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Nota di contenuto	Cover; Contents; Preface; Acknowledgments; Contributors; 1. Central Nervous System Anatomy; 2. Therapeutic Control of Brain Volume; 3. Monitoring Cerebral Blood Flow and Metabolism; 4. Neuromonitoring Basics: Optimizing the Anesthetic; 5. Cerebral Ischemia and Neuroprotection; 6. Neuroimaging Techniques; 7. Pharmacology of Intravenous Sedative-Hypnotic Agents; 8. Pharmacology of Opioids; 9. Inhaled Anesthetics; 10. Neuromuscular Blockade in the Patient with Neurologic Disease; 11. Fluid Management in the Neurosurgical Patient; 12. Intracranial Tumors; 13. Pituitary and Neuroendocrine Surgery 14. Anesthesia for Skull Base and Neurovascular Surgery15. Anesthesia for Stereotactic Radiosurgery and Intraoperative Magnetic Resonance Imaging; 16. Awake Craniotomy; 17. Anesthesia for Posterior Fossa Surgery; 18. Surgery for Epilepsy; 19. Severe Traumatic Brain Injury; 20. Spinal Surgery; 21. Interventional Neurovascular Surgery; 22. Carotid Endarterectomy and Carotid Artery Bypass; 23. Positioning for Neurosurgery; 24. Airway Management for the Patient with an Unstable Cervical Spine; 25. Neurosurgery in Pediatrics; 26. Acute Care Surgery in the Critically III Neurosurgical Patient

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Sommario/riassunto	Neurosurgical procedures are becoming more common and are taking place in the operating room and in interventional suites. Procedures that used to be performed only at major academic institutions are also being done in small community hospitals, and anesthesiologists in private practice are being asked to care for these patients. In many cases, treatment options are controversial or rapidly evolving. Close cooperation between the anesthesiologist and neurosurgeon is essential to achieve optimal outcomes and early recognition of any adverse events so appropriate therapy can be implemented. Fund