Global Neuro

Preliminary program

Global Neuro Course—Neurotrauma and Neurocritical Care

22 March 2025
Taipei, Taiwan

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 is a unique opportunity for you to learn from experts in the field and enhance your skills in caring for neurocritical illness. The care of Neurotrauma and Neurocritical Care patients is critical, including the pathophysiology for neurocritical care, cerebral multimodality monitoring, and surgical/medical interventions. First, pathophysiological changes of a brain injury involve a complex interaction between different intracranial organs, such as the brain parenchyma, vascular and cerebrospinal fluid, and processes a post–injured damaging pathway if not intervened. Second, the rigid cranium protects the brain like a black box; the cerebral parameters cannot be easily detected by medical personnel in the neuro–intensive care unit (NeuroICU). In recent years, cerebral multimodality monitoring has increasingly captured parameters in brain injury's multifaceted and dynamic nature. In addition, those parameters can guide us in managing patients in the NeuroICU. Finally, different surgical and medical methods, such as intracranial pressure (ICP) monitor insertion, are essential in the emergency setting. Targeted temperature management (TTM) is important in the control of ICP or fever in the NeuroICU. This is the first time that a neurotrauma and neurocritical care training course will be provided by the Taiwan Neurotrauma and Critical Care Society together with Global Neuro, giving you the privilege to learn from the best in the field. The course agenda includes all the above–mentioned information needed in the care of patients in the NeuroICU. It is divided into 2 sessions: the morning session consists of the pathophysiology for neurocritical care to organ–specific management, and the afternoon session features a hands–on session which provides attendees with the opportunity to learn the manipulation of TTM/ Hemodynamic/ Transcranial Doppler/ continuous EEG through interactive lectures.

Target participants

This course's aim is to provide basic knowledge and skills to all the health care providers working in the NeuroICU or emergency department involved in the care of neurocritical illness.

Learning objectives

By completing this course, participants will be better able to

- Understand the pathophysiology change of the neurocritical illness and its management rationale
- Describe the management principle of Cerebral perfusion pressure and seizure
- Manage the respiratory and nutrient issues in patients with severe brain injuries
- Manipulate and read the devices commonly used in the NICU

Faculty

Chair

Sui-Sum Kung
Kaohsiung Medical University Hospital
Kaohsiung, Taiwan

International faculty

Joining in-person

Takashi Araki	Saitama Medical University	Saitama	Japan
Yulin Wong	Tan Tock Seng hospital	Singapore	Singapore
Shoji Yokobori	Nippon Medical University School	Tokyo	Japan

Joining online

Marek Czosnyka	University of Cambridge	Cambridge	United Kingdom
Geoffrey Manley	University of California	San Francisco	USA

National Faculty

Chih-Ju Chang	Sijhih Cathay General Hospital	New Taipei	Taiwan
Lin Chang	Taipei City Hospital Ren-ai branch	Taipei	Taiwan
Pin-Yuan Chen	Keelung Chang-Geng Memorial Hospital	Keelung	Taiwan
Yu-Cheng Chou	Taichung Veterans General Hospital	Taichung	Taiwan
Yin-Yi Han	National Taiwan University Hospital	Taipei	Taiwan
Cheng-Ta Hsieh	Cathay General Hospital	Taipei	Taiwan
Chen-Hai Li	Far Eastern Memorial Hospital	Taipei	Taiwan
Chun-Fu Lin	Taipei Veterans General Hospital	Taipei	Taiwan
Hsin-Yao Lin	MacKay Memorial Hospital	Taipei	Taiwan
Chiung-Chyi Shen	Taichung Veterans General Hospital	Taichung	Taiwan
Jui-Ming Sun	Chia-Yi Christian Hospital	Chia-Yi City	Taiwan
Cheng-Chia Tsai	MacKay Memorial Hospital	Taipei	Taiwan
Ming-Cheng Tsai	Shin Kong Wu Ho-Su Memorial Hospital	Taipei	Taiwan
Meng-Ni Wu	Kaohsiung Medical University Hospital	Kaohsiung	Taiwan
Hao-Kuang Wang	E-DA Hospital	Kaohsiung	Taiwan

Day 1, Saturday, 22 March 2025

TIME	AGENDA ITEM	FACULTY	MODERATOR
08:20–08:50	ICP is not just a number (pre-recorded)	Marek Czosnyka	Hsin-Yao Lin
08:50–09:00	Registration		
09:00–09:10	Opening	Cheng-Chia Tsai / Chiung-Chyi Shen	
09:10–09:40	Pathophysiology of ABI (Acquired Brain Injury)	Sui-Sum Kung	Chih-Ju Chang
09:40–10:10	ICP management	Shoji Yokobori	Cheng-Ta Hsieh
10:10–10:40	Modalities of Neuro-monitoring in TBI	Yulin Wong	Hao-Kuang Wang
10:40–11:00	Coffee Break and Group photo		
11:00–11:30	A New Framework for TBI Nomenclature and Characterization (pre-recorded)	Geoffrey Manley	Ming-Cheng Tsai
11:30–12:00	Pediatric neurotrauma	Takashi Araki	Yu-Cheng Chou
12:00–12:20	Plenary discussion		
12:20–13:30	Lunch seminar		
12:20–13:00	Optimizing seizure management for TBI & Intracranial Hemorrhage Patients	Chen-Hao Li	Chun-Fu Lin
13:00–13:30	Pupillometry	Sui-Sum Kung	Pin-Yuan Chen

TIME	AGENDA ITEM	FACULTY		MODERATOR
Afternoon Session Part I: Hands-on practical exercise				
	Hands-on 1: Targeted Temperature Management (TTM) for neurotrauma *Sui-Sum Kung* 龔瑞琛醫師	Hands-on 2: Transcranial Doppler (TCD) management *Lin Chang* 張麟醫師	Hands-on 3: Critical care Electroencephalogram (EEG) *Meng-Ni Wu* Hands-on 4: Hemodynamic *Meng-Ni Wu* 吳孟霓醫師	Hands-on 4: Hemodynamic *Yin-Yi Han* 韓吟宜醫師
13:30–14:20	Group A	Group B	Group C	Group D
14:20–15:10	Group B	Group C	Group D	Group A
15:10–15:30	Coffee Break			
15:30–16:20	Group C	Group D	Group A	Group B
16:20–17:10	Group D	Group A	Group B	Group C
17:30–17:40	Closing remarks and evaluation			Sui-Sum Kung

TIME	AGENDA ITEM	FACULTY	MODERATOR
Afternoon Session Part II (managed by Taiwan Neurotrauma and Critical Care Society)			
13:50–14:00	Opening remark	Cheng-Chia Tsai	廖國興
14:00–14:40	Clinical part	石富元	黃伯仁
14:40–15:20	Biomarker part	Kevin Wang	陳元皓
15:20–15:40	Coffee break		
15:40–16:20	Image part	陳震宇	莊健盈
16:20–17:00	Modifier part	廖國興	劉倬昊
17:00–17:30	Case sharing and plenary discussion	Takashi Araki	孫瑞明
17:30–17:40	Closing remark	Cheng-Chia Tsai	

Course information

Event venue

Xing-Chun Auditorium, Xinyi Campus,
Taipei Medical University
No.250, Wuxing St., Xinyi Dist., Taipei City 110 Taiwan

Event organization

Global Neuro Foundation
Clavadelerstrasse 1
7270 Davos
Switzerland
Website: www.globalneuro.org

Taiwan Neurotrauma and Critical Care Society 台灣神經創傷暨重症學會
新北市淡水區民權路47號 / 淡水馬偕醫院外科部
Website: https://www.taiwanneurotraumasociety.com/
Email: taiwan.neurotrauma.society@gmail.com

Event organizer
Jenny Cheng
Email: jenny.cheng@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—Neurocritical Care and Neurotrauma
Course fee:
NTD 1,500 (local delegate) / USD 50 (overseas delegate)
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/94.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) 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

Chinese / 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

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).

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 partners BD, Integra, GSK, Wattcan Instruments and ZOLL for providing educational grant and in-kind support for this event.

Notes:

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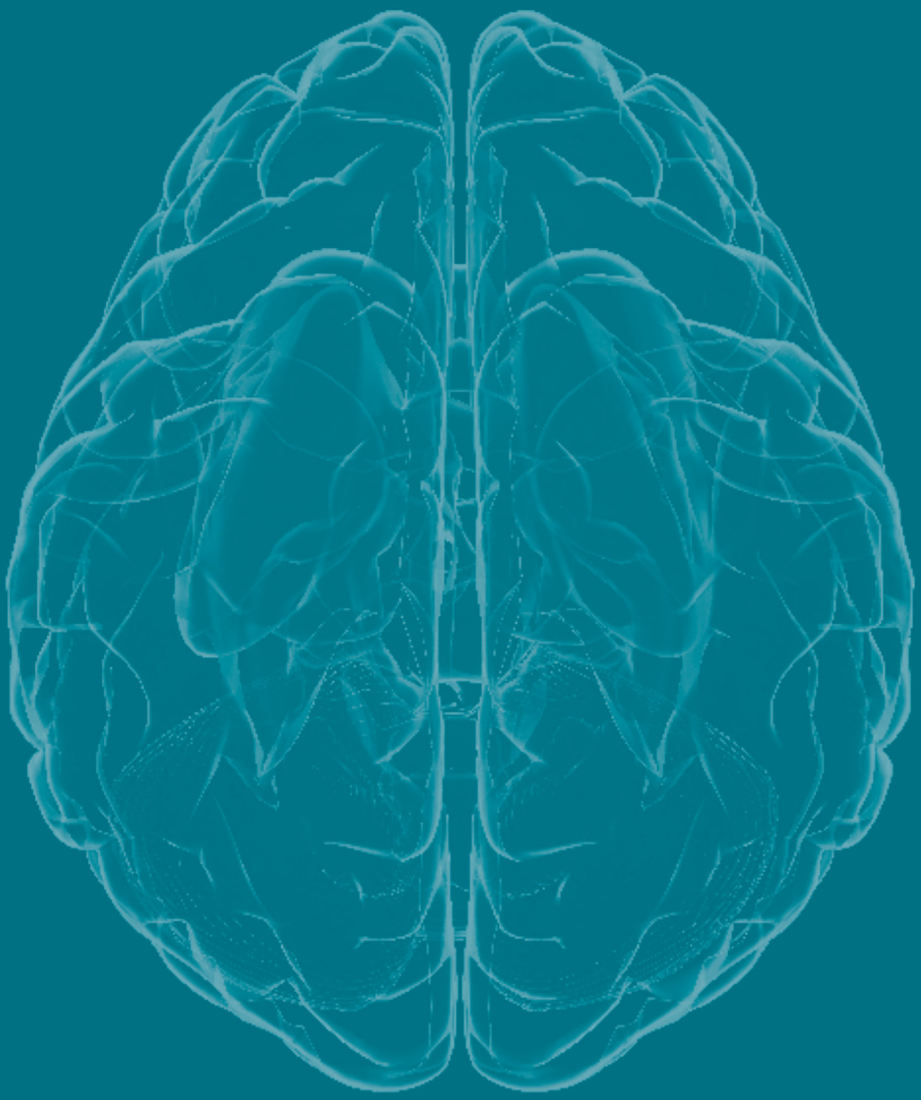

Stay up to date with our educational activities.
Visit www.globalneuro.org today.

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