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Titolo	Central Nervous System Tumours of Childhood // edited by Eddy Estlin and Stephen Lowis
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Descrizione fisica	1 online resource (372 p.)
Collana	Clinics in developmental medicine, , 0069-4835 ; ; no.166
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Soggetti	Tumors in children - Tumors Central nervous system Nervous System Neoplasms Age Groups Neoplasms by Site Persons Nervous System Diseases Diseases Named Groups Neoplasms Central Nervous System Neoplasms Child Medicine Health & Biological Sciences Oncology Electronic books.
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Nota di contenuto	CONTENTS; AUTHORS' APPOINTMENTS; 1. INTRODUCTION Eddy Estlin and Stephen Lowis; REFERENCES; 2. THE EPIDEMIOLOGY OF PAEDIATRIC CNS TUMOURS GA Amos Burke; Incidence of primary CNS tumours; Age and site distribution of primary brain and spinal tumours; Incidence of secondary and metastatic tumours; Epidemiological evidence for aetiological factors in primary childhood brain; Tumour syndromes;

Summary; REFERENCES; 3. PAEDIATRIC CNS TUMOURS: NEUROIMAGING Shelley Renowden; Neuroimaging techniques; Tumour types; REFERENCES

4. PATHOLOGY AND MOLECULAR ONCOLOGY OF CHILDHOOD CNS TUMOURS Lucy B Rorke-Adams and Jaclyn A Biegel Neuroepithelial tumours; Non-neuroepithelial tumours; REFERENCES; 5. MOLECULAR APPROACHES TO THE UNDERSTANDING AND TREATMENT OF CHILDHOOD CNS TUMOURS Richard J Gilbertson; Advances in molecular biology techniques; Advances in pre-clinical disease models; Application of molecular biology to disease management; REFERENCES; Summary; 6. SURGICAL MANAGEMENT OF CNS TUMOURS IN THE PAEDIATRIC POPULATION Jerard Ross and John Thorne; General care; Perioperative management
Surgical roles in common tumours Adjuncts to surgical management; The role of neuroendoscopy in tumour management; Epilepsy surgery; REFERENCES; 7. GENERAL PRINCIPLES OF RADIOTHERAPY Eddy Estlin and Stephen Lewis; Radiotherapy physics and biology; Techniques of radiotherapy administration; Side-effects of radiotherapy; Radiotherapy and the treatment of CNS tumours of childhood; Stereotactic radiosurgery in recurrent ependymoma; Conclusions and future directions; REFERENCES; 8. GENERAL PRINCIPLES OF CHEMOTHERAPY Eddy Estlin; Pharmacology and tumours of the CNS; Chemosensitivity and CNS tumours
Clinical trials involving paediatric CNS tumours Relationship between pharmacology, chemosensitivity and clinical effect; Summary and conclusions; REFERENCES; 9. MANAGEMENT OF COMPLICATIONS AT PRESENTATION FOR CHILDREN WITH CNS TUMOURS Stephen Lewis; Impaired consciousness, encephalopathy; Spinal cord compression; Electrolyte and endocrine disturbance; REFERENCES; 10. LOW-GRADE AND HIGH-GRADE ASTROCYTOMA Eddy Estlin and Stephen Lewis ; Low-grade glioma; High-grade astrocytoma; Conclusions; REFERENCES; 11. EPENDYMOMA Ute Bartels, Douglas J Hyder, Annie Huang and Eric Bouffet
Histopathological features Molecular biology and cytogenetic studies; Diagnostic features of intracranial ependymomas; Risk factors and prognostic considerations; Treatment; Recurrent ependymoma; Conclusions and further directions; REFERENCES; 12. BRAINSTEM TUMOURS Carolyn R Freeman and Jean-Pierre Farmer; Clinical presentation and imaging findings; Management; Prognosis; Controversies; REFERENCES; 13. PRIMITIVE NEUROECTODERMAL TUMOURS Stephen Lewis ; Pathology; Presentation; Assessment and staging; Prognostic factors; Therapy; Supratentorial PNET; Relapsed PNET; REFERENCES

14. INTRACRANIAL GERM CELL TUMOURS Susanne J Rogers and Frank H Saran

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.