

Pankaj Sharma
James F. Meschia
Editors

Stroke Genetics

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Stroke Genetics:

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Stroke Genetics Pankaj Sharma, James F. Meschia, 2017-06-12 This revised expanded second edition updates the reader on this fast moving field as well providing an overall understanding of the genetics of complex diseases by using stroke as a paradigm The reader will gain a comprehensive understanding of cerebrovascular genetics including the epidemiological evidence for the genetic basis of ischemic and hemorrhagic stroke knowledge of its molecular basis from association linkage and recent genomewide studies and also monogenic disorders Finally the legal and ethical complexities in dealing with these issues are discussed Stroke Genetics is a valuable resource for neurologists stroke physicians hypertension specialists internists clinical pharmacologists and those in training as well as researchers in the field of disease genetics Stroke Genetics Hugh S. Markus, 2003-05-01 Stroke is a major cause of death and the major cause of adult neurological disability in most of the world Despite its importance on a population basis research into the genetics of stroke has lagged behind that of many other disorders However the situation is now changing An increasing number of single gene disorders causing stroke are being described and there is growing evidence that polygenic factors are important in the risk of apparently sporadic stroke Stroke Genetics provides an up to date review of the area suitable for clinicians treating stroke patients and both clinical and non clinical researchers in the field of cerebrovascular disease The full range of monogenic stroke disorders causing cerebrovascular disease including ischaemic stroke intracerebral haemorrhage aneurysms and arteriovenous malformations are covered For each clinical features diagnosis and genetics are described Increasing evidence suggest that genetic factors are also important for the much more common multifactorial stroke this evidence is reviewed along with the results of genetic studies in this area Optimal and novel strategies for investigating multifactorial stroke including the use of intermediate phenotypes such as intima media thickness and MRI detected small vessel disease are reviewed The book concludes by describing a practical approach to investigating patients with stroke for underlying genetic disorders Also

included is a list of useful websites

Stroke Genetics Pankaj Sharma, James F. Meschia, 2012-08-27 Over the last decade there has been a substantial increase in our understanding of the genetic basis of common disorders such as stroke *Stroke Genetics* is designed to give the reader an overall understanding of the genetics of complex diseases by using stroke as a paradigm The reader will gain a comprehensive understanding of cerebrovascular genetics including the epidemiological evidence for the genetic basis of ischemic and hemorrhagic stroke knowledge of its molecular basis from association linkage and recent genome wide studies and also monogenic disorders Finally the legal and ethical complexities in dealing with these issues are discussed *Stroke Genetics* benefits from the contribution of renowned experts from throughout the world who have been intimately involved in unraveling the genetic etiology of stroke *Stroke Genetics* is a valuable resource for neurologists stroke physicians hypertension specialists internists clinical pharmacologists and those in training as well as researchers in the field of disease genetics

Molecular Genetics of Stroke Yoshiji Yamada, 2012-04-01 Stroke is an important clinical problem because of its large contribution to mortality The main causal and treatable risk factors for stroke include hypertension diabetes mellitus dyslipidemia and smoking In addition to these risk factors recent studies have shown the importance of genetic factors and interactions between multiple genes and environmental factors Genetic linkage analyses of families and sib pairs as well as candidate gene association studies have implicated several loci and many candidate genes in predisposition to ischemic stroke intracerebral hemorrhage or subarachnoid hemorrhage Recent genome wide association studies identified various loci and genes that confer susceptibility to ischemic stroke or intracranial aneurysm Such studies may provide insight into the function of implicated genes as well as into the role of genetic factors in the development of ischemic stroke intracerebral hemorrhage or subarachnoid hemorrhage

Risk Factors for Cerebrovascular Disease and Stroke Sudha Seshadri, Stéphanie Debette, 2016-03-07 This book by leading stroke researchers from Europe and North America describes environmental and genetic risk factors for cerebrovascular disease The section on genetics is exceptionally detailed and contemporaneous *Risk Factors for Cerebrovascular Disease and Stroke* will be especially useful to clinicians at all levels researchers and public health professionals interested in primary prevention of stroke

Stories of Stroke Louis R. Caplan, Aishwarya Aggarwal, 2022-12-15 Stroke is one of the most important and most feared conditions known to man The threat of stroke is important to all people What could be more devastating than to lose the ability to speak move a limb stand talk see read feel write or even think This book brings together ideas events and advances the stories before and during the 20th Century through the accounts of global experts in the field many of them having been first hand witnesses to progress Focusing on selected stories of stroke this book offers a readable summary of the most dramatic and extensive changes in knowledge about stroke and in caring for stroke patients Of interest to anyone interested in neurosciences and for physicians caring for stroke patients this book informs on moving forward by looking to how we got to where we are

Clinical Neurogenetics, An Issue of Neurologic Clinics Brent L. Fogel, 2013-12-28 This

issue of Neurologic Clinics features a review of clinical neurogenetics as it pertains to the following disorders Huntington Disease Autism ASD Fragile X Tremor Ataxia Syndrome FXTAS Lysosomal Storage Diseases Psychiatric Disorders Dominant Spinocerebellar Ataxias Metabolic Disorders Friedreich Ataxia ALS Dementia Neuromuscular Disorders Stroke Epilepsy and Dystonia *Transient Ischemic Attack and Stroke* Gary K. K. Lau, Sarah T. Pendlebury, Peter M. Rothwell, 2018-08-23 The second edition of *Transient Ischemic Attack and Stroke* covers the clinical background and management of the full clinical spectrum of cerebrovascular disease from TIA to vascular dementia in a compact but evidence based format making a comprehensive primer in stroke medicine Accurate diagnosis and appropriate investigation and management have a major impact on patient outcomes in cerebrovascular disease such as the effect of urgent antithrombotic treatment on early recurrent stroke after TIA and minor stroke the effect of interventions such as thrombectomy and hemicraniectomy in major acute stroke and the effect of stroke units and organised stroke care Written by a leading team of clinicians and researchers in the field this book will be essential to neurologists geriatricians stroke physicians allied health workers and all others with an interest in stroke Caplan's Stroke Louis R. Caplan, 2016-09-08 This market leading guide covers all aspects of cerebrovascular disease stroke syndromes causes prevention evaluation and management

Decoding **Stroke Genetics**: Revealing the Captivating Potential of Verbal Expression

In a time characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its power to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Stroke Genetics**," a mesmerizing literary creation penned with a celebrated wordsmith, readers embark on an enlightening odyssey, unraveling the intricate significance of language and its enduring impact on our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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