

Χαρακτηριστικά:

- Integrates current scientific principles with the newest clinical applications, including current **clinical management guidelines** for neurosurgical patients.
- Provides expert guidance on **what to do under a variety of circumstances**, the logic behind why it should be done, and tips for **avoiding complications**.
- Includes **clear, conceptual illustrations throughout**, along with neuroimaging, clinical photos, charts and graphs, and clinical algorithms, making complex concepts easier to understand at a glance.
- Covers the **latest advancements in the field** including cerebrospinal fluid hemodynamics and physiology, minimally invasive techniques, brain tissue oxygenation oximetry, microdialysis, neuroimaging and neurointerventional radiology, traumatic brain injury, pediatric neuroanesthesia, and acute treatment of depression.
- **An eBook version is included with purchase.** The eBook allows you to access all of the text, figures, and references, with the ability to search, customize your content, make notes and highlights, and have content read aloud.

Περιεχόμενα:

- 1 Brain Metabolism, the Pathophysiology of Brain Injury, and Potential Beneficial Agents and Techniques
 - 2 Cerebral and Spinal Cord Blood Flow
 - 3 Cerebrospinal Fluid
 - 4 Effects of Anesthetic Agents and Other Drugs on Cerebral Blood Flow, Metabolism, and Intracranial Pressure
 - 5 Modern Neuroradiology Relevant to Anesthetic and Perioperative Management
 - 6 Evoked Potentials
 - 7 Transcranial Doppler Ultrasonography in Anesthesia and Neurosurgery
 - 8 Multimodality Neurologic Monitoring
 - 9 Fluid Management During Craniotomy
 - 10 Care of the Acutely Unstable Patient
 - 11 Supratentorial Masses: Anesthetic Considerations
 - 12 Anesthetic Management for Posterior Fossa Surgery
 - 13 Anesthetic Management of Cerebral Aneurysm Surgery
 - 14 Interventional Neuroradiology Anesthetic Management
 - 15 Anesthetic Considerations for Surgical Resection of Brain Arteriovenous Malformations
 - 16 Occlusive Cerebrovascular Disease: Anesthetic Considerations
 - 17 Awake Craniotomy, Epilepsy, Minimally Invasive, and Robotic Surgery
 - 18 Stereotactic Neurosurgery: Deep Brain Stimulation, Focused Ultrasound, Therapeutic Radiosurgery, and Biological Therapies
 - 19 The Pituitary Gland and Associated Pathologic States
 - 20 Perioperative Management of Adult Patients With Severe Traumatic Brain Injury
 - 21 Neurosurgical Diseases and Trauma of the Spine and Spinal Cord: Anesthetic Considerations
 - 22 Postoperative Neurosurgical and Neurocritical Care: Including Head Injury and Multisystem Sequelae
 - 23 Anesthesia for Neurosurgery in the Pregnant Patient
 - 24 Pediatric Neuroanesthesia and Critical Care
 - 25 Neurologic Disease and Anesthesia
 - 26 Application of Anesthetic Agents in Depression
 - 27 The Management of Pain in the Neurosurgical Patient
 - 28 Ethical Considerations in the Care of Patients With Neurosurgical Disease
 - 29 Information Management and Technology
 - 30 Future Advances in Neuroanesthesia
- Index