

1. Record Nr.	UNINA9910734875803321
Autore	Rezaei Nima
Titolo	Human Brain and Spinal Cord Tumors: From Bench to Bedside. Volume 2 : The Path to Bedside Management / / edited by Nima Rezaei, Sara Hanaei
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-23705-6
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (754 pages)
Collana	Advances in Experimental Medicine and Biology, , 2214-8019 ; ; 1405
Altri autori (Persone)	HanaeiSara
Disciplina	616.9948061
Soggetti	Medicine - Research Biology - Research Neurology Internal medicine Immunology Biomedical Research Internal Medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Malignant Glioma -- Chapter 2. Benign Glioma -- Chapter3. Meningioma and Other Meningeal Tumors -- Chapter4. Ependymomas in Pediatric and Adults -- Chapter5. Medulloblastomas in Pediatric and Adults -- Chapter6. Benign and Malignant Tumors of The Pineal Region -- Chapter7. The Tumors of Choroid Plexus and Other Ventricular Tumors -- Chapter8. Embryonal Tumors of The Central Nervous System with Multilayered Rosettes and Atypical Teratoid/Rhabdoid Tumors -- Chapter9. Glioneuronal and Neuronal Tumors of the Central Nervous System -- Chapter10. Benign and Malignant Tumors of the Pituitary Gland -- Chapter11. Craniopharyngioma in Pediatric and Adults -- Chapter12. Schwannomas of Brain and Spinal Cord -- Chapter13. Other Nerve-Sheet Tumors of Brain and Spinal Cord -- Chapter14. Hemangioblastomas and Other Vascular Originating Tumors of Brain or Spinal Cord -- Chapter15. Brain and Spinal Cord Tumors of Embryonic Origin -- Chapter16. Brain and Spinal Tumors

Originating from the Germ LineCells -- Chapter17. Benign Brain and Spinal Tumors Originating from Bone or Cartilage -- Chapter18. Benign Spinal Tumors -- Chapter19. Other Less Prevalent Tumors of the Central Nervous System -- Chapter20. Brain and/or Spinal Cord Tumors Accompanied with Other Diseases or Syndromes -- Chapter21. Psychological and Psychiatric Aspects of Brain and Spinal Cord Tumors -- Chapter22. A Brief Explanation on Surgical Approaches for Treatment of Different Brain Tumors.

#### Sommario/riassunto

This book aims to gather the current knowledge regarding different aspects of brain and spinal cord tumors in order to more efficiently help the patients. Brain tumors comprise about 5–9% of all human neoplasms; and the central nervous system (CNS) neoplasms are ranked among the most prevalent neoplasms of childhood as well. The more we know about the nature and characteristic of brain and spinal cord tumors, the more precise decision could be made for each patient, in order to reach the best outcome. While surgical resection, chemotherapy, and radiotherapy have been considered as the standards of care for benign and/or malignant CNS tumors since a long time ago, new therapeutic approaches such as immunotherapy have been recently proposed to be considered for treatment of CNS tumors, especially as in some cases, the tumors might be inoperable or the patient may not benefit from other treatment modalities after several recurrences. The second volume of the book focuses on clinical aspects of these tumors. Accordingly, the most important brain and spinal cord tumors are specifically discussed in each chapter based on a rational outlining for all chapter in this volume: Background and epidemiology, genetics, immunology and molecular biology, histopathology and morphology, imaging and radiologic features, clinical manifestations, therapeutic approaches, surgical intervention, chemotherapy and radiotherapy, new therapeutic modalities, follow-up, and prognosis. The chapters of this volume discuss the following pathologies of brain and spinal cord tumors: malignant glioma, benign glioma, meningiomas and other meningeal tumors, ependymomas, medulloblastomas, pineal tumors, choroid plexus and ventricular tumors, neuroectodermal tumors of CNS, neuroepithelial tumors of CNS, pituitary gland tumors, craniopharyngioma, schwannomas and nerve-sheet tumors, hemangioblastomas and other vascular originating tumors, brain and spinal tumors of embryonic origin, germ line celltumors, malignant bone or cartilage-originating tumors of brain and spine, benign bone or cartilage-originating tumors of brain and spine, brain tumors affecting the orbit globe and orbit tumors affecting the brain, CNS lymphomas, metastatic lesions of the brain and spine, malignant spinal tumors, benign spinal tumors, brain and/or spinal cord tumors accompanied with other diseases or syndromes, psychological and psychiatric aspects of brain and spinal cord tumors, a brief explanation on surgical approaches for treatment of different brain tumors. This volume of book is useful for physicians of different specialties, mainly neurosurgeons, neurologists, neuropathologists, and neuroradiologists.