



Global Neuro



Intensive
Care Unit
Part of **AlfredHealth**

Event Program

Global Neuro Course— Neuro-Emergencies Care

February 22–23, 2024 | Melbourne, Australia



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Course description

This course covers the current best strategies and considerations for managing neurological 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 (medical, nursing, and allied health staff) caring for adults suffering an acute central nervous system (CNS) injury.

Goal of the course

The Global Neuro Course–Neuro–Emergencies Care Course covers the theoretical basis and practical principles in managing acute CNS injury in adults.

Learning objectives

By completing this advanced course, participants will be better able to:

- Perform an appropriate initial assessment of adult patients presenting with an acute 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 and hydrocephalus

Course Chairs



Andrew Udy
The Alfred Hospital
Melbourne, Australia



Natalie Apelbaum
The Alfred Hospital
Melbourne, Australia

International Faculty

Gentle Shrestha	Tribhuvan University Teaching Hospital	Kathmandu, Nepal
Andres M. Rubiano	El Bosque University	Bogota, Colombia

Yu-Lin Wong	Tan Tock Seng Hospital	Singapore
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National Faculty

James Anstey	The Royal Melbourne Hospital	Melbourne, Australia
Catherine Bell	The Alfred Hospital	Melbourne, Australia
Andrew Hooper	The Alfred Hospital	Melbourne, Australia
Toby Jeffcote	The Alfred Hospital	Melbourne, Australia
Rob McNamara	Royal Perth Hospital	Perth, Australia
Xiuxian Pham	The Alfred Hospital	Melbourne, Australia
Mark Weeden	St. George's Hospital Sydney	Sydney, Australia

Course agenda

Thursday, February 22, 2024

TIME	AGENDA ITEM					FACULTY
08:00–08:15	Registration					
08:15–08:30	Introduction and Objectives					Andrew Udy
Module 1						Moderator: Andrew Udy
08:30–08:50	The neurological examination and approach to the unconscious patient					Natalie Apelbaum
08:50–09:15	Basic extra-cranial physiological support following an acute brain insult					Gentle Shrestha
09:15–09:40	TBI assessment, resuscitation and pronostication					Andrew Hooper
09:40–10:10	Intra-cranial monitoring and personalized care following TBI					Yu-Lin Wong
10:10–10:30	Integration of invasive and non-invasive neuromonitoring in TBI care					Andres Rubiano
10:30–11:00	COFFEE BREAK					Foyer
Module 2						Moderator: Natalie Apelbaum
11:00–11:30	Neuroradiology					Mark Weeden
11:30–12:30	Workshop session					
	Workshop 1 Intra-cranial bolt and EVD insertion, ICP / P _{bt} O ₂ Monitoring and post-procedure care <i>Andres Rubiano & Catherine Bell</i>	Workshop 2 Neurological Assessment and ICM+ <i>Rob McNamara & Natalie Apelbaum</i>	Workshop 3 EEG / cEEG / barbiturate coma <i>Xiuxian Pham & Yu-Lin Wong</i>	Workshop 4 Neuroradiology <i>Mark Weeden & Andrew Hooper</i>	Workshop 5 Optic Nerve Sheath Ultrasound <i>Gentle Shrestha</i>	
11:30–12:00	Group 1	Group 2	Group 3	Group 4	Group 5	
12:00–12:30	Group 5	Group 1	Group 2	Group 3	Group 4	

TIME	AGENDA ITEM				FACULTY	
12:30-13:15	LUNCH				Foyer area	
Module 3					Moderator: Andrew Udy	
13:15-13:45	Ischaemic stroke assessment and resuscitation				James Anstey	
	Workshop 1 Intra-cranial bolt and EVD insertion, ICP / P _{bt} O ₂ Monitoring and post-procedure care. <i>Andres Rubiano & Catherine Bell</i>	Workshop 2 Neurological Assessment and ICM+ <i>Rob McNamara & Natalie Apfelbaum</i>	Workshop 3 EEG / cEEG / barbiturate coma <i>Xiuxian Pham & Yu-Lin Wong</i>	Workshop 4 Neuroradiology <i>Mark Weeden & Andrew Hooper</i>	Workshop 5 Optic Nerve Sheath Ultrasound <i>Gentle Shrestha</i>	
13:45-14:15	Group 4	Group 5	Group 1	Group 2	Group 3	
14:15-14:45	Group 3	Group 4	Group 5	Group 1	Group 2	
14:45-15:15	Group 2	Group 3	Group 4	Group 5	Group 1	
15:15 - 15:40	COFFEE BREAK				Foyer area	
15:40-16:10	SAH: assessment, resuscitation and ongoing care				Toby Jeffcote	
16:10-16:30	Day 1 Final remarks and Group photo				Andrew Udy	
16:45-17:45	Networking drinks at Hop Garden				All welcome	

Friday, February 23, 2024

TIME	AGENDA ITEM				FACULTY
8:15–08:30	Re-convene				Andrew Udy
Module 4					Andrew Udy
08:30–09:00	Status Epilepticus: Assessment and management options				Xiuxian Pham
09:00–09:30	Intracerebral haemorrhage: Management update (including minimally invasive surgery)				Andres Rubiano
09:30–10:00	Hypoxic–ischaemic encephalopathy				Gentle Shrestha
10:00–10:30	CNS infection: Identification and treatment				Yu–Lin Wong
10:30–11:00	COFFEE BREAK				Foyer area
Module 5					Natalie Apelbaum
11:00–11:30	Traumatic spinal cord injury – assessment, resuscitation, and ongoing care				Andres Rubiano
11:30–12:50	Simulation Session				
	Simulation 1 Decreased LOC <i>Andrew Udy & Catherine Bell</i>	Simulation 2 TBI and raised ICP <i>Toby Jeffcote & Rob McNamara</i>	Simulation 3 Status epilepticus <i>Natalie Apelbaum & James Anstey</i>	Simulation 4 SAH (re-bleed) <i>Andrew Hooper & Mark Weeden</i>	
11:30–12:10	Group 1 A & B	Group 2 A & B	Group 3 A & B	Group 4 A & B	
12:10–12:50	Group 4 A & B	Group 1 A & B	Group 2 A & B	Group 3 A & B	
12:50–13:30	LUNCH				Foyer area

TIME	AGENDA ITEM				FACULTY
Module 6					Natalie Apfelbaum
13:30–14:00	Latest advances and evidence in neurocritical care				Andrew Udy
	Simulation 1 Decreased LOC <i>Andrew Udy & Catherine Bell</i>	Simulation 2 TBI and raised ICP <i>Toby Jeffcote & Rob McNamara</i>	Simulation 3 Status epilepticus <i>Natalie Apfelbaum & James Anstey</i>	Simulation 4 SAH (re-bleed) <i>Andrew Hooper & Mark Weeden</i>	
14:00–14:40	Group 3 A & B	Group 4 A & B	Group 1 A & B	Group 2 A & B	
14:40–15:20	Group 2 A & B	Group 3 A & B	Group 4 A & B	Group 1 A & B	
15:20–15:45	Course completion (questions, discussion, and evaluation)				Andrew Udy
15:45 – 16:00	Closing remarks Day 2				

Course venue

Innovation & Education Hub

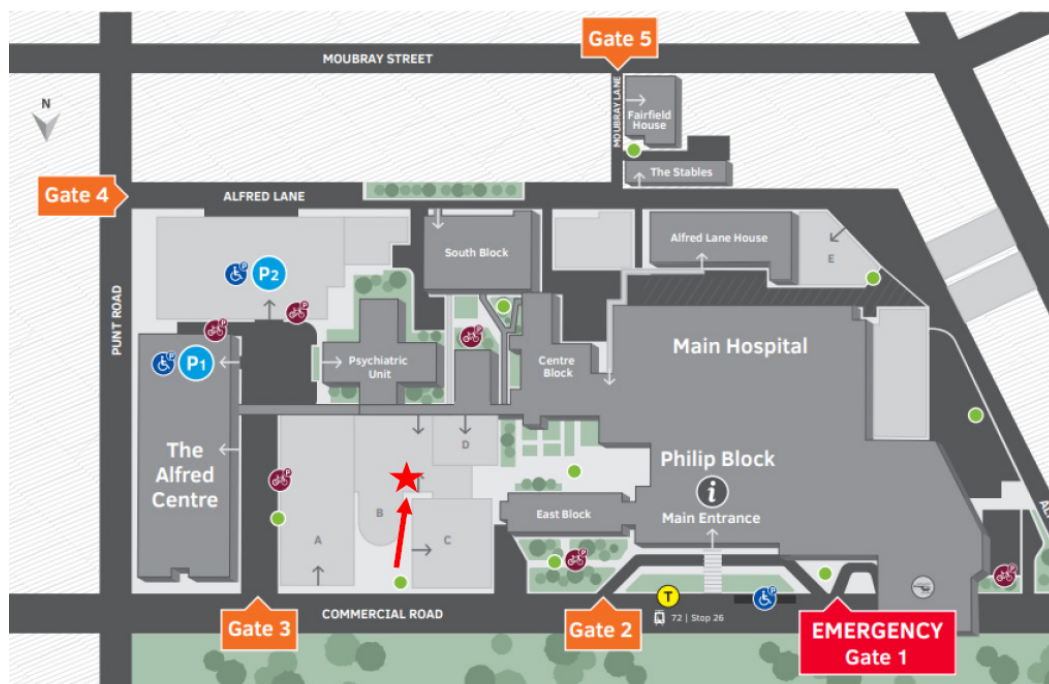
The Alfred

75 Commercial Road

Melbourne

VIC 3004

www.alfredhealth.org.au



Gate 1	Gate 2	Gate 3	Gate 4	Gate 5
Emergency	Main Hospital - Main Ward Block - Centre Block - East Block - Phillip Block - Alfred Lane House	Parking The Alfred Centre Alfred Lane House The Stables	Staff Parking South Block	Staff Parking Fairfield House

Key			
	Accessible Parking		Garden
	Public Parking		Path
	Bicycle Parking		Road
	Taxi Rank		Restricted access
	Tram		Helicopter Pad
	Assembly point		Main Hospital Reception

A	Burnet Institute
B	AMREP Education Centre
C	Baker Heart and Diabetes Institute
D	Ian Potter Library
E	Child Care Centre

Event organization

Global Neuro Foundation

Clavadelerstrasse 1

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 Neurosurgeon groups based on local needs assessment. We rely on commercial partners for in-kind support to run simulations/skills training if educationally needed.

Course information

Event fee

USD 740 (AUD 1,100)–
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—Neuro-emergency Care**:
<https://globalneuro.org/EN/education/event-detail/67.html>

CME Accreditation

For this event, we got the accreditation from Australasian College for Emergency Medicine (ACEM), Australian and New Zealand Intensive Care Society (ANZICS), Royal Australasian College of Surgeons (RACS) and Australian Health Practitioner Regulation Agency (AHPRA). For details, please refer to their website.

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 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 of 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 to 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.



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.

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 support grants for this event.



Also, thanks to Becton Dickinson Pty. Ltd and NeurOptics for their commercial support.



Codman® CereLink™

ICP monitoring system



From ICP to IC More.
CereLink™ provides continuous
ICP burden data^{1,2} & minimal
drift up to 30 days.



1. Vik et al, Relationship of “dose” of intracranial hypertension to outcome in severe traumatic brain injury, J Neurosurg 109:000–000, 2008.

2. Güiza et al; Visualizing the pressure and time burden of intracranial hypertension in adult and paediatric traumatic brain injury. Intensive Care Med. 2015;41(6):1067-76.

Indications CereLink™ Monitor: The ICP Monitor is intended for use as an interface between compatible strain gauge type pressure transducers and standard physiological pressure monitoring systems. The ICP Monitor is also intended for use as an independent pressure monitor for displaying the mean, systolic and diastolic numeric values of a physiologic pressure waveform in the absence of an external patient monitor.

Contraindications CereLink™ Monitor: The ICP Monitor is contraindicated for use in a Magnetic Resonance (MR) environment. Refer to the ICP Sensor IFU for MR environment use. Use of the kit is indicated when direct intracranial pressure (ICP) monitoring is required. The kit is indicated for use in both subdural and intraparenchymal pressure monitoring applications.

Availability of these products might vary from a given country or region to another, as a result of specific local regulatory approval or clearance requirements for sale in such country or region.

- Non contractual document. The manufacturer reserves the right, without prior notice, to modify the products in order to improve their quality.
- Warning: Applicable laws restrict these products to sale by or on the order of a physician.
- Consult product labels and inserts for any indications, contraindications, hazards, warnings, precautions, and instructions for use.

For more information or to place an order, please contact:

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New Zealand 0800 400 660 office ■ 0800 400 770 fax ■ ordersnz@integralife.com
integralife.com

Manufacturer:
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11 Cabot Boulevard
Mansfield, MA 02048 USA



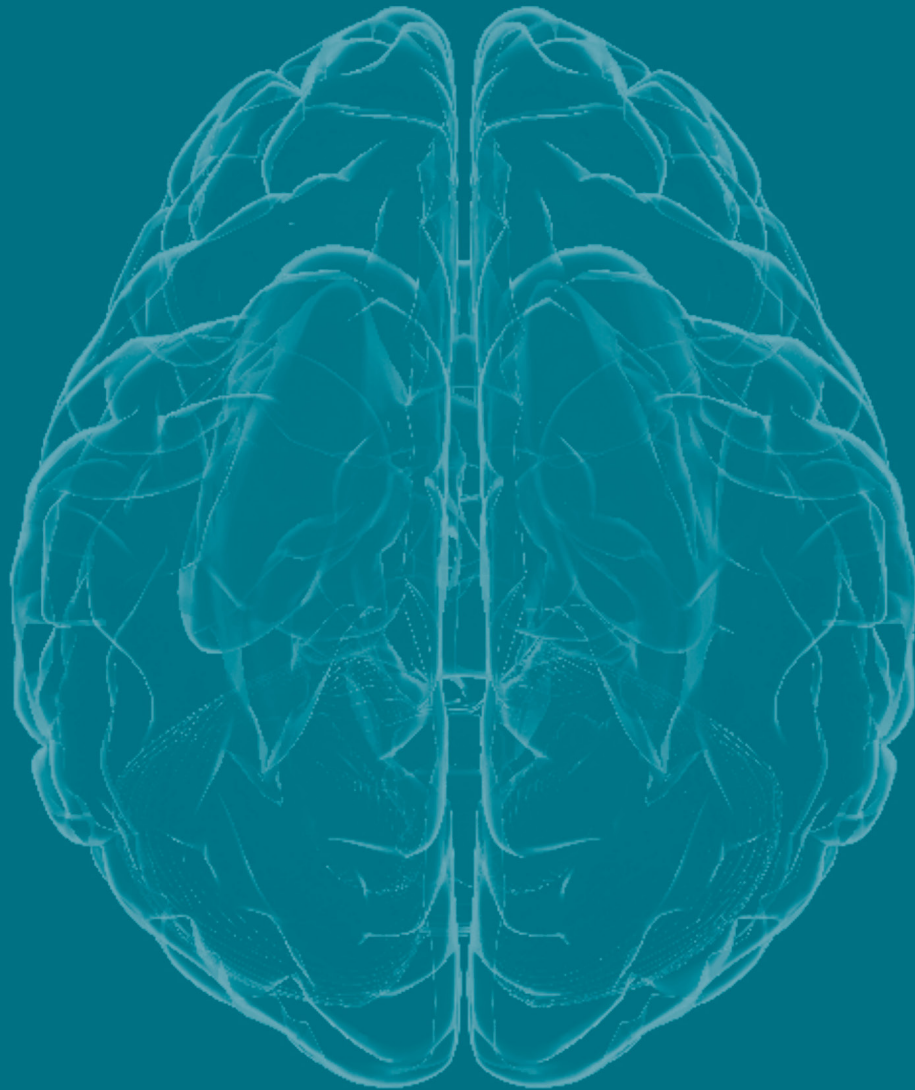
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Notes

Notes



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