



Neurosurgical Emergencies Virtual Course

April 2, 9, 16, 2025

Zoom

Course Description

This course is designed for neurosurgeons, neurosurgery advanced practice providers (APPs), neurologists, intensivists, and emergency medicine physicians. It provides information about state-of-the-art diagnosis, workup and first-line treatments for neurosurgical emergencies. Covered in detail are: resuscitation, advances in stroke management, the ever-changing landscape of anticoagulation, TBI, spine trauma, postoperative management, prognosis, and the care of the elderly with neurosurgical issues. Learning will be enhanced with active teaching techniques including case-based discussions as well as instruction by world experts.

Learning Objectives

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

1. Describe and discriminate state-of-the-art treatment for neurosurgical emergencies including emergency department resuscitation and imaging.
2. Apply up-to-date stroke management for patients with hemorrhage or ischemic stroke including aneurysmal subarachnoid hemorrhage
3. Execute correct anticoagulation reversal and initiation in the setting of an intracranial hemorrhage.
4. Assemble an effective interprofessional team to treat neurosurgical emergencies including APPs.
5. Review and apply new evidence-based literature to neurosurgical emergencies.

Accreditation Statement

The Congress of Neurological Surgeons is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Credit Designation Statement

The CNS designates this live activity for a maximum of **11.25 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Agenda

All times are listed in Central Time

April 2

Time	Session Name	Speaker
12:00-12:10 pm	Course Welcome	Phil Taussky
12:10-1:15 pm	Session I: ICH	
12:10-12:15 pm	Introduction - ICH Case	Moderator: Phil Taussky
12:15-12:30 pm	Operative Management (EVD, Minimally Invasive, Open)	Gustavo Pradilla
12:30-12:45 pm	ICU Management	Kimberly Kicielinski
12:45-1:00 pm	Prognosis and ICH Management in the Elderly	Louise McCullough
1:00-1:15 pm	Panel Discussion and Cases	All Session Faculty
1:15-1:30 pm	Break	
1:30-2:45 pm	Session II: Aneurysm Rupture	Moderator: Brian Jankowitz
1:30-1:45 pm	Initial Stabilization in SAH	Alvin Das
1:45-2:00 pm	Securing the Aneurysm (Clipping versus Coiling)	Chris Ogilvy
2:00-2:15 pm	Vasospasm and Other Complications	Tiffany Chang
2:15-2:30 pm	Prognosis and Novel Treatments in SAH	Kevin Akeret
2:30-2:45 pm	Panel Discussion and Cases	All Session Faculty
2:45-4:00 pm	Session III: Stroke	Moderator: Kevin Akeret
2:45-3:00 pm	Initial Treatment for Ischemic Stroke (tPA, Thrombectomy)	Spiros Blackburn
3:00-3:15 pm	Open Surgical Interventions in Ischemic Stroke	Victor Volovici
3:15-3:30 pm	Prognosis and Large Territory Ischemic Stroke in the Elderly	Rosalind Lai
3:30- 4:00 pm	Panel Discussion and Cases	All Session Faculty

April 9

Time	Session Name	Speaker
12:00-12:10 pm	Course Welcome	David Okonkwo
12:10-1:15 pm	Session IV: Spinal cord injury	
12:10-12:15 pm	Introduction - SCI Case	Moderator: David Okonkwo
12:15-12:30 pm	Initial Stabilization and Imaging in SCI	Deborah Stein
12:30-12:45 pm	Timing of Intervention (Spine Fractures and Central Cord)	John Williams
12:45-1:00 pm	Prognosis and SCI Management in the Elderly	Ziev Moses
1:00-1:15 pm	Panel Discussion and Cases	All Session Faculty
1:15-1:30 pm	Break	
1:30-2:45 pm	Session V: Degenerative Spine in the ED	Moderator: Ann Parr
1:30-1:45 pm	The Spine Exam (ASIA, Levels, Reflexes)	Julie Chan

	1:45-2:00 pm	Spine or Peripheral Nerve?	Robert Spinner
	2:00-2:15 pm	Degenerative Spine Emergencies	Martin Pham
	2:15-2:30 pm	The Postop Spine Patient	Lara Massie
	2:30-2:45 pm	Panel Discussion and Cases	All Session Faculty
2:45-4:00 pm		Session VI: Spine Stabilization	Moderator: Lara Massie
	2:45-3:00 pm	Spinal Stabilization (Surgery, Bracing, Neither)	Nitin Agarwal
	3:00-3:15 pm	Cervical Spine Clearance	Timothy Beutler
	3:15-3:30 pm	Options in Spine Surgery (MIS, Robot, Open)	Khoi Than
	3:30-4:00 pm	Panel Discussion and Cases	All Session Faculty
April 16			
Time	Session Name		Speaker
12:00-12:10 pm	Course Welcome		Ryan Kitagawa
12:10-1:15 pm	Session VII: TBI		
	12:10-12:15 pm	Introduction - TBI Case	Moderator: Ryan Kitagawa
	12:15-12:30 pm	Initial Stabilization and Imaging in TBI	Olivia Sapia
	12:30-12:45 pm	Surgical Management in TBI	Laura Ngwenya
	12:45-1:00 pm	ICP and ICU Management in TBI	Alan Hoffer
	1:00-1:15 pm	Panel Discussion and Cases	All Session Faculty
1:15-1:30 pm	Break		
1:30-2:45 pm	Session VIII: Anticoagulation in Neurosurgery		Moderator: Patti Raksin
	1:30-1:45 pm	When/How to Reverse Coagulopathy in Intracranial Hemorrhage	Emily Sieg
	1:45-2:00 pm	DVT Chemoprophylaxis in Neurosurgery	Berje Shammassian
	2:00-2:15 pm	Blunt Vascular Injury	Ramesh Grandhi
	2:15-2:30 pm	Anticoagulation After Intracranial Hemorrhage	T. Jayde Nail
	2:30-2:45 pm	Panel Discussion and Cases	All Session Faculty
2:45-4:00 pm	Session IX: Misc Topics		Moderator: Martina Stippler
	2:45-3:00 pm	Hyper Intense Conversations in Neurocritical care	Lori Shutter
	3:00-3:15 pm	Emergencies in Neuro-Oncology	Akash Patel
	3:15-3:30 pm	Disorders of CSF (Hydrocephalus, CSF leakage)	Jordan Komisarow
	3:30-3:45 pm	The Postop Cranial Patient	Matthew Pease
	3:45-4:00 pm	Panel Discussion and Cases	All Session Faculty

Agenda and faculty subject to change

RELEVANT CONFLICT OF INTEREST DISCLOSURES

CNS Disclosure Policy

The Congress of Neurological Surgeons controls this CME activity's content and production and attempts to ensure the presentation of balanced, objective information. Per the Standards for Integrity and Independence in Accredited Continuing Education established by the Accreditation Council for Continuing Medical Education (ACCME), speakers are asked to disclose all relationships they have with ineligible companies* over the previous 24 months that may be related to the content of their lecture. Speakers who have disclosed a relationship with an ineligible company whose products may have a relevance to their presentation are listed below.

Any planner, reviewer, or faculty member not on the disclosure list has reported that they have nothing to disclose.

All relevant financial relationships listed for these individuals have been mitigated.

**Ineligible companies are those whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients. An ineligible company is not eligible for ACCME accreditation or participation in Joint Providership.*

Agenda and faculty subject to change

Reviewers

Individual's Name	Name(s) of Ineligible Company	Nature of Relationship(s)
Akash Patel	N/A	Nothing to Disclose

Planners

Individual's Name	Name(s) of Ineligible Company	Nature of Relationship(s)
David Okonkwo	NuVasive, ZimVie	Royalty
Phil Taussky	Cerenovus, Medtronic, Phenox	Consulting Fee

Individual's Name	Name(s) of Ineligible Company	Nature of Relationship(s)
Nitin Agarwal	DePuy Synthes	Contracted Research
Ramesh Grandhi	Balt Neurovascular, Cerenovus Medtronic Neurovascular, Rapid Medical	Consulting Fee
Ziev Moses	Enovis , Medtronic, RevBio	Consulting Fee
Laura Ngwenya	Abbott, Biogen / IQVIA	Contracted Research
Ann Parr	Abbott Laboratories	Contracted Research
Martin Pham	Carlsmed, Globus, Medtronic	Consulting Fee
Gustavo Pradilla	Stryker	Consulting Fee
Deborah Stein	CSL Behring	Consulting Fee
Martina Stippler	Atech	Consulting Fee

Khoi Than	Bioventus, Cerapedics, DePuy Synthes, NuVasive	Consulting Fee
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EDUCATION GRANTS & IN-KIND EQUIPMENT

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