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Nota di contenuto	; Sect. I Introduction, and overview of diagnosis, biology and therapy -- ; 1. Introduction / Eddy Estlin and Stephen Lowis -- ; 2. The epidemiology of paediatric CNS tumours / GA Amos Burke -- ; 3. Paediatric CNS tumours: neuroimaging / Shelley Renowden -- ; 4. Pathology and molecular oncology of childhood CNS tumours / Lucy B. Rorke-Adams and Jaclyn A Biegel -- ; 5. Molecular approaches to the understanding and treatment of childhood CNS tumours / Richard J Gilbertson -- ; 6. Surgical management of CNS tumours in the paediatric population / Jerard Ross and John Thorne -- ; 7. General principles of radiotherapy / Eddy Estlin and Stephen Lowis -- ; 8. General principles of chemotherapy / Eddy Estlin -- ; 9. Management of complications at presentation for children with CNS tumours / Stephen Lowis -- ; Sect. II CNS tumours of childhood -- ; 10. Low-grade and high-grade astrocytoma / Eddy Estlin and Stephen Lowis -- ; 11. Ependymoma / Ute Bartels, Douglas J Hyder, Annie Huang and Eric Bouffet -- ; 12. Brainstem tumours / Carolyn R Freeman and Jean-Pierre Farmer -- ; 13. Primitive neuroectodermal tumours / Stephen Lowis -- ; 14. Intracranial germ cell tumours / Susanne J Rogers an Frank H Saran -- ; 15. Choroid plexus papilloma and carcinoma / Stephen Lowis --- ; 16. Craniopharyngioma / Eddy Estlin -- ; 17. Mixed neuronal tumours / Eddy Estlin -- ; 18. Spinal cord tumours in children / Douglas H. Hyder, Peter B Dirks, Ute Bartels and Eric Bouffet

-- ; 19. Metastatic disease affecting the CNS / Stephen Lewis -- ; Sect. III Late effects, rehabilitation and palliative care -- ; 20. Late effects of CNS tumours / Adam Glaser and Gary Butler -- ; 21. An overview of cerebral functioning and its application in the developing brain / Andrew Curran -- ; 22. Palliative care / Erica Mackie -- ; Sect. IV Summary -- ; 23. Conclusions and future directions / Eddy Estlin and Stephen Lewis.

Sommario/riassunto

Covers all clinical aspects of central nervous system (CNS) tumours in children, including epidemiology and neuroimaging, the general principles of surgery and radiotherapy/chemotherapy as well as palliative care and quality of life. It also includes diagnosis and management, important areas of research which are important for clinical practice.
