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Altri autori (Persone)	FigueredoBenito MelendezFidel
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Behaviors of phosphorylated microtubules-associated protein tau (tau) : a role in neuronal and glial apoptosis, white matter lesion, topographical accentuation and 14-3-3 protein expression in neurofibrillary tangles of Alzheimer's disease and other tauopathies / Katsuji Kobayashi ... [et al.] -- Brain development and neurodevelopmental outcome in infants with congenital heart disease / An N. Massaro ... [et al.] -- The distinct role of Pin1 in the development and treatment of neurodegenerative tauopathies / Kazuhiro Nakamura and Kun Ping Lu -- A novel approach to memory neuromodulation using music : a literature review / Lauren Velik, Nikki S. Rickard -- Electroencephalography, amplitude-integrated electroencephalography and neurodevelopmental outcome in premature infants / Mohamed El-Dib ... [et al.] -- Tangle dominant dementia / Kurt A. Jellinger ... [et al.] -- Does exposure to methylphenidate during adolescent affect the response to methylphenidate in adulthood? / N. Dafny ... [et al.] -- The spatial patterns of tau immunopositive neuronal cytoplasmic inclusions (NCI) in the tauopathies / R.A. Armstrong -- cAMP and neurodevelopment / Lucia de Fatima Sobral Sampaio -- Epilepsy and physical exercise : human and animal studies / Ricardo Mario Arido ... [et al.] -- Understanding schizophrenia pathogenesis from developmental origins of health and disease (DOHaD) / Takeo Yoshikawa ... [et al.]

Neuroscience is the scientific study of the nervous system. Survival infants with congenital heart disease (CHD) are at significant risk for neurodevelopmental impairment, either as a result of in utero physiological effects of abnormal circulation, associated congenital brain anomalies, neurodevelopmental compromise before, during and after surgical repair, or combinations of all these factors. This book examines the neurodevelopmental outcomes for patients with CHD, risk factors for adverse neurodevelopmental sequelae and peri- and intraoperative neuromonitoring and neuroprotective strategies. Furthermore, electroencephalography (EEG) has been utilized for decades in the neonatal intensive care unit to assess brain maturation, detect and localize brain injury, diagnose seizures and give prognostic information. This book reviews specific EEG/aEEG patterns and their value in predicting long term neurodevelopmental outcomes in premature infants. Also examined are the risks and benefits of physical activity in epileptics, sports in which epileptics may participate and the positive effect of physical exercise in experimental models of epilepsy. Other chapters in this book examine the presence of neurofibrillary tangles in the brain, tangle dominant dementia (TDD), a sporadic subtype of late onset progressive dementia, the effects of methylphenidate (MPD) treatment in adolescence on MPD response in adulthood, and a discussion of the "neurodevelopmental abnormality" theory, which proposes that some schizophrenics suffer from subtle neurodevelopmental insults during fetal development.
