Craniectomy and Reconstruction Systems (Cranioplasty, Dural Substitutes) Station with bone models. Demo session up to 10 people (faculty + participants) (40 min)  <i>Daval Shukla / Lynne Lourdes Lucena</i>
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

Sriwijaya Hall, ASEEC Tower,  
Airlangga University  
Surabaya, East Java  
Indonesia

## Event organization

Global Neuro Foundation  
Clavadelerstrasse 8J 7270  
Davos  
Switzerland

Event organizer  
Jenny Cheng  
Email [jenny.cheng@globalneuro.org](mailto:jenny.cheng@globalneuro.org)

## Course information

### Event fee

USD 150

Discount available for residents

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: [www.icran2025.org](http://www.icran2025.org)

### 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

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 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 xx for providing educational support grants for this event.

Thanks to xx for their in-kind support.