



Global Neuro Course:
Basic Neurosurgical Emergencies
(Diagnosis and Management)

17-18 July 2025

Oxford, United Kingdom

J. Radcliffe Hospital Simulation Centre

Course description

This course covers the current best strategies and considerations for managing neurosurgical emergencies in the Emergency Department, ICU, and Operating Room. It features an international faculty of experts and is based on competencies defined in Global Neuro's curriculum.

The course content is delivered using multiple methods, including lectures, small group workshops and simulated case scenarios. Comprehensive lectures concentrate on the understanding of core material. The small group sessions deepen this and enrich the discussion and learning.

Target participants

The target audience is clinicians involved in the acute management of cranial and spinal neurosurgical emergencies. The course will be particularly helpful for UK-based junior doctors preparing for the national selection for neurosurgical training and for international doctors in their first years of neurosurgical training.

Goal of the Course

The Global-Neuro Basic Neuro Surgical Emergencies Course covers the theoretical basis and practical principles in managing acute CNS injury in the emergency department, general ward and intensive care units.

Learning Objectives

By completing the course, participants will be better able to:

- Perform an appropriate initial assessment of adult and pediatric patients presenting with an acute central nervous system (CNS) injury
- Choose the appropriate investigations (including neuroradiology) and interpret the result
- Provide appropriate guideline-based patient-centered care and clinical management
- Apply and interpret intra-cranial monitoring and advanced diagnostics (e.g. EEG)
- Manage common complications, such as bleeding, swelling, infection, seizures and hydrocephalus

Faculty

Course Chairs

Mario Ganau	University of Oxford	Oxford	United Kingdom
Ivan Timofeev	University of Cambridge	Cambridge	United Kingdom

International faculty (inviting)

Salvatore Chibbaro	University of Siena	Siena	Italy
Michael G. Fehlings	University of Toronto	Toronto	Canada
Gregory Hawryluk	Brain Trauma Foundation	Cleveland	United States
Randy Bell	Brain Trauma Foundation	Sioux Falls	United States

National faculty (confirmed)

Chris Uff	QMUL	London	United Kingdom
Deva Sanjeeva Jeyaretna	University of Oxford	Oxford	United Kingdom
Simon Cudlip	OUH NHS FT	Oxford	United Kingdom
Lara Prisco	University of Oxford	Oxford	United Kingdom
Andrea Ghidoni	OUH NHS FT	Oxford	United Kingdom
Edoardo Viaroli	University of Cambridge	Cambridge	United Kingdom

TBC: Neuroradiology and ED Faculty speakers at Oxford University Hospitals NHS FT

DAY 1: Thursday 17 July, 2025
J.RADCLIFFE HOSPITAL LECTURE THEATRE & SIMULATION CENTRE

TIME	AGENDA				PRESENTER
14.00-14.05	Introduction and Objectives				Mr. M. Ganau Mr. I. Timofeev
14.05-15.45	Cranial Emergencies 1: Lecture Theatre				Moderator: Mr M.Ganau
14.05- 14.30	A team leader approach to the unconscious patient				Dr Bell
14.30-14.55	Neuroradiology - TBI & SAH				Prof Chibbaro
14.55-15.20	Invasive and Non-Invasive Neuromonitoring in NICU				Dr Ghidoni
15.20-15.45	Guidelines on management of ICH				Mr Uff
15.45-16:00	COFFEE/TEA BREAK				FOYER
16.00-16.50 Guest Lecture					
General Adult and Pediatric BTF Guidelines (20m) (5m Q&A)					Prof G. Hawryluk / Dr. Randy Bell
Prehospital and Penetrating TBI Guidelines (20m) (5m Q&A)					Dr. Randy Bell
16.50-18.30	Workshop Session				
	Workshop 1 Intra-Cranial Bolt and EVD Insertion and Management	Workshop 2 ICH Diagnosis and Management	Workshop 3 Basic Craniotomy and Reconstruction Techniques	Workshop 4 Optic Nerve Ultrasound & TCD	Workshop 5 Brain Injury Biomarkers
16:50–17:10	Group 1	Group 2	Group 3	Group 4	Group 5
17.10–17.30	Group 5	Group 1	Group 2	Group 3	Group 4
17.30-17.50	Group 4	Group 5	Group 1	Group 2	Group 3
17.50-18.10	Group 3	Group 4	Group 5	Group 1	Group 2
18.10-18.30	Group 2	Group 3	Group 4	Group 5	Group 1
18.30	Closing Remarks				Mr M.Ganau

DAY 2: Thursday 18 July, 2025 J.RADCLIFFE HOSPITAL LECTURE THEATRE & SIMULATION CENTRE				
TIME	AGENDA		PRESENTER	
8:15-8:30	Re-convene		Mr. M. Ganau Mr. I. Timofeev	
8:30-10:30	Cranial Emergencies 2: Lecture Theatre		Moderator:	
08.30-08.55	Neuro-Oncology Emergencies		Prof Plaha	
08.55-09.20	Primary and Post-Surgical CNS Infection		Mr Viaroli	
09.20-09.45	Pituitary Apoplexy		Mr Cudlip	
09.45-10.10	Hydrocephalus: IIH and Blocked Shunt		Mr Jeyaretna	
10.10-10.35	Guidelines on Status Epilepticus management		Dr L. Prisco	
10.35-10.50	TEA/COFFEE BREAK		FOYER	
10:50-1:30	Spinal Emergencies: Lecture Theatre		Moderator: Mr M. Ganau	
10.50-11.15	AO Spine Classification of Spinal Fractures		Prof Fehlings	
11.15-11.40	Metastatic Epidural Spinal Cord Compression (MESCC)		Prof Chibbaro	
11.40-12.05	Cauda Equina Syndrome (CES): GIRFT recommendations		Mr Timofeev	
12.05-13.30 Guest Lecture				
Traumatic SCI WFNS, CNS and AO Guidelines			Prof M.G. Fehlings	
13.30-14.30	LUNCH BREAK		FOYER	
Acute Spine Injury Case Discussion (10m)			LOCAL Faculty	
14.40-15:50	Simulation Session			
	Simulation 1 Basic Spine Instrumentation in Emergency Cases (Cervical / T. Lumbar)	Simulation 2 Neuro-Navigation For Selected Emergency Cases in Spine & Brain	Simulation 3 Shunts in Neuro Emergencies	Simulation 4 Hemostatic Agents for Neuro Emergencies (Brain & Spine)
14.40–15.10	Group 1 A & B	Group 2 A & B	Group 3 A & B	Group 4 A & B

DAY 2: Thursday 18 July, 2025 J.RADCLIFFE HOSPITAL LECTURE THEATRE & SIMULATION CENTRE				
TIME	AGENDA		PRESENTER	
15:10–15:50	Group 4 A & B	Group 1 A & B	Group 2 A & B	Group 3 A & B
15:50-16:20	Course completion (questions, discussion, and evaluation)		Lecture Theatre	

Event organization

Global Neuro Foundation

Clavadelerstrasse 8

7270 Davos

Switzerland

Website: www.globalneuro.org

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 Neuro surgeon 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

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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 Course—Basic Neurosurgical Emergencies:

<https://globalneuro.org/EN/education/event-detail/100.html>

Accreditation

xxx.

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

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

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.