Evidence Update (CAS)

In support of the Chronic Disease Guidelines
Queensland Department of Health

See also Statewide Stroke Clinical Network

Issue No. 13, August 2019.

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


LanceFraas, MichaelBogdanova, YelenaHarley, J. Preston; Archives of Physical Medicine & Rehabilitation, Aug2019; 100(8): 1515-1533. 19p. (Article) ISSN: 0003-9993

Effect of Tai Chi on Cardiac and Static Pulmonary Function in Older Community-Dwelling Adults at Risk of Ischemic Stroke: A Randomized Controlled Trial. (includes abstract) Zheng, Guo-huaZheng, Xinli, Jun-zheDuan, Ting-jinTao, JingChen, Li-dian; Chinese Journal of Integrative Medicine, Aug2019; 25(8): 582-589. 8p. (Article) ISSN: 1672-0415


Validation studies of virtual reality simulation performance metrics for mechanical thrombectomy in ischemic stroke. (includes abstract) Crossley, RobertLiebig, ThomasHoltmannspoetter, MarkusLindkvist, JohanHenn, PatLonn, LarsGallagher, AnthonyGerald; Journal of NeuroInterventional Surgery, Aug2019; 11(8): 775-780. 7p. (Article) ISSN: 1759-8478

A competitive clinical environment improves procedural times in endovascular stroke treatment. (includes abstract) Mertens, JessicaSingh, RaveenaReich, ArnoDekeyzer, SvenWiesmann, MartinNikoubashm, Omid; Journal of NeuroInterventional Surgery, Aug2019; 11(8): 781-784. 4p. (Article) ISSN: 1759-8478

Kinesio Taping for Balance Function after Stroke: A Systematic Review and Meta-Analysis. (includes abstract) Hu, YijuanZhong, DonglingXiao, QiweiChen, QiangLi, JuanJin, Rongjiang; Evidence-based Complementary & Alternative Medicine (eCAM), 7/16/2019; 1-15. 15p. (Article) ISSN: 1741-427X


Stroke – Prevention and control


Stroke – Rehabilitation


Efficacy of Virtual Reality Combined With Real Instrument Training for Patients With Stroke: A Randomized Controlled Trial. (includes abstract) Oh, Young-BinKim, Gi-WookHan, Kap-SooWon, Yu HuiPark, Sung-HeeSeo, Jeong-HwanKo, Myoung-Hwan;


Kinesio Taping for Balance Function after Stroke: A Systematic Review and Meta-Analysis. (includes abstract) Hu, YijuanZhong, DonglingXiao, QiweiChen, QiangLi, JuanJin, Rongjiang;

Why do people misunderstand stroke symptoms? How background knowledge affects causal attributions for ambiguous stroke symptoms. (includes abstract) Gallagher, JakeMcClure, JohnMcDowall, John;


Long-Dose Intensive Therapy Is Necessary for Strong, Clinically Significant, Upper Limb Functional Gains and Retained Gains in Severe/Moderate Chronic Stroke. (includes abstract) Daly, Janis J.McCabe, Jessica P.Holcomb, JohnMonkiewicz, MichelleGansen, JenniferPundik, Svetlana;

Brain Activations During Optokinetic Stimulation in Acute Right-Hemisphere Stroke Patients and Hemispatial Neglect: An fMRI Study. (includes abstract) von der Gablentz, JaninaKônemund, IngaSprenger, AndreasHeide, WolfgangHeldmann, MarcusHelmchen, ChristophMachner, Björn;

Aerobic exercise and consecutive task-specific training (AExaCTT) for upper limb recovery after stroke: A randomized controlled pilot study. (includes abstract) Valkenborgs, Sarah R.Vliet, PauletteNilsson, MichaelZalewska, KatarzynaVisser, Milanka M.Erickson, Kirk I.Callister, Robin;
Stroke – Therapy

Network pharmacology study of traditional Chinese medicines for stroke treatment and effective constituents screening. (includes abstract) Ren, Liwen; Zheng, Xiangjin; Liu, Jinyi; Fu, WeiQi; Tang, Qin; Wang, Jinhua; Du, Guanhua; Journal of Ethnopharmacology, Oct 2019; 242: 112044-112044. 1p. (Article) ISSN: 0378-8741 http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,athens&db=ccm&AN=137682371&site=ehost-live


"Just got to live life as it comes": A case study of the spousal-dyad longitudinal mild stroke transitional experience. (includes abstract) Hodson, Tenelle; Gustafsson, Louise; Cornwell, Petrea; Brain Injury, 2019; 33(9): 1200-1207. 8p. (Article) ISSN: 0269-9052 http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,athens&db=ccm&AN=137658078&site=ehost-live

Factors associated with delayed presentation at the emergency department in patients with acute ischemic stroke. (includes abstract) Dimitriou, Panagiotis; Tziomalos, Konstantinos; Christou, Konstantinos; Kostaki, Stavroula; Angelopoulou, Stella; Maria Papagianni, Mariantzi Zriva, Eleftheria Chatzopoulos, Georgios Savopoulos, Christos Hatzitolios, Apostolos I.; Brain Injury, 2019; 33(9): 1257-1261. 5p. (Article) ISSN: 0269-9052 http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,athens&db=ccm&AN=137658091&site=ehost-live

Impact of blood pressure levels within first 24 hours after mechanical thrombectomy on clinical outcome in acute ischemic stroke patients. (includes abstract) Cernik, David; Sanak, Daniel; Divisova, Petra; Kocher, Martin; Cihlar, Filip; Zapletalova, Jana; Veverka, Tomas; Prcuchova, Andrea; Ospalik, Dusan; Cerna, Marie; Janousova, Petra; Kral, Michal; Dornak, Tomas; Prasil, Vojtech; Franc, David; Kanovsky, Petr; Journal of NeuroInterventional Surgery, Aug 2019; 11(8): 735-739. 5p. (Article) ISSN: 1759-8478 http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,athens&db=ccm&AN=137650629&site=ehost-live

Efficacy of ‘drive and retrieve’ as a cooperative method for prompt endovascular treatment for acute ischemic stroke. (includes abstract) Osanai, Toshiya; Yasuhiro Ito; Satoshi Ushikoshi; Takeshi Aoki; Masahito


An injectable implant to stimulate the sphenopalatine ganglion for treatment of acute ischaemic stroke up to 24 h from onset (ImpACT-24B): an international, randomised, double-blind, sham-controlled, pivotal trial. (English) ; Abstract available. By: Bornstein NM; Saver JL; Diener HC; Gorelick PB; Shuaib A; Solberg Y; Thackeray L; Savic M; Janelidze T; Zarqua N; Yarnitsky D; Molina CA; ImpACT-24B investigators, Lancet (London, England) [Lancet], ISSN: 1474-547X, 2019 Jul 20; Vol. 394 (10194), pp. 219-229; Publisher: Elsevier; PMID: 31133406 http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,athens&db=mdc&AN=31133406&site=ehost-live


Association Between Transcatheter Aortic Valve Replacement and Early Postprocedural Stroke. (English); Abstract available. By: Huded CP; Tuzcu EM; Krishnaswamy A; Mick SL; Kleiman NS; Svensson LG; Carroll J; Thourani VH; Kirtane AJ; Manandhar P; Kosinski AS; Venugopala S; Kapadia SR, JAMA [JAMA], ISSN: 1538-3598, 2019 Jun 18; Vol. 321 (23), pp. 2306-2315; Publisher: American Medical Association; PMID: 31211345 http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,athens&db=mdc&AN=31211345&site=ehost-live

Microalbuminuria in patients with acute ischemic stroke. (English); Abstract available. By: Li F; Chen QX; Peng B; Chen Y; Yao T; Wang G, Neurological Research [Neurol Res], ISSN: 1743-1328, 2019 Jun; Vol. 41 (6), pp. 498-503; Publisher: Taylor & Francis; PMID: 30931822 http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,athens&db=mdc&AN=30931822&site=ehost-live

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](https://strokefoundation.org.au/))
- **Stroke Foundation (Australia)** [https://strokefoundation.org.au/](https://strokefoundation.org.au/)
- **Stroke | What causes a stroke?** ([consumer health information](https://healthdirect.gov.au/)). HealthDirect (Australian Government)
- **Stroke risk factors and prevention** ([consumer health information](https://healthdirect.gov.au/)). Better Health Channel (Victoria)

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