

Global Neuro
Course—
Neurocritical Care
Global Neuro コース
—神経集中治療

28 October 2023
2023 年 10 月 28 日
令和 5 年 10 月 28 日
Tokyo, Japan
東京, 日本

Course description

日本集中治療医学会では、神経集中治療とは「重症の脳・神経疾患に加えて、疾患の種類にかかわらず二次性脳障害を起こしうる病態に対して脳指向型管理を実践し神経学的転帰改善を目指した集中治療」と定義しました。脳指向型管理を実践するためには、どうやって脳を知るのか？どのように対応するのか？が重要です。本コースでは、日本を代表する **faculty** により、この疑問にわかりやすくお応えします。また、この分野における世界的オピニオンリーダーをお招きし、今のトピックスを解説して頂きます。本コースは、講義とハンズオンの同時開催です。脳神経モニタリングを代表として脳圧モニタリングセンサーの挿入を皆さんに実際に体験して頂きます。

The Japanese Society of Intensive Care Medicine defines neurocritical care as “Intensive care aiming to improve neurological outcomes by implementing brain-directed management for conditions that can cause secondary brain damage regardless of the type of disease, including severe brain and neurological diseases.” How do we understand the brain to practice brain-directed management? How to deal with it, is important. In this course, leading Japanese faculty will answer this question in an easy-to-understand manner. We will also invite global opinion leaders in this field to explain current topics. This course will be provided as a combination of lectures and hands-on practical exercises. As a representative of cranial nerve monitoring, you will actually experience the insertion of an intracranial pressure monitoring sensor.

Target participants

本コースは、普段から神経集中治療に携わっている、あるいは携わりたい脳神経外科医/救急医を対象としています。専攻医の先生方はもちろんですが、専門医の先生方にとっても充実したセミナーになると思います。また、ICUに携わっている看護師の方々にもわかりやすい解説を行います。

This course is intended for neurosurgeons/emergency physicians who are routinely involved in, or wish to be involved in, neurocritical care. It is a very fulfilling seminar not only for specialist doctors, but also for residents. In addition, we will provide easy-to-understand explanations for nurses who are involved in the ICU.

Learning objectives

By completing this course, participants will be able to

- Understand the rationale for the effectiveness of neurocritical care
神経集中治療の有効性の理論的根拠を理解できる
- Interpret the data from cranial neuromonitoring more accurately
脳神経モニタリングからのデータをより適切に解釈できる
- Respond appropriately to an ever-changing brain environment
刻々と変化する脳環境への適切な対応ができる
- Confidently determine the best treatment for severe brain disorders
重症の脳障害に対する最善の治療法を自信を持って決定できる

Faculty

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 Center Tokyo

TIME	AGENDA ITEM	FACULTY
8:30-8:40	Welcome and Introductions	
Module 1	Neurocritical Care Management	Moderator: Atsuhiko Nakagawa
8:40-9:00	Coagulation Management for TBI patients	Ryuta Nakae
9:00-9:20	Drug Treatment in Neurocritical Care	Takahiro Onuki
9:20-9:40	Targeted Temperature Management for Neuro-ICU patients	Motoki Fujita
9:40-10:00	Nutritional support for Neuro-ICU patients	Hiroshi Yatsushige
10:00-10:20	Coffee Break	
Module 2	Neuromonitoring	Moderator: Shoji Yokobori
10:20-10:40	Intracranial Pressure Monitoring	Naoto Shiomi
10:40-11:00	Management of Intracranial Hypertension	Kenji Dohi
11:00-11:20	Advanced Neuromonitoring in Neuro-ICU	Hiroyasu Koizumi
11:20-11:40	Goal-directed neurocritical care for TBI	David Okonkwo
11:40-12:00	Intracranial pressure monitoring on patient of brain injury (case study)	Guoyi Gao
12:00-12:15	Presentation for the hands-on session (ICP sensor insert) and division of group All participants	
12:15-12:35	Group A (est. 15 participants + 4-5 faculty) – Hands-on session Group B (est. 15 participant + 1-2 faculty) – Case discussion Group C (est. 15 participants) – Lunch break Group D (est. 15 participants) – Lunch break	
12:35-12:40	Rotation of group	
12:40-13:00	Group A (est. 15 participants + 1-2 faculty) – Case discussion Group B (est. 15 participant + 4-5 faculty) – Hands on session Group C (est. 15 participants) – Lunch break Group D (est. 15 participants) – Lunch break	
13:00-13:05	Rotation of group	
13:05-13:25	Group A (est. 15 participants) – Lunch break Group B (est. 15 participants) – Lunch Group C (est. 15 participants + 4-5 faculty) – Hands-on session Group D (est. 15 participants + 1-2 faculty) – Case discussion	
13:25-13:30	Rotation of group	

13:30-13:50	Group A (est. 15 participants) –Lunch break Group B (est. 15 participants) –Lunch break Group C (est. 15 participants + 1-2 faculty) – Case discussion Group D (est. 15 participants + 4-5 faculty) – Hands-on session	
Module 3	Neurocritical Care Tips by Generation	Moderator: Hiroshi Karibe
13:50-14:10	Management of Pediatric patients for Neuro-ICU	Takashi Araki
14:10-14:30	Management of Elderly patients for Neuro-ICU	Kotaro Oshio
14:30-14:50	Reversal therapy for anti-thrombotics in Neuro-ICU patients	Koji Fujita
14:50-15:10	Coffee break	
Module 4	Patient assessment	Moderator: Takeshi Maeda
15:10-15:30	Biomarkers in CNS diseases	Takayuki Motoshima
15:30-15:50	Acute coma awakening on neurocritical patients	Guoyi Gao
15:50-16:10	Classification of TBI including blood tests and CT scans	David Okonkwo
Module 5	Neurocritical treatment by disease Type	Moderator: Eiichi Suehiro
16:10-16:30	Neurocritical Care in Ischemic stroke	Kenya Kawakita
16:30-16:50	Neurocritical Care in SAH	Hitoshi Kobata
16:50-17:10	Neurocritical Care in Status Epilepticus	Motoki Inaji
17:10-17:20	Closing and group photo	

Event venue

Akasaka Campus, International University of Health and Welfare
4 Chome-1-26 Akasaka,
Minato City, Tokyo
107-8402, Japan

Event organization

Global Neuro Foundation

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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

USD 70

USD 35 (resident and nurse only)

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/59.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

Japanese and 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 Integra for providing educational support grants for this event.