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Nota di contenuto	Chapter 1. Neurocritical Care : An Overview -- Part I. The Basics and Monitoring -- Chapter 2. Metabolism and Cerebral Blood Flow -- Chapter 3. Brain edema: Pathophysiology, diagnosis and treatment -- Chapter 4. Intracranial pressure: invasive methods of monitoring -- Chapter 5. Non-Invasive intracranial pressure monitoring -- Chapter 6. Brain tissue oxygen monitoring -- Chapter 7. Brain microdialysis monitoring -- Chapter 8. Jugular Bulb Oxymetry -- Chapter 9. Transcranial Doppler: Practical Applications -- Chapter 10. Eletroencephalogram in the Neurosurgical Intensive Care Unit (When a single EEG is not enough) -- Chapter 11. Radiological evaluation of post-operative complications of intracranial surgery -- Part II. General Management -- Chapter 12. Management of Intracranial Hypertension -- Chapter 13. Neuroprotection in Brain Injury -- Chapter 14. Decompressive Craniectomy - Breaking skepticism -- Chapter 15. Sedation and Analgesia in Neurocritical Patients -- Chapter 16. Hemodynamic Management in the Neurocritical Patient -- Chapter 17. Blood Transfusion Strategies in Neurocritical Care -- Chapter 18. Ventilatory strategies in the neurocritical care -- Chapter 19.

Endotracheal intubation, extubation and tracheostomy. How, when and why? -- Chapter 20. Infections in Neurocritical Care Units -- Chapter 21. Acid-Base and Electrolyte Disorders in Neurocritical Care -- Chapter 22. Basic Aspects of Nutrition in Neurocritical Care -- Chapter 23. General principles of neurosurgical postoperative care -- Chapter 24. Head Injury -- Chapter 25. Spontaneous Subarachnoid Hemorrhage and the First Week After Aneurysmal Subarachnoid Hemorrhage -- Chapter 26. Hemorrhagic Stroke. Chapter 27. Cerebral Hemorrhage and High INR -- Chapter 28. Ischemic Stroke -- Chapter 29. Emergencies in Neuro- oncology -- Chapter 30. Hemorrhage into a Pituitary tumor -- Chapter 31. Status Epilepticus -- Chapter 32. Systemic (non-neurological) complications in the neurocritical patient -- Chapter 33. Acute Spinal Cord Disorders -- Chapter 34. General Principles of Awake Neurosurgery -- Chapter 35. TBI in Pediatric Patients -- Part III. The Outcomes -- Chapter 36. Prognostic Models in Neurocritical Care -- Chapter 37. Rehabilitation and palliative care in Neurocritical patients -- Chapter 38. Brain Death and management of the potential donor -- Chapter 39. New Perspectives.

Sommario/riassunto

This unique book discusses the management of neurocritical care patients, including basic concepts, pathophysiologic principles, monitoring, treatment indications, and factors that affect outcomes in patients requiring neurocritical care assistance. It addresses the need to improve continuing education in this area, highlighting patient care in the perioperative period. This is the first book to provide a simplified overview for neurosurgeons and neurologists to understand the neurocritical patient journey. It is divided into three parts: the first covers the basics concepts, from monitoring to the interpretation of exams; the second explores general management of specific situations encountered in intensive care and the last part includes prognostic and rehabilitation models, as well as new perspectives. Thanks to the accessible, neurosurgical specific language, the book is well suited for all professionals involved in neurocritical care, including students, but is also a valuable resource for residents and researches, as well as experienced neurosurgeons or neurologists looking for updated information and guidelines.
