Program

Global Neuro Advanced Course—Neurotrauma (INTS Pre-Course)

1 September, 2024

Cambridge, United Kingdom

Course description

This event covers the current best strategies and considerations for managing neurotrauma and spine injury 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 further deepen this knowledge and enrich the discussion on trauma management. Practical sessions teach the application of Global Neuro principles to the management of common injuries. Case-based discussions link the lecture material and practical skills with the clinical problems encountered in clinical practice.

Target participants

The course has been developed for:

- Neurosurgeons
- Spine surgeons
- Critical care physicians
- Neurosurgery and critical care nurses
- Mid-Level practitioners
- Neurosurgery residents and fellows
- Translational researchers interested in learning about clinical aspects of neurotrauma

Goal of the course

The Global Neuro Advanced Course—Neurotrauma covers the theoretical basis and practical principles for managing traumatic brain and spine injuries and making proper decisions in the complicated cases.

Learning objectives

Upon completion of this course, participants will be better able to:

- Review basic science and clinical translational advances in traumatic brain injury, cranial trauma, and spinal cord injury.
- Apply evidence-based decision-making to the management of patients with TBI and SCI.
- Select the best operative and non-operative treatment for each patient.
- Discuss advances in TBI's critical and neurocritical care in adults and children.
- Assess and manage patients with spinal trauma and spinal cord injury based on current guidelines.
- Identify the interventions suggested in areas with limited resources.

Faculty

Course Chair(s)

Ivan Timofeev
Cambridge University Hospitals
NHS Foundation Trust
Cambridge, United Kingdom

Peter Hutchinson
University of Cambridge
Cambridge, United Kingdom

Michael Fehlings
University of Toronto

Toronto, Canada

International Faculty

Andrew Reisner	Emory University	Atlanta	United States
Alexander Younsi	Heidelberg University Hospital	Heidelberg	Germany
Andrew Rubiano	El Bosque University	Bogotá	Colombia

Local Faculty

Adel Helmy	University of Cambridge	Cambridge	United Kingdom
Angelos Kolias	University of Cambridge	Cambridge	United Kingdom
Antonio Belli	University of Birmingham	Birmingham	United Kingdom
Andrea Lavinio	Cambridge University Hospitals	Cambridge	United Kingdom
Jibin Francis	University of Cambridge	Cambridge	United Kingdom
Mario Ganau	Oxford University Hospital	Oxford	United Kingdom
Marios Papadopoulos	St George's University of London	London	United Kingdom
Mark Kotter	University of Cambridge	Cambridge	United Kingdom
Mark Wilson	St Mary's Major Trauma Centre	London	United Kingdom
Peter Whitfield	University Hospital Plymouth	Plymouth	United Kingdom

Sunday, September 1, 2024

TIME	AGENDA ITEM	FACULTY
8:15–08:45	Registration / Coffee	
8:45–9:00	Welcome and Introductions	M Fehlings, P Hutchinson, I Timofeev
Session 1	Traumatic Brain Injury	Moderator: I Timofeev
09:00–09:45 09:00-09:15 09:15:09:30 09:30-09:45	State of the Art Update on Traumatic Brain Injury - Current research and emerging evidence in traumatic brain injury - Neurocritical Care of severe traumatic brain injury - Surgical management of traumatic brain injury	 A Belli A Lavinio P Whitfield
09:45 –09:55	Discussion	Moderator: I Timofeev
09:55–11.10 09:55-10:10 10:10-10:25 10:25-10:40 10:40-10:55 10:55-11:10	Interactive case discussions Challenging cases in brain and cranial trauma: • Severe TBI • Pediatric TBI • Late complications and cranioplasty • Coagulation and TBI • Monitoring and ICU	Moderator: A Kolias, I Timofeev M Wilson / P Hutchinson A Reisner A Kolias M Ganau A Helmy
11:10 – 11.30	COFFEE BREAK AND NETWORKING	
11:30–13:00 11:30-12:00 12:00-12:30 12:30-13:00	Hands-on Session: Participants will rotate through the following exercises • Decompressive Craniectomy and cranioplasty (A Rubiano / A Younsi / M Wilson) • EVD insertion and management (A Belli / P Whitfield / A Reisner) • Neuromonitoring (A Kolias / A Lavinio / P Hutchinson)	All faculty

13:00 – 14:00	Interactive luncheon with expert faculty	Moderator: M Fehlings, I Timofeev
Session 2	Traumatic Spinal Cord Injury	Moderator: J Francis
14:00–14:30	State of the Art Update on Traumatic Spinal Cord Injury	M Fehlings
14:30–14:45	Discussion	Moderator: J Francis
14:45–16:00 14:45-15:00 15:00-15:15 15:15-15:30 15:30-15:45 15:45-16:00	Interactive case discussions challenging cases in spine and spinal cord injury • Cervical fractures • Thoracolumbar fractures • Timing of Decompression • Intensive Care Management of SCI • Geriatric SCI patients, special considerations	Moderator: M Fehlings, M Kotter J Francis I Timofeev M Papadopoulos A Younsi M Fehlings
16:00–17:30 16:00-16:30 16:30-17:00 17:00-17:30	Hands-on Session 2: (Coffee will be served in parallel to the practical) • Spinal stabilization cervical (M Ganau / M Fehlings) • Spinal stabilization thoracolumbar (M Papadopoulos / J Francis) • Spinal Navigation & Minimally invasive spinal techniques (I Timofeev / M Kotter)	All faculty
17:30–17:40	Wrap-up and Course Evaluation	

Event Venue

Churchill College
Storey's Way, Cambridge CB3 ODS
United Kingdom

Event Organization

Global Neuro Foundation
Clavadelerstrasse 1
7270 Davos,
Switzerland

General information

Registration fee

EUR 120

Discount available for LMICs

Included coffee break, lunch break and course materials.

Registration

Click on the registration link below to register for the course:
https://globalneuro.org/EN/education/event-detail/72.html

European CME Accreditation

The course has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) in Brussels for a maximum of 7.0 European CME credits (ECMEC ®s).

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

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 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 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 grant support for this event.

And thank you for the commercial and in-kind support from Ntplast; and the in-kind support from DePuy Synthes, Medtronic.

CODMAN BREAKFAST SEMINAR

Is ICP more than a number?

Learn how to get the most out of ICP monitoring beyond treating a threshold and best practices for neuromonitoring in the ICU.

From ICP to IC More

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Agenda:

Introduction and session moderation
Professor Jefferson W. Chen
Professor of Neurological Surgery and Director of NeuroTrauma, University of California, Irvine

ICP beyond the number - Current limitations and future directions
Professor Francis Bernard
Assosicate clinical Professor, University of Montreal, Consultant Neurocritcal Care, Hôpital du Sacré-Coeur de Montréal (HSCM)

Case Report - Use of Pressure Time Burden in a patient with sTBI
Professor Antonio Belli
Professor of Trauma Neurosurgery, The University of Birmingham

Implementing Multimodality Monitoring at the Ground Level: Pearls and Barriers
Dr Patrick Ming Chen
Assistant Health Scienes Professor, Neurology with subspecialty training in Neurointensive Care, University of California, Irvine

Light buffet breakfast available from 07:30

Codman SPECIALTY SURGICAL
A DIVISION OF INTEGRA LIFESCIENCES

07:50 - 08:50 I Tuesday 3rd September, 2024
McGrath Auditorium, St. Catherine's College Trumpington Street, Cambridge CB2 1RL

CODMAN BREAKFAST SEMINAR

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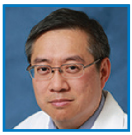
Moderator:



Jefferson W. Chen

Prof. Jefferson W. Chen is a board-certified UCI Health neurosurgeon who specializes in neurological trauma and critical care, normal pressure hydrocephalus, stroke and brain tumors. He is a leader in multimodal brain monitoring for traumatic brain injury. His research interests include the study of the molecular mechanisms and biochemical underpinnings of traumatic brain injury .

Speakers:

Francis Bernard

Prof. Francis Bernard is a consultant in critical care and neurocritical care at the Hôpital du Sacré-Coeur de Montréal (HSCM), associate clinical professor at the university of Montréal and co-director of the trauma and acute care research axis at HSCM's research center. Dr Bernard is the director of the neurological care unit (NCCU) of HSCM.

Antonio Belli

Prof. Belli is a Professor of Trauma Neurosurgery at the University of Birmingham, a Consultant Neurosurgeon at the Queen Elizabeth Hospital Birmingham and a NIHR Senior Investigator. His clinical and translational research focusses on neuromonitoring, diagnostics and novel therapeutics for neurotrauma. Through large NIHR grants, he has established collaborative research in trauma with several countries in Africa and Asia. Prof Belli is a passionate teacher and is founder and director of the Masters in Trauma Science at the University of Birmingham, which also offers a distance learning opportunity to students from low- and middle-income countries.

Patrick Ming Chen

Dr. Chen is a board certified neurologist with subspecialty training in Neurointensive Care. He is clinical attending on the Neurocritical Care, Neurohospitalist and TBI services. He is currently developing a dedicated TBI Consult Line & TBI/Concussion Clinic at UCI. Dr. Chen has a particular clinical research interest in the longitudinal care of traumatic brain injury patients.

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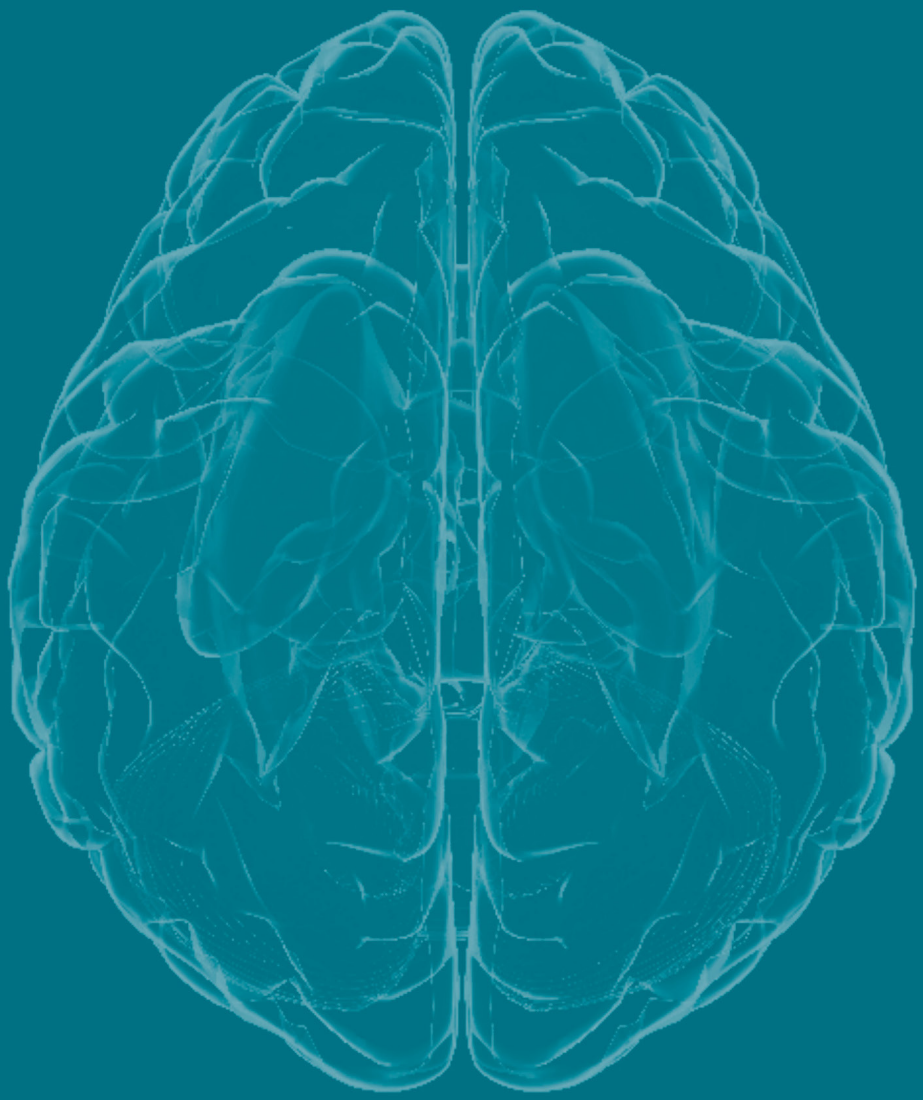

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Clavadelerstrasse 1 | 7270 Davos, Switzerland | info@globalneuro.org | T +41 79 337 0942
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