LKC Stroke evidence update

Evidence Update (CAS)

In support of the Chronic Disease Guidelines
Queensland Department of Health

See also Statewide Stroke Clinical Network


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Source of references: Ebsco Medline and CINAHL databases

This list is not a complete set of information on Stroke

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Stroke – Evidence (Systematic reviews, Meta-analysis, Randomised control trials)

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Belief, Confidence, and Motivation to Use the Paretic Upper Limb in Daily Life Over the First 24 Weeks After Stroke. (includes abstract) Waddell, Kimberly J.; Tabak, Rachel G.; Strube, Michael J.; Haire-Joshu, Debra; Lang, Catherine E.; Journal of Neurologic Physical Therapy, Oct 2019; 43 197-203. 7p. (Article) ISSN: 1557-0576
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The Effect of Stroke on Middle Cerebral Artery Blood Flow Velocity Dynamics During Exercise. (includes abstract) Kempf, Katie S.; Whitaker, Alicen A.; Lui, Yumei; Witte, Emily; Perdomo, Sophy J.; Ward, Jaimie L.; Eickmeyer, Sarah; Ledbetter, Luke; Abraham, Michael; Billinger, Sandra A.; Journal of Neurologic Physical Therapy, Oct 2019; 43 212-219. 8p. (Article) ISSN: 1557-0576
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Community cycling exercise for stroke survivors is feasible and acceptable. (includes abstract) Kerr, Andy Cummings, Joanne Barber, Mark McKeown, Marie Rowe, Phillip Mead, Gillian Doucet, Amy Berlouis, Katherine Grealy, Madeleine; Topics in Stroke Rehabilitation, Oct2019; 26(7): 485-490. 6p. (Article) ISSN: 1074-9357 http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,athens&db=ccm&AN=138867427&site=ehost-live


Buyang Huanwu Tang (Boyang Hwano Tang) for the treatment of post-stroke fatigue: Protocol for a systematic review of randomized controlled trials. (English) ; Abstract available. By: Jin C; Cho SY; Park SU; Jung WS; Moon SK; Park JM; Ko CN; Cho KH; Kwon S, Medicine [Medicine (Baltimore)], ISSN: 1536-5964, 2019 Sep; Vol. 98 (37), pp. e17116; Publisher: Lippincott Williams & Wilkins; PMID: 31517848 http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,athens&db=mdc&AN=31517848&site=ehost-live

Stroke – Prevention and control

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**A PHYSICAL ACTIVITY INTERVENTION TO PREVENT COGNITIVE DECLINE AFTER STROKE: SECONDARY RESULTS FROM THE LIFE AFTER STROKE STUDY, AN 18-MONTH RANDOMIZED CONTROLLED TRIAL** (includes abstract) IHLE-HANSEN, HegeLANGHAMMER, BirgittaLYDERSSEN, StianGUNNES, MarilINDREDAVIK, BentASKIM, Torunn; Journal of Rehabilitation Medicine (Stiftelsen Rehableringerinformasjon), 2019; 51(9): 646-651. 6p. (Article) ISSN: 1650-1977
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Stroke – Rehabilitation

**Responsiveness and predictive validity of the computerized digit vigilance test in patients with stroke.** (includes abstract) Huang, Sheau-LingChen, Tzu-TingLin, Gong-HongWu, Chien-TeHsueh, I-PingHsieh, Ching-Lin; Disability & Rehabilitation, Nov2019; 41(22): 2683-2687. 5p. (Article) ISSN: 0963-8288
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Stroke – Therapy

**Effect of Warfarin on Ischemic Stroke, Bleeding, and Mortality in Patients with Atrial Fibrillation Receiving Peritoneal Dialysis** (includes abstract) Phan, Derek; Yang, Su-Jau; Shen, Albert Y.-J.; Lee, Ming-Sum;
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**Efficacy and Safety of High-Frequency Repetitive Transcranial Magnetic Stimulation for Poststroke Depression: A Systematic Review and Meta-analysis** (includes abstract) Liu, Chaomeng; Wang, Meizi; Liang, XiaXue; Zhang, Guiqing;
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‘Real-world’ comparison of first-line direct aspiration and stent retriever mechanical thrombectomy for the treatment of acute ischemic stroke in the anterior circulation: a multicenter international retrospective study. (includes abstract) Martini, Michael; Mocco, J.; Turk, Aquilla; Siddiqui, Adnan H.; Fiorella, David; Hanel, Ricardo A.; Woodward, Keith; Rai, Ansaar; Frei, Don; Almankind, Josser; DelgadoKelly, Michael E.; Peeling, Lissa; Arthur, Adam S.; Baxter, Blaise; English, Joey; Linfante, Italo; De Leacy, Reaed;
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Balloon-mounted stents for acute intracranial large vessel occlusion secondary to presumed atherosclerotic disease: evolution in an era of supple intermediate catheters. (includes abstract) Gross, Bradley A.; Desai, Shashvat M.; Walker, Gregory; Jankowitz, Brian; Thomas; Jadhav, Ashutosh; Jovin, Tudor G.;
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Impact of procedural time on clinical and angiographic outcomes in patients with acute ischemic stroke receiving endovascular treatment. (includes abstract) Hassan, Amer E.; Shariff, Umar; Saver, Jeffrey L.; Goyal, Mayank; Liebeskind, David; Jahan, Reza; Qureshi, Adnan I.;
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Greater infarct growth limiting effect of mechanical thrombectomy in stroke patients with poor collaterals. (includes abstract) Renú, Arturo; Laredo, Carlos; Montejo, Carmen; Zhao; Rudilosso, Salvatore; Macias, Napoleon; Llull, Laura; Zarco, Federico; Amaro, Sergio; Werner, Mariano; Obach, Victor; Macho, Juan; Chamorro, Angel; Urrea, Xabier;
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Predictors of malignant brain edema after mechanical thrombectomy for acute ischemic stroke. (includes abstract) Xianjun Huang; Qian Yang; Xiaolei Shi; Xiangjun Xu; Liang Ge; Xianhui Ding; Zhiming Zhou;
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Subacute vessel wall imaging at 7-T MRI in post-thrombectomy stroke patients. (includes abstract) Truong, MyBloch, Karin Markenroth-Andersen, MadsAndsberg, GunnarTöger, JohannesWassélius, Johan;
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Web links and organisations

- [Acute Stroke Clinical Care Standard 2015](#) , Australian Commission on Safety and Quality in Health Care
- [Australia’s Health 2016 – 3.6 Stroke](#) | Australian Institute of Welfare
- [Clinical Guidelines for Stroke Management 2017](#) , Stroke Foundation ([Clinical guidelines](#))
- [Stroke Association of Queensland Inc.](http://www.strokeqld.org.au)
- [Stroke Foundation (Australia)](https://strokefoundation.org.au/)
- [Stroke Society of Australasia](http://www.strokesociety.com.au/)
- [Stroke](#) | [What causes a stroke?](consumer health information) . HealthDirect (Australian Government)
- [Stroke risk factors and prevention](consumer health information) . Better Health Channel (Victoria)

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