

Neurosurgery – A Comprehensive Review

Full Course:	35.75 AMA PRA Category 1 Credits
Format:	Video
Delivery:	Interactive Online
Course Price:	\$1280
Register:	(866) 611-5599 or www.AmericanSeminar.com

COURSE DESCRIPTION

Upon completion of this activity, the participant will be able to:

- Evaluate the most current neurosurgical techniques available in order to treat patients with neurosurgical problems
- Analyze recent literature and data regarding clinical trials relevant to the practice of neurosurgery
- Describe best practices in the management of patients requiring surgery for vascular disorders
- Explain the latest techniques used in functional neurosurgery
- Differentiate among the techniques used for spine surgery
- Discuss the most appropriate procedures for the management of brain tumors and spinal tumors
- Identify the most optimal methods for nerve injury and tumors
- Assess the best neurosurgical treatment plans for pituitary disorders
- Compare the advantages and disadvantages of skull base surgical approaches
- Identify best practices for the management of subdural hematoma

COURSE TOPICS

Vascular

- Ischemic and Hemorrhagic Stroke
- Intracranial Aneurysms
- Vascular Malformations and Moyamoya Disease
- Extracranial Carotid Artery Disease
- Endovascular Considerations in Vascular Disease

Head Injury/Craniocerebral Trauma

- Closed Head Injury/Concussion and Head Injury in Sports
- Skull and Facial Fractures/Paranasal Sinus and Skull Base Trauma
- Subdural Hematoma
- Decompressive Craniectomy

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Spinal Surgery

- Cervical Spine Trauma
- Thoraco-Lumbar Fractures
- Disc Herniations: Cervical, Lumbar and Thoracic
- Lateral Lumbar Interbody Fusion
- Minimally Invasive Spine Surgery
- Hydromyelia/Syringomyelia

Peripheral Nerves

- Acute Nerve Injury and Repair
- Peripheral Nerve Tumors
- Brachial Plexus Lesions
- Compression Neuropathy
- Nerve Transfers for Shoulder and Elbow
- Nerve Transfers for the Hand

Brain Tumors

- Metastatic Brain Tumors
- Malignant Gliomas
- Meningiomas
- Low Grade Gliomas
- Pineal Region Tumors
- Posterior Fossa Tumors of Childhood
- Vestibular Schwannoma
- Stereotactic Radiosurgery for Brain Tumors, Arteriovenous Malformations, and Trigeminal Neuralgia

Spine and Spinal Cord Tumors

- Metastatic Tumors of the Spine
- Spinal Cord Tumor Management

Skull Base Lesion

- Meningiomas of the Skull Base and Other Skull Base Tumors
- Skull Base Surgical Approaches

Pituitary Tumors and Craniopharyngiomas

- Non-Functioning and Functioning Pituitary Tumors
- The Evolution and Development of Endoscopic Pituitary Surgery
- Craniopharyngiomas

Hydrocephalus/Cysts/Infection

- Hydrocephalus and Congenital Cysts

Functional Neurosurgery

- Functional Neurosurgery

Special Topics

- Neurofibromatosis and von Hippel-Lindau Disease
- Coma and Brain Death
- Anticoagulation, Reversal, and Hemostasis in Neurosurgery