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Nota di contenuto	Genetics of Moya-Moya Disease -- Current Application of VR/AR (virtual reality/augmented reality) to Pediatric Neurosurgery -- Diagnosis and Management of Tethered Cord Syndrome -- Management of Low and High Grades Spondylolisthesis -- Enhanced Recovery After Surgery (ERAS) Spine Pathways and the Role of Perioperative Checklists -- Myelomeningocele: long term neurosurgical treatment -- The Interhemispheric Transcallosal Approach to the Ventricles: How We Do It -- Ventricular Tumors: Technical Considerations in Surgical Management -- Treatment of Brain Arteriovenous Malformations -- The Influence of Surgical Experience on Overall Survival in Patients with Malignant Gliomas -- Jugular Foramen Tumors -- Surgery for Tuberculosis of Central Nervous System in Children -- Novel Surgical Approaches in Childhood Epilepsy: Laser, Brain Stimulation, and Focused Ultrasound -- Cranial Repair in Children: Techniques, Materials, and Peculiar Issues.

Sommario/riassunto

The book offers the update on several basic and clinical problems in neurosurgery compiled by internationally recognized experts. The main topics covered are cerebral tumors, epilepsy and vascular malformations, congenital and acquired spine anomalies. The first chapter is devoted to the genetic of the Moya-Moya disease, a cerebral vascular disease quite common in Asia that is not yet sufficiently known. The second chapter is devoted to the current application of VR/AR (virtual reality/augmented reality) to pediatric neurosurgery. The next four chapters discuss the management of spine diseases, respectively the tethered cord syndrome , the severe forms of spondylolisthesis, the role of perioperative checklists, and the long-term outcomes of myelomeningocele. Two chapters deal with the surgical aspects of the management of intraventricular tumors. Cerebral tumors, namely malignant gliomas and jugular foramen tumors are the subject of the remaining chapters. Approaching the issue of technical standards in the everyday clinical practice of neurosurgery, this book is of great interest for neurosurgeons, neuroradiologists, vascular and plastic surgeons. .
