

1. Record Nr.	UNINA9911015861003321
Autore	Di Rocco C (Concezio)
Titolo	Advances and Technical Standards in Neurosurgery : Volume 55 // edited by Concezio Di Rocco
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	9783031907623 9783031907616
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (291 pages)
Collana	Advances and Technical Standards in Neurosurgery, , 1869-9189 ; ; 55
Disciplina	617.48
Soggetti	Nervous system - Surgery Endoscopic surgery Neurosurgery Minimally Invasive Surgery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Blake pouch: it is time to revisit classical descriptions on development of the roof of the fourth ventricle -- Surgical treatment of optic pathway hypothalamic gliomas -- Surgical Treatment of Cushing's Disease: the Lessons Learned -- Microsurgical Anterior Transcallosal Resection of Colloid Cysts of the Third Ventricle -- Targeted treatment of pediatric craniopharyngioma: Lesson learnt after 20-year experience with intracystic interferon alpha -- Endoscopic Endonasal Resection of Clival Chordomas -- The Role of Lobectomy in Glioblastoma Management -- Hybrid Operative Room For Vascular Neurosurgery: Applications, Limits And Perspectives -- Minimalistic approaches to craniovertebral junction tumors -- Electromagnetic Navigation in Cranial Neurosurgery -- Theoretical and practical Neuroscience tools for Neurosurgery -- Endoscopic strip craniectomy for the treatment of single suture craniosynostosis.
Sommario/riassunto	This volume maintains the structure of previous ATSN series volumes, offering a balanced distribution of chapters that cover recent advances in neurosurgery and reviews of major neurosurgical conditions.Key sections of the volume provide a detailed review of tumors, including those of the optic pathways, hypothalamus, and pituitary adenomas.

These sections highlight the renewed interest in surgical options for these tumors, emphasizing multi-specialist treatment approaches. The initial chapters focus on the development of instruments and techniques that facilitate minimally invasive approaches to various regions of the brain and cranio-vertebral junction. The volume also includes a chapter on colloid cysts of the third ventricle, which complements the discussion of surgical approaches for anterior skull base and frontal basal region pathologies. Other chapters are dedicated to cerebral arterial aneurysms and arteriovenous malformations, exploring the advantages of combined therapeutic strategies for safer and more effective management of these complex lesions. The final chapters investigate the benefits of complete excision of spinal lipomas versus partial resections and the more extensive excision of brain tissue harboring a glioblastoma (lobectomy) versus simple resection of the tumor and its infiltration into the surrounding brain parenchyma. Overall, the book is primarily aimed at mature and experienced neurosurgeons, but it is also beneficial for younger practitioners. It emphasizes a continuous reconsideration of well-known diseases in terms of new approaches that combine increased efficacy with decreased risk for the patient.
