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Titolo	Pediatric Neurosurgery Board Review : A Comprehensive Guide // / edited by Nir Shimony, George Jallo
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	9783031236877 9783031236860
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (361 pages) : illustrations
Collana	Medicine Series
Disciplina	617.480083
Soggetti	Nervous system - Surgery Children - Surgery Neurology Neurosurgery Pediatric Surgery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The neurological assessment of pediatric patient and the differences across different age groups -- The changes of the nervous system from fetal stages to early adulthood, as seen in different imaging modalities -- CSF dynamics and physiology, and the ventricular system surgical anatomy -- Hydrocephalus and surgical solutions for it -- Management of arachnoid cysts -- Management of congenital malformations (cranial and spinal) -- Management of Chiari malformation -- Management of head shape deformity and Craniosynostosis -- Pediatric brain and brainstem tumors -- Pediatric spine, spinal cord, and peripheral nervous system tumors -- Pediatric vascular malformations -- Pediatric Epilepsy surgery -- Management of pediatric patient with Phakomatosis -- Management of spasticity -- Management of brachial plexus injury across different age groups -- Management of musculoskeletal malformations -- Traumatic brain injury -- Traumatic spine injury -- Central nervous system infections and their management -- Pediatric Spinal Deformity.
Sommario/riassunto	This specialized textbook is dedicated to the various disease topics of

pediatric neurosurgery and management strategies. The text covers the different aspects of the field of pediatric neurosurgery in a unique way by giving state of the art up-to-date synopsis with references to recent publications. More specifically, the whole book is dedicated to a comprehensive discussion of brainstem tumors and other lesions. The various chapters start from updates regarding the development of the nervous system and the clinical differences in assessing the infant or a child in comparison to the adult patient. The book then focuses on various pathologies starting with hydrocephalus, pediatric brain and spine tumors, congenital malformation, spasticity, epilepsy, and more. This textbook is enriched with diagnostic and surgical images, and illustrations that cover all types of pediatric neurosurgery pathologies, with an emphasis on evidence-based data that reflects the controversies and possible solutions. The main structure of each chapter includes a short synopsis of the topic at hand, questions and answers that will inspire the reader for better understanding, learning objectives, and key references for further reading. Written by experts in the field, *Pediatric Neurosurgery Board Review* serves as a valuable resource for neurosurgery residents and fellows studying for their neurosurgery exams, as well as an educational material for neurosurgery specialists after graduation by discussing pediatric neurosurgery in more convenient way to review and understand key information in this field.
