

# Stroke

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Stroke or cerebrovascular accident is the clinical designation for a rapidly developing loss of brain function due to a disturbance in the blood vessels supplying blood to the brain. This phenomenon can be due to ischemia caused by thrombosis or embolism, or due to a hemorrhage. In medicine, a stroke, fit, or faint is sometimes referred to as an ictus [cerebri], from the Latin icere , especially prior to a definitive diagnosis. Stroke is a medical emergency and can cause permanent neurological damage, complications and death if not promptly diagnosed and treated. It is the third leading cause of death and the leading cause of adult disability in the United States and Europe. It is predicted that stroke will soon become the leading cause of death worldwide. Risk factors for stroke include advanced age, hypertension , previous stroke or transient ischaemic attack , diabetes, high cholesterol, cigarette smoking, atrial fibrillation, migraine with aura, and thrombophilia . In clinical practice, blood pressure is the most important modifiable risk factor of stroke. Stroke symptoms typically develop rapidly . The symptoms of a stroke are related to the anatomical location of the damage; nature and severity of the symptoms can therefore vary widely. On the basis of the history and neurological examination, as well as the presence of risk factors, a doctor can rapidly diagnose the anatomical nature of the stroke , even if the exact cause is not yet known. The traditional definition of stroke, devised by the World Health Organisation in the 1970s, is of a "neurological deficit of cerebrovascular cause that persists beyond 24 hours or is interrupted by death within 24 hours". This definition was supposed to reflect the reversibility of tissue damage and was devised for the purpose, with the time frame of 24 hours being chosen arbitrarily. It divides stroke from TIA, which is a related syndrome of stroke symptoms that resolve completely within 24 hours. With the availability of treatments that, when given early, can reduce stroke severity, many now prefer alternative concepts, such as brain attack and acute ischemic cerebrovascular syndrome , that reflect the urgency of stroke symptoms and the need to act swiftly. Treatment of stroke is occasionally with thrombolysis , but usually with supportive care and secondary prevention with antiplatelet drugs , blood pressure control, statins and anticoagulation . ( [From the Wikipedia article Stroke](#) .)

## Recent Publications on Stroke:



- [Transcranial Doppler ultrasonography in infants with sickle cell disease-Is earlier identification of children at risk of stroke possible?](#)  
*BACKGROUND: Recurrent laryngeal nerve palsy (RLNP) is a recognised...* 21st November, 2009  
Division of Hematology, Department of Pediatrics, Children's Hospital of- Pediatr Blood Cancer. 2009 Nov 19. ([DOI Direct Link](#))
- [Stroke-psychosis. Description of two cases.](#)  
*Introduction. The presence of neuropsychiatry symptoms (hallucinations,...* 21st November, 2009  
- Actas Esp Psiquiatr. 2009 Jul;37(4):240-242.
- [Effect of cilostazol on cerebral arteries in secondary prevention of ischemic stroke.](#)  
*Objective To compare the effects of cilostazol on cerebral arteries and...* 21st November, 2009

Department of Neurology, the 2nd Affiliated Hospital of Guangzhou Medical- Neurosci Bull. 2009 Dec;25(6):383-390.

- [Renal ACE2 expression and activity is unaltered during established hypertension in adult SHRSP and TGR\(mREN2\)27.](#)  
*Differential renal expression of a homolog of the angiotensin-converting...21st November, 2009*  
Department of Pathology and Medical Biology, University Medical Center- Hypertens Res. 2009 Nov 20. ([DOI Direct Link](#))
- [Combined Association of Lipids and Blood Pressure in Relation to Incident Cardiovascular Disease in the Elderly: The Cardiovascular Health Study.](#)  
*BackgroundHypertension and dyslipidemia are highly prevalent in the...21st November, 2009*  
Heart Disease Prevention Program, Division of Cardiology, Department of- Am J Hypertens. 2009 Nov 19. ([DOI Direct Link](#))
- [Reverse remodeling and improved function by antihypertensive treatment in hypertensive patients with coronary artery disease.](#)  
*BACKGROUND: Although antihypertensive therapy reduces cardiovascular...21st November, 2009*  
aKyoto University Hospital, Kyoto, Japan bAmagasaki Central Hospital,- J Hypertens. 2009 Nov 18. ([DOI Direct Link](#))
- [How imaging will guide rehabilitation.](#)  
*PURPOSE OF REVIEW: Human ischemic stroke is a multistage disorder with...21st November, 2009*  
aDepartment of Neurology, University Hospital Dusseldorf, Germany- Curr Opin Neurol. 2009 Nov 18. ([DOI Direct Link](#))
- [Reperfusion for acute ischemic stroke: arterial revascularization and collateral therapeutics.](#)  
*PURPOSE OF REVIEW: Reperfusion of the ischemic territory forms the basis...21st November, 2009*  
UCLA Stroke Center, Los Angeles, California, USA.- Curr Opin Neurol. 2009 Nov 18. ([DOI Direct Link](#))
- [Prehospital stroke care: potential, pitfalls, and future.](#)  
*PURPOSE OF REVIEW: Tissue-type plasminogen activator is the only...21st November, 2009*  
aINSERM U-698, Clinical Research in Atherothrombosis and Denis Diderot- Curr Opin Neurol. 2009 Nov 18. ([DOI Direct Link](#))
- [Molecular Time: An Often Overlooked Dimension to Cardiovascular Disease.](#)  
*Abstract: Diurnal rhythms influence cardiovascular physiology such as...21st November, 2009*  
Department of Biomedical Sciences, OVC, University of Guelph, Guelph, ON,- Circ Res. 2009 Nov 20;105(11):1047-1061. ([DOI Direct Link](#))
- [Excessive Incidence of Stroke in Iran. Evidence From the Mashhad Stroke Incidence Study \(MSIS\), a Population-Based Study of Stroke in the Middle East.](#)  
*BACKGROUND AND PURPOSE: The epidemiology of stroke and its subtypes in the...21st November, 2009*  
From the Department of Neurology.- Stroke. 2009 Nov 19. ([DOI Direct Link](#))
- [Low Risk of Ipsilateral Stroke in Patients With Asymptomatic Carotid Stenosis on Best Medical Treatment. A Prospective, Population-Based Study.](#)  
*BACKGROUND AND PURPOSE: The annual risk of ischemic stroke distal to...21st November, 2009*  
From the Stroke Prevention Research Unit, Department of Clinical- Stroke. 2009 Nov 19. ([DOI Direct Link](#))
- [Association of Thyroid Autoantibodies With Moyamoya-Type Cerebrovascular Disease. A Prospective Study.](#)  
*BACKGROUND AND PURPOSE: To investigate the association between thyroid...21st November, 2009*  
From the Department of Neurology, the Center for Health Promotion, and the- Stroke. 2009 Nov 19. ([DOI Direct Link](#))
- [Postthrombolysis Blood Pressure Elevation Is Associated With Hemorrhagic Transformation.](#)  
*BACKGROUND AND PURPOSE: Reliable predictors of hemorrhagic transformation...21st November, 2009*  
From the Division of Neurology, University of Alberta, Edmonton, Alberta,- Stroke. 2009 Nov 19. ([DOI Direct Link](#))

- [Relationship Between White-Matter Hyperintensities and Hematoma Volume and Growth in Patients With Intracerebral Hemorrhage.](#)  
*BACKGROUND AND PURPOSE: The presence of white-matter hyperintensities...*21st November, 2009  
From the Second Affiliated Hospital of Zhejiang University, Hangzhou,- Stroke. 2009 Nov 19. ([DOI Direct Link](#))

## BioNews Results for Stroke

- [Vitamin D Deficiency May Significantly Increase Risk of Stroke, Heart Disease and Death](#)  
*UK PRWire: Nov 21 2009 4:54AM Matching: stroke*
- [Stem Cell Therapeutics \(SSS.V\) Announces Positive Review by Data Safety and Monitoring Board for the Phase IIb](#)  
*BioSpace: Nov 21 2009 12:39AM Matching: stroke*
- [Stem Cell Therapeutics Corp. Announces Positive Review by Data Safety and Monitoring Board for the Phase IIb Stroke Trial](#)  
*Individual.com: Nov 21 2009 6:26AM Matching: stroke*
- [Stem Cell Therapeutics Corp. Announces Positive Review by Data Safety and Monitoring Board for the Phase IIb Stroke Trial](#)  
*Individual.com: Nov 21 2009 6:26AM Matching: stroke*
- [Poll Finds One in Six Brit Kids Eats a Takeaway Every Day](#)  
*MedIndia: Nov 21 2009 5:09AM Matching: stroke*
- [Early Communication about an Ongoing Safety Review of Meridia \(sibutramine hydrochloride\)](#)  
*Bioscience Technology Online: Nov 21 2009 1:11AM Matching: stroke*
- [Stem Cell Therapeutics Corp. Announces Positive Review by Data Safety and Monitoring Board for the Phase IIb Stroke Trial](#)  
*Earthtimes.org: Nov 20 2009 1:59PM Matching: stroke*
- [Stem Cell Therapeutics Corp. Announces Positive Review by Data Safety and Monitoring Board for the Phase IIb S](#)  
*Canadian Business Magazine: Nov 20 2009 1:48PM Matching: stroke*
- [Stem Cell Therapeutics Corp. Announces Positive Review by Data Safety and Monitoring Board for the Phase IIb S](#)  
*Canadian Business Magazine: Nov 20 2009 1:48PM Matching: stroke*
- [Stem Cell Therapeutics Corp. Announces Positive Review by Data Safety and Monitoring Board for the Phase IIb S](#)  
*Reuters: Nov 20 2009 2:28PM Matching: stroke*
- [Stem Cell Therapeutics Corp. Announces Positive Review by Data Safety and Monitoring Board for the Phase IIb S](#)  
*Genetic Engineering News: Nov 20 2009 2:28PM Matching: stroke*
- [Stem Cell's phase IIb trial gets positive DSMB review](#)  
*Stockwatch: Nov 20 2009 1:58PM Matching: stroke*
- [Stem Cell Therapeutics Corp. Announces Positive Review by Data Safety and Monitoring Board for the Phase IIb S](#)  
*Street Insider: Nov 20 2009 1:42PM Matching: stroke*
- [Stem Cell Therapeutics Corp. Announces Positive Review by Data Safety and Monitoring Board for the Phase IIb S](#)  
*Yahoo! Canada: Nov 20 2009 1:40PM Matching: stroke*
- [Inflammation: Study findings from Columbia University provide new insights into inflammation](#)  
*NewsRX: Nov 20 2009 7:15AM Matching: stroke*





## Stroke Patents:

- 7618964- [Benzamide derivatives, their manufacture and use as pharmaceutical agents](#)
- 7619117- [Rasagiline formulations and processes for their preparation](#)
- 7619131- [Articles comprising transparent/translucent polymer composition](#)
- 7619157- [Electronic keyboard instrument and processing method of the same](#)
- 7619175- [Spring structure for press type switch and press type switch for electronic timepiece and electronic timepiece having the same](#)
- 7619207- [Lithographic apparatus and device manufacturing method](#)
- 7619330- [Stage apparatus](#)
- 7619358- [Dispersion-type EL device and illuminated switch unit using the same](#)
- 7619377- [Linear motor system](#)
- 7619607- [Embedding a pattern design onto a liquid crystal display](#)
- 7619646- [System and method to illuminate and image the inside diameter of a stent](#)
- 7619097- [Antagonists of the magnesium binding defect as therapeutic agents and methods for treatment of abnormal physiological states](#)
- 7619096- [3-Aminopyrrolidines as inhibitors of monoamine uptake](#)
- 7618969- [Compounds which potentiate glutamate receptor and uses thereof in medicine](#)
- 7618970- [3-aminocyclopentanecarboxamides as modulators of chemokine receptors](#)
- 7618980- [Pyrrolo\(oxo\)quinolines as 5HT ligands](#)
- 7618987- [Acylated piperidine derivatives as melanocortin 4-receptor agonists](#)
- 7618988- [Use of substituted aminomethyl chromans](#)
- 7619005- [Methods for treating cognitive impairment in humans with Multiple Sclerosis](#)
- 7619007- [Method and composition for administering an NMDA receptor antagonist to a subject](#)
- 7619062- [PRO214 polypeptides](#)
- 7619066- [IL-1ra variants](#)
- 7619091- [8-hydroxy quinoline derivatives](#)
- 7619666- [Image processing apparatus, control method therefor, and program correcting image data based on foreign substance information and inhibiting such correction](#)
- 7619715- [Coupling apparatus, exposure apparatus, and device fabricating method](#)
- 7619717- [Method for performing a focus test and a device manufacturing method](#)
- 7620447- [Method for assessing the contraction synchronization of a heart](#)
- 7620448- [Methods and devices for monitoring myocardial mechanical stability](#)
- 7620451- [Methods and apparatus for pulsed electric field neuromodulation via an intra-to-extravascular approach](#)
- 7620456- [Systems and methods for reducing the likelihood of inducing collateral neural activity during neural stimulation threshold test procedures](#)
- 7620476- [Autonomous surface cleaning robot for dry cleaning](#)
- 7620488- [Engine control apparatus](#)
- 7620522- [Diagnostic device for at least one pneumatic valve actuator arrangement](#)
- 7620525- [Method of generating CAD files and delivering CAD files to customers](#)
- 7620830- [Halt state for protection of hard disk drives in a mobile computing environment](#)
- 7620834- [Battery voltage sag avoidance algorithm for a wireless handheld device](#)
- 7620312- [Focus detection apparatus and signal processing method for focus detection](#)
- 7620308- [Digital camera and method of controlling the same](#)
- 7619737- [Method of measurement, an inspection apparatus and a lithographic apparatus](#)

- 7619738- [Marker structure for optical alignment of a substrate, a substrate including such a marker structure, an alignment method for aligning to such a marker structure, and a lithographic projection apparatus](#)
- 7619739- [Detection and identification of biological agents using Bragg filters](#)
- 7619747- [Lithographic apparatus, analyzer plate, subassembly, method of measuring a parameter of a projection system and patterning device](#)
- 7619756- [Printer incorporating a binding assembly](#)
- 7619844- [Disk drive comprising a mechanical position sensor to prevent a runaway condition](#)
- 7619846- [Self-servo writing using staged patterning](#)
- 7620190- [Device for actuating a membrane and a vehicle comprising a device for actuating a membrane](#)
- 7620244- [Methods and systems for slant compensation in handwriting and signature recognition](#)
- 7620245- [Cursive handwriting recognition with hierarchical prototype search](#)
- 7620930- [Method, program product and apparatus for model based scattering bar placement for enhanced depth of focus in quarter-wavelength lithography](#)

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