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Titolo	Stroke and cerebrovascular disease in childhood [[electronic resource] /] / edited by Vijeya Ganesan and Fenella J. Kirkham
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Descrizione fisica	1 online resource (428 p.)
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Altri autori (Persone)	GanesanVijeya KirkhamFenella J
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	<p>CONTENTS; AUTHORS' APPOINTMENTS; 1CHILDHOOD STROKE - THE UNKINDEST CUT OF ALL:A HISTORY OF CEREBROVASCULAR DISEASE INCHILDHOOD; Introduction; History of childhood stroke; Conclusion;</p> <p>2DEVELOPMENT OF THE BRAIN CIRCULATION; General aspects of development of the arterial supplyto the brain tissue; General and phylogenetic aspects of the cerebralvascularization; Conclusion; 3THE EPIDEMIOLOGY OF CHILDHOOD STROKE; Introduction; Incidence and stroke subtypes; Health care utilization; Conclusion; 4CLINICAL AND IMAGING FEATURES OFCHILDHOOD STROKE; 4.1.1 Anterior circulation stroke; Introduction</p> <p>Predisposing conditionsClinical presentation; Common ischaemic stroke syndromes in children; 4.1.2 Posterior Circulation Strokesin Children; Introduction; Vascular anatomy; Vascular syndromes of the brainstem; Risk factors; 4.1.3 Spinal Cord Stroke; Introduction; Anatomy of the arterial supply to the spinal cord; Ischaemic stroke; Spinal cord haemorrhage; Spinal cord arteriovenous malformations; Management of spinal cord stroke; 4.2.1 Imaging of Paediatric Stroke; Introduction; Imaging modalities in paediatric stroke; Sedation of children for neuroimaging; Neuroimaging of paediatric stroke</p> <p>Diagnostic difficulties in stroke4.2.2 Recent Advances in MagneticResonance Imaging; Introduction; Principles of MR diffusion imaging; Principles of MR perfusion imaging; Applications of diffusion</p>

and perfusion imaging; Conclusion; 5 RISK FACTORS AND TRIGGERS FOR CRYPTOGENIC (AND SYMPTOMATIC) STROKE; 5.1 Cerebrovascular Diseases from Infectious/Inflammatory Origin; Introduction; Animal models of cerebrovascular diseases associated with infections; Cerebrovascular diseases and infections in human; Conclusion; 5.2 Thrombophilia and Childhood Stroke; Pathophysiology of vascular occlusion  
Thromboembolic manifestations in children Established and putative prothrombotic risk factors; The role of prothrombotic disorders in ischaemic stroke in children; Laboratory evaluation; 5.3 Hypertension and Childhood Stroke; Introduction; Clinical data; Paediatric stroke; Sickle cell disease, hypertension and stroke; Haemorrhagic stroke and hypertension; Transcranial Doppler; Conclusion; 5.4 Trauma; 5.5 Iron Deficiency; 5.6 Patent Foramen Ovale and Paradoxical Embolism; Transthoracic or transoesophageal echocardiography?; 6 ARTERIAL ISCHAEMIC STROKE AND VASCULAR DISEASE IN CHILDHOOD  
6.1 Cervicocephalic Arterial Dissections in Childhood and Adolescence Introduction; The role of cervicocephalic dissections in ischaemic stroke in children; Epidemiology; Pathology and aetiology; Pathogenesis; Presentation; Treatment; Follow-up; Conclusions; 6.2 Transient Cerebral Arteriopathy; Introduction; General features; Epidemiology and physiopathology; Clinical and paraclinical features; Diagnosis; Treatment and outcome; Conclusion and perspectives; 6.3 Moyamoya Syndrome in Childhood; Introduction; Epidemiology; Pathology; Aetiology; Clinical presentation; Diagnosis; Treatment; Outcome  
6.4 Cerebral Vasculitis

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Sommario/riassunto

Covering all aspects of stroke and cerebrovascular disease in children, ranging from a historical perspective to future directions, through epidemiology, the latest neuroimaging techniques, neurodevelopment, co-morbidities, diagnosis and treatment.

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