



Global Neuro

Event program

Global Neuro Course

Neurotrauma, incl. Wetlab.

13-14 November 2022

Cape Town, South Africa



Photo by: Tony Figaji

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Global Neuro welcomes you

On January 1, 2018, AONeuro became Global Neuro for the purpose of broadening our geographic 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, neuro intensivists, neuroanesthesiologists, neuroradiologists, and other neuro professionals to provide comprehensive education and program development opportunities.

Medicine, 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 in 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.

Please join our network of professionals, as we work together to improve the results in neuro care and rehabilitation for all our patients.

Warm regards,



Paul N. Manson MD
Chairman Global Neuro



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 further deepen this knowledge and enrich the discussion in trauma management. Practical cadaver-based 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.

Goal of the course

The Global Neuro Neurotrauma course covers the theoretical basis and practical principles that are the foundation for managing cranial neurotrauma.

Target participants

The Global Neuro Neurotrauma Course has been developed for residents, surgeons, and physicians who manage cranial neurotrauma.

Learning objectives

By completing the neurotrauma workshop, participants will be better able to:

- Perform ICP monitoring and interpretation to guide treatment interventions
- Incorporate the principles of cerebral autoregulation into management goals
- Manage cranial neurotrauma in adult, pediatric, and polytrauma patients
- Conduct advanced neuromonitoring
- Plan and perform appropriate operative treatment (eg decompressive craniotomy, cranial reconstruction)
- Plan and perform the following operative techniques: burr hole, ICP monitor and EVD placement, decompressive craniotomy, dural enlargement, cranioplasty and ventriculostomy procedures
- Manage common complications, such as bleeding, expanding intracranial hematomas, swelling, infection, and hydrocephalus
- Become familiar with international neurotrauma management guidelines

Chairpersons



Dr Nico Enslin

Division of Neurosurgery
Department of Surgery
University of Cape Town
Cape Town, South Africa



Prof Anthony Figaji

Division of Neurosurgery
Department of Surgery
University of Cape Town
Cape Town, South Africa

International Faculty

Peter Hutchinson

Peter Smielewski

Maximiliano Nuñez

Cambridge University

Cambridge University

Stanford University

Cambridge, UK

Cambridge, UK

Stanford, USA

National Faculty

Nqobile Thango

Christel Arnold-Day

Allan Taylor

David LeFeuvre

University of Cape Town

University of Cape Town

University of Cape Town

University of Cape Town

Cape Town, RSA

Cape Town, RSA

Cape Town, RSA

Cape Town, RSA

Day 1, 13 November 2022

TIME	AGENDA ITEM	FACULTY
	NEUROSCIENCE INSTITUTE: <i>AUDITORIUM</i>	
08:00 – 08:20	Registration	
08:20 – 08:30	Welcome and Introductions	Chairpersons
Module 1	Neuromonitoring	Moderator: Peter Hutchinson
08:30 – 08:50	Principles of monitoring and managing ICP, CPP, and autoregulation in neurotrauma	Tony Figaji
08:50 – 09:10	Microdialysis and monitoring brain metabolism as part of neurotrauma care	TBD
09:10 – 09:30	Integrating different modalities of neuromonitoring to improve neurotrauma care	Anthony Figaji
09:30 – 09:40	Discussion	Moderator
Module 2	TBI Management	Moderator: Tony Figaji
09:40 – 10:00	Neurotrauma to the developing brain – physiological and management considerations	Nqobile Thango
10:00 – 10:20	Managing vascular emergencies in TBI	David LeFeuvre/Allan Taylor
10:20 – 10:40	Managing the TBI patient as a whole	Christel Arnold- Day
10:40 – 11:00	Coffee break and Networking	
11:00 – 11:20	Decompressive craniectomy techniques and considerations for the management of neurotrauma	Peter Hutchinson
11:20 – 11:30	Discussion	Moderator
Module 3	Research, data, and best practice in TBI management	Moderator: Ursula Rohlwink
11:30 – 11:50	International TBI guidelines – panel discussion	Faculty
11:50 – 12:10	The value of high frequency data monitoring in neurotrauma care and research	Peter Smielewski
Module 4	Anatomy	Moderator: Nico Enslin
12:10 – 13:00	3D anatomy of the tentorium incisura and skull base	
13:00 – 14:00	Lunch	

14:00 - 16:00	Group 1:Case Presentations: Neuroscience Institute Auditorium	Faculty
14:00 - 16:00	Group 2: Hands-on cadaver Practicals: Bolt and monitor insertion and decompressive craniectomy: Neuroscience Institute Innovation Lab	Faculty

Day 2, 14 November 2022

TIME	AGENDA ITEM	FACULTY
	NEUROSCIENCE INSTITUTE: <i>INNOVATION LAB</i>	
8:00 – 12:20	Hands-on cadaver practicals (Group 2 only) <ul style="list-style-type: none"> - Introduction to drills in Neurosurgery – Nico Enslin - Skull anatomy and landmarks – Nico Enslin - Cranioplasty techniques: Demonstration of Ventriculostomy and uses in TBI: Demonstration - Participant hands-on techniques - Questions and discussion 	Faculty
12:20 - 12:30	Closing Remarks And Evaluation	Chairpersons

Event organization

Global Neuro Foundation

Andrea Escobar
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7270 Davos, Switzerland
Phone: +57 310 800 4509
Email: andrea.escobar@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 industrial/commercial partners for in-kind support to run simulations/skills training if educationally needed.

Event organization compliance

In certain countries where Global Neuro has no office but offers educational events, the Global Neuro cooperates with third-party companies to conduct local organization and logistics, as well as to communicate with participants in the local language. In these cases, the Global Neuro Foundation has put rules and guidelines in place (Letter of Secondment, Global Neuro Foundation—Principles of Educational Events) to ensure that this cooperation has no impact on the curricula, scientific program, or faculty selection.

Event information

Event fee

\$500 USD

1. Global Neuro Course: lectures and hands-on cadaver practicals (1.5 days)
 - a. ICP 2022 participant discount (20%)
 - b. LMICs discount for ICP 2022 participant (76%)
 - c. HICs resident discount for ICP participant (36%)
 - d. HICs resident discount (20%)
 - e. LMICs Resident rate (75%)

Included in the course fee are a conference bag with course material, coffee breaks, lunches and a course certificate.

Registration

For registration and please visit our homepage <https://globalneuro.org/EN/education/event-detail/46.html>



CME Accreditation

An application has been made to the South African Medical Association for CME accreditation of this event.

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 on-site by audience response system (ARS) or paper and pencil questionnaires. This helps Global Neuro to ensure that we continue to meet your training needs.

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.aofoundation.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.

Security

Security checks may be conducted at the entrance of the building. Wearing of a name tag is compulsory during lectures, practical exercises, and group discussions.

No insurance

The event organization does not take out insurance to cover any individual against accidents, theft or other risks.

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.

Dress code

Casual



Event venue

University of Cape Town Neuroscience Institute
J Block
Groote Schuur Hospital
Anzio Road, Observatory
7935
Cape Town, South Africa
Phone: +27 82 223 4684, +27 82 099 1779
Email: icp2022@paragonafrica.co.za
Website: www.neuroscience.uct.ac.za



Transportation

Transportation for registered delegates of the ICP 2022 meeting will be available from the University of Cape Town Graduate School of Business.

Accommodation for participants

Preferential rates have been negotiated for ICP Conference participants. All hotels are within walking distance of the Conference Venue.

Protea Hotel Cape Town Waterfront Breakwater Lodge

Housed in a historic 19th-century building, this hotel boasts an unbeatable location in the heart of the city, within view of the majestic V&A Waterfront and Table Mountain

The Commodore Hotel

Located in the Victoria & Alfred Waterfront, The Commodore Hotel provides sweeping views of Table Mountain, Cape Town Harbour and Robben Island.

The Portsworld Hotel

Experience a piece of Cape Town's rich history when you stay at The Portsworld Hotel. Located at the entrance to the Victoria & Alfred Waterfront, the lobby and restaurant are built around a 300 year old well and the cells which held prisoners on their way to Robben Island.



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 AO Education Institute. 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 (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) Use of technologies and products in simulations

If case simulations are chosen as an educational method to develop skills, we only use technology approved by our foundation board—an independent group of volunteer surgeons developing and peer-reviewing new technology.

5) Personnel

Industry staff is not allowed to interfere with the educational content or engage in educational activities during the event.