

"Brain circulation is a true road map that consists of large extended navigation territories and a number of unimagined and undiscovered routes." Dr. Patricia Bozzetto Ambrosi This book combines an update on the review of cerebrovascular diseases in the form of textbook chapters, which has been carefully reviewed by Dr. Patricia Bozzetto Ambrosi, Drs. Rufai Ahmad and Auwal Abdullahi and Dr. Amit Agrawal, high-performance academic editors with extensive experience in neurodisciplines, including neurology, neurosurgery, neuroscience, and neuroradiology, covering the best standards of neurological practice involving basic and clinical aspects of cerebrovascular diseases. Each topic was carefully revised and prepared using smooth, structured vocabulary, plus superb graphics and scientific illustrations. In emphasizing the most common aspects of cerebrovascular diseases: stroke burden, pathophysiology, hemodynamics, diagnosis, management, repair, and healing, the book is comprehensive but concise and should become the standard reference guide for this neurological approach.

Imaging plays an integral role in the diagnosis and intervention of debilitating, often fatal vascular diseases of the brain, such as ischemic and hemorrhagic stroke, aneurysms, and arteriovenous malformations (AVMs). Written by a world renowned neuroradiologist and pioneer in the early adoption of magnetic resonance (MR) technology, Imaging of Cerebrovascular Disease is a concise yet remarkably thorough textbook that advances the reader's expertise on this subject. The text draws on the author's vast personal experience, case studies, and traditional educational sources, offering didactic dialogue with accompanying images.

A practical clinical resource organized into six chapters, this book offers unparalleled breadth in delineating the diagnostic and treatment usages of modern imaging techniques. Chapter one sets a foundation with extensive coverage of modalities and their applications, including MR, computed tomography (CT) and digital subtraction angiography (DSA). Subsequent chapters cover utilization of imaging techniques specific to underlying pathologies. Key Features: In-depth discussion of medical and neuroradiologic/neurosurgical interventions, focusing on the use of imaging prior to, during, and following treatment Comprehensive text enhanced with more than 700 high-quality images Detailed evaluation of normal brain anatomy, as well as gyral anatomy in brain ischemia, an important subtopic Advantages, disadvantages, mortality, and morbidity of surgery (clipping) versus endovascular techniques (coiling and flow diversion) for aneurysms Presented in a style that facilitates cover-to-cover reading, this is an essential tool for residents and fellows, and provides a robust study guide prior to sitting for relevant certification exams. It is also a quick, invaluable reference for radiologists, neurosurgeons, and neurologists in the midst of a busy clinical day.

Annotation Interventional cardiologists, general cardiologists, endocrinologists, diabetologists The World Health Organization has projected that the prevalence of diabetes will double over the next 22 years - from a current figure of 150 million to an estimated 300 million people by the year 2025. The health-care burden of diabetes is enormous, and effective strategies to combat the explosive rise in the global incidence and prevalence of diabetes are urgently needed. Furthermore, diabetic patients have a considerable risk for cardiovascular disease, with up to 80% of deaths in individuals with diabetes attributable to microvascular or macrovascular complications. This book provides a concise overview of the present state of the art relating to the impact of diabetes mellitus on cardiovascular disease and to emerging treatment strategies that are beginning to impact on the management of the cardiovascular complications of this debilitating condition.

Statistics show that women live longer than men, and that they constitute a substantial majority of the North American population over age 50. But lack of empirical data on aging women has helped to perpetuate numerous myths and stereotypes. This reference provides a comprehensive overview of current research on women and aging. Chapters are written by expert contributors and are grouped in sections devoted to historical and theoretical views, economic concerns, health and lifestyle issues, demographic information, and relationships. Chapters reflect research on women from diverse racial and ethnic backgrounds, the particular needs of the rural elderly, the problem of sexism and ageism, and the impact of significant life events, such as retirement and widowhood. Chapters cite current research, and the volume closes with a selected bibliography of major studies.

Examining infant through geriatric patients, this guide compiles expert recommendations and research on the wide array of conditions that can secondarily impair cognition or behavior. Supplying key clinical, diagnostic, and therapeutic information, this reference analyzes topics including cerebrovascular disease, infectious processes, multiple sclerosis, traumatic brain injury, adult hydrocephalus syndrome, neuromuscular disorders, metabolic disturbances, medications, psychiatric conditions, and neurodegenerative diseases in which dementia is not the primary manifestation.

This volume provides a vital and comprehensive resource on stroke, including research, diagnosis, prevention, and treatment modalities. Practitioners in these fields will find invaluable information in this handbook, from basic mechanisms of the disease, to enhanced diagnostic and therapeutic capabilities for patient care. With the field of cerebrovascular disorders, including stroke, making rapid advancements, clinicians will find illuminating and insightful chapters on the pathophysiological basis of this disorder. Advances in our understanding of the biochemical background of strokes, coupled with an examination of breakthroughs in epidemiology, genetics, neuroimaging, interventional radiology, surgery, and even clinical psychology are also explored, giving researchers and clinicians a profoundly altered way to approach stroke research, diagnosis, and patient treatment and care. * A comprehensive resource on stroke, prevention techniques, diagnosis, and treatment modalities * Illuminating and insightful information on the pathophysiological basis of stroke * A thorough examination of the rapid advancements made in the field of cerebrovascular disorders and their applications to stroke

Handbook of Clinical Nutrition and Stroke is a comprehensive reference on nutrition for the multidisciplinary team caring for stroke patients. Targeting physicians, nurse practitioners, clinical dietitians, and advanced allied health and medical students, this volume provides an introduction on the different types of stroke, associated risk factors, and uniquely featured global perspectives on stroke. In addition to discussing stroke risk factors, the book expands upon treatment and management from the acute care setting through rehabilitation, captures the lifespan of patients affected by stroke, and discusses the progression of the nutrition care plan. Containing the most up-to-date, evidence based information currently available, Handbook of Clinical Nutrition and Stroke is a valuable resource for clinicians working with the stroke population.

Treatment of vascular disease has progressed and evolved rather quickly in the last 50Co10 years with current treatments improving and changing rapidly. This handbook serves to educate medical students and surgery residents regarding the most up-to-date treatments for arterial, venous and lymphatic disease. Endovascular management of these disorders has emerged rapidly and the most current techniques will be covered in detail."

This comprehensive and practical book fills the current knowledge gap about the incidence and characteristics of seizures in all kinds of cerebrovascular disorders. Chapters are divided according to the nature of cerebrovascular diseases and highlight incidence, early versus late onset seizure types, pathophysiology, electro-clinical manifestations, treatment and prognosis. Authored by leaders in the field of epilepsy and stroke, Seizures in Cerebrovascular Disorders is an excellent resource for the daily management of patients suffering from this disease overlap.

This book offers a practical guide to endovascular treatment of cerebrovascular disease and provides a concise reference for the related neurovascular anatomy and the various disorders that affect the vascular system. Fully revised and updated, the information is accessible and easy to read. It discusses fundamental principles underlying cerebral and spinal angiography; interventional techniques, devices, and

