



American Stroke Association
A division of the American Heart Association

The known and unknown of stroke

KNOWN

Each year **795,000** people in the U.S. have a stroke.²



TYPES OF STROKE



STROKE is

an interruption of blood flow to the brain. Without oxygen-rich blood, brain cells die.

Ischemic occurs when a clot or mass blocks a blood vessel, cutting off blood flow to a part of the brain.^{1,2}

Hemorrhagic occurs when a weakened blood vessel, like an aneurysm, ruptures and spills blood into the brain.^{1,2}

ABOUT 1/4 of ischemic strokes are classified as **CRYPTOGENIC**, meaning the **CAUSE IS UNKNOWN**.³

FINDING THE CAUSE

of a stroke is important because it helps reduce the risk of another stroke.



POSSIBLE HIDDEN CAUSES



Irregular heartbeat (Atrial Fibrillation)
AFib patients are at a **5X** greater risk for stroke.¹

Heart structure problem (such as Patent Foramen Ovale)
Hardening of the arteries (Large Artery Atherosclerosis)
Blood clotting disorder (Thrombophilia)

UNKNOWN

FIND THE FACTS at Stroke.org/CS

Medtronic

Supports the American Stroke Association's Cryptogenic Stroke Initiative.

1 - Benjamin EJ, et al. *Circulation*. 2015;132:e520-e528.

2 - Benjamin EJ, Blaha MJ, Chiuve SE, et al. on behalf of the AHA Statistics Committee and SS Subcommittee. Heart disease and stroke statistics—2017 update: a report from the AHA. *Circulation*. 2017;135:e229-e455.

3 - Saver JL. Cryptogenic Stroke. *N Engl J Med* 2016;374:2065-74.

About Stroke

Judd E. Hollander



About Stroke:

Fast Facts About Stroke Care for the Advanced Practice Nurse Kathy Morrison, Kathy J. Morrison, Diane C. McLaughlin, 2023-08-11 This practical guide to diagnostic tests advanced treatments medication management research protocols and best practice standards is a quick and handy reference for the advanced practice nurse caring for stroke patients *Fast Facts About Stroke Care for the Advanced Practice Nurse* serves as an instructive resource for advanced practice providers not specializing in neurology or neurocritical care but who are increasingly called upon to care for patients suffering from stroke while integrating into a multidisciplinary stroke team This new book provides foundational information on the anatomy and physiology of the stroke patient as well as diagnostic and assessment tools and details on treatment and education In addition the book provides important information on critical care pharmacology end of life management and research as well as examining the role of the advanced practice provider who is integrating within the core stroke team *Fast Facts About Stroke Care for the Advanced Practice Nurse* provides advanced practice nurses with the essential knowledge they will need to successfully care for stroke patients while adapting into their role on the core stroke team Key Features Reflects the most current standards of the American Heart Association American Stroke Association and the leading certifying organizations Foundational information on stroke care anatomy and physiology Comprehensive review of diagnostic studies and treatments Information on stroke research protocols pharmacology and end of life management Advanced level resource for new and seasoned advanced practice providers **100 Questions & Answers About Stroke** Kinan K Hreib, 2008-02-04 *EMPOWER YOURSELF* There are 750 000 strokes in the United States each year Whether you are a newly diagnosed patient or a loved one of someone who has suffered from a stroke this book offers help The only text to provide both the doctor's and patient's views 100 Questions Answers About Stroke A Lahey Clinic Guide provides authoritative practical answers to the most common questions asked by patients and their loved ones Written by an expert in the field this clearly written book is a complete guide to causes treatments and much more Including actual patient commentary 100 Questions Answers About Stroke is an invaluable resource 2009 185 pages **Sex and Gender Differences in Cardiovascular-Renal-Metabolic Physiology and Pathophysiology** Jane Reckelhoff, Licy L. Yanes Cardozo, Noha Shawky, 2024-11-29 *Sex and Gender Differences in Cardiovascular Renal Metabolic Physiology and Pathophysiology Sex Gender and Function* the latest release in the *Fundamentals of Physiology* series provides a fundamental overview on sex and gender differences in all aspects of physiology The book shares information on sex and gender differences in a variety of topics in a single comprehensive volume This book published in association with the International Union of Physiological Sciences acts as a primer of information scientists can build upon with their own research in sex and gender based research Discusses how sex contributes to human cardiovascular renal metabolic disease i e sex steroids chromosomes genes Provides hot topics in sex gender research Written by global leaders in their field of expertise 100

Questions & Answers About Stroke: A Lahey Clinic Guide Kinan K Hreib, 2008-02-04 EMPOWER YOURSELF There are 750 000 strokes in the United States each year Whether you re a newly diagnosed patient or a loved one of someone who has suffered from a stroke this book offers help The only text to provide both the doctor s and patient s views 100 Questions Answers About Stroke A Lahey Clinic Guide provides authoritative practical answers to the most common questions asked by patients and their loved ones Written by an expert in the field this clearly written book is a complete guide to causes treatments and much more Including actual patient commentary 100 Questions Answers About Stroke is an invaluable resource 2009 185 pages Stroke For Dummies John R. Marler, 2011-04-18 Features tons of advice for recovery and rehabilitation Get the latest on the symptoms diagnosis and treatment of stroke Have questions and concerns about strokes This reassuring guide provides invaluable information for stroke victims and their loved ones from what a stroke is and what it feels like to proven treatments and therapies You ll see how to implement a plan for preventing stroke treat the lingering effects of stroke and maximize home caregiver effectiveness while minimizing fatigue Discover how to Understand what causes different types of stroke Recognize warning signs Get the most out of doctors and hospitals Speed recovery with the best treatments Help prevent future strokes Decide the best living arrangements after stroke *Stroke Sourcebook, 5th Ed.* James Chambers, 2020-06-01 Stroke Sourcebook Fifth Edition provides detailed information about stroke its causes and types such as Ischemic hemorrhagic and recurrent stroke *Stroke Recovery and Rehabilitation* Richard Harvey, Richard F. Macko, Joel Stein, Carolee Winstein, Richard D. Zorowitz, 2008-11-20 A Doody s Core Title 2012 Stroke Recovery and Rehabilitation is the new gold standard comprehensive guide to the management of stroke patients Beginning with detailed information on risk factors epidemiology prevention and neurophysiology the book details the acute and long term treatment of all stroke related impairments and complications Additional sections discuss psychological issues outcomes community reintegration and new research Written by dozens of acknowledged leaders in the field and containing hundreds of tables graphs and photographic images Stroke Recovery and Rehabilitation features The first full length discussion of the most commonly encountered component of neurorehabilitation Multi specialty coverage of issues in rehabilitation neurology PT OT speech therapy and nursing Focus on therapeutic management of stroke related impairments and complications An international perspective from dozens of foremost authorities on stroke Cutting edge practical information on new developments and research trends Stroke Recovery and Rehabilitation is a valuable reference for clinicians and academics in rehabilitation and neurology and professionals in all disciplines who serve the needs of stroke survivors **Departments of Labor, Health and Human Services, Education, and Related Agencies Appropriations for 2008** United States. Congress. House. Committee on Appropriations. Subcommittee on the Departments of Labor, Health and Human Services, Education, and Related Agencies, 2007 Research Activities , 1994 **American Rehabilitation** , 1992

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