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Titolo	Central nervous system infections in childhood // edited by Pratibha Singhi, Diane E. Griffin and Charles R. Newton
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Collana	International Review of Child Neurology Series
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Soggetti	Central nervous system - Diseases Pediatric neurology Neuroimmunology
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	CONTENTS; AUTHORS' APPOINTMENTS; FOREWORD; PREFACE; ACKNOWLEDGEMENTS; 1 BURDEN OF CENTRAL NERVOUSSYSTEM INFECTIONS; Viral infections; Bacterial infections; Parasitic infections; Conclusion; 2 PATHOGENESIS OF CENTRALNERVOUS SYSTEM INFECTIONS; Blood-brain and blood-cerebrospinal fluid barriers; Entry of pathogens into the central nervous system; Bacteria; Parasites; Fungi; Development of disease: pathogen replication and inflammation in the centralnervous system; Summary; 3 THE PRINCIPLES OF MANAGEMENTOF CENTRAL NERVOUS SYSTEMINFECTIONS; Evaluation and diagnosis; Emergency management Specific treatmentGeneral supportive care; Fluid, electrolytes and nutrition; Seizures and status epilepticus; Raised intracranial pressure; Adjunctive therapy; Mechanical ventilation; Isolation and infection precautions; The patient's family; 4 NEUROIMAGING; Section 1: Bacterial, Fungal, Tuberculous andParasitic Infections; Imaging modalities; Imaging clinical syndromes of central nervous system infection; Section 2: Viral Infections; Herpes encephalitis; Arbovirus infections; Enteroviruses; Human immunodeficiency virus and associated opportunistic viral infections; Cytomegalovirus Progressive multifocal leukoencephalopathy (PML)Other viruses;

Summary; 5 CONGENITAL INFECTIONS; Epidemiology; Clinical manifestations; Laboratory findings; Microbiological diagnosis; Neuroimaging features; Prevention and treatment of congenital infections; 6 FEBRILE SEIZURES; Definition; Epidemiology; Risk factors; Genetics; Presentation; Immediate management and diagnostic evaluation; Lumbar puncture; Management; The long-term outcome of febrile seizures; 7 VIRAL ENCEPHALITIS AND MENINGITIS; Enterovirus and parechovirus infections; Arbovirus encephalitis; 8 HERPES SIMPLEX VIRUS INFECTIONS

PathologyPathogenesis; Clinical presentation of herpes simplex virus infections of the brain; Laboratory considerations for diagnosis; Therapy; Conclusion; 9 JAPANESE ENCEPHALITIS; History; The virus; Transmission and life cycle; Epidemiology; Pathogenesis; Pathology; Clinical features; Laboratory diagnosis; Treatment; Sequelae; Prevention; 10 RABIES; Epidemiology; The virus; Pathogenesis; Pathology; Incubation period; Clinical features; Laboratory diagnosis; Prevention of human rabies; Prevention of rabies in animals; Public health measures to control rabies; 11 HIV INFECTIONS; Epidemiology PathogenesisClinical manifestations; Complexities of the disorder; Therapeutic and management issues; Future directions and new interventions; Conclusion; 12 ACUTE BACTERIAL MENINGITIS; Aetiology; Epidemiology; Pathogenesis; Pathophysiology; Neuropathology; Clinical presentation; Diagnosis; Differential diagnosis; Laboratory tests; Organism identification; Course and complications; Neuroimaging in meningitis; Treatment; Prognosis; Prevention; 13 FOCAL INTRACRANIAL SUPPURATION; Brain abscess; Subdural empyema; Epidural abscess; Suppurative intracranial phlebitis  
Ventriculoperitoneal shunt infection

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Sommario/riassunto

This new book covers almost all CNS infections commonly seen in children across the world. It provides a concise, state-of-the-art overview of viral, bacterial, tubercular, fungal, parasitic, and many other infections.

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