Evidence Update (CAS)

In support of the Chronic Disease Guidelines
Queensland Department of Health

See also Statewide Stroke Clinical Network

Issue No. 12, July 2019.

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Evidence | Prevention | Rehabilitation | Therapy | Web links
Stroke – Evidence (Systematic reviews, Meta-analysis, Randomised control trials)

**Action observation therapy for improving arm function, walking ability, and daily activity performance after stroke: a systematic review and meta-analysis** (includes abstract) Peng, Tzu-HsuanZhu, Jun-DingChen, Chih-ChiTai, Ruei-YiLee, Chia-YiHsieh, Yu-Wei;
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**Effectiveness of electrical stimulation therapy in improving arm function after stroke: a systematic review and a meta-analysis of randomised controlled trials** (includes abstract) Yang, Jheng-DaoLiao, Chun-DeHuang, Shih-WeiTam, Ka-WaiLiou, Tsan-HonLee, Yu-HaoLin, Chia-YunChen, Hung-Chou;
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**Dynamic Lycra® orthoses as an adjunct to arm rehabilitation after stroke: a single-blind, two-arm parallel group, randomized controlled feasibility trial** (includes abstract) Morris, Jacqui HJohn, AlexandraWedderburn, LucyRauchhaus, PetraDonnan, Peter T;
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**Standard early rehabilitation and lower limb transcutaneous nerve or neuromuscular electrical stimulation in acute stroke patients: a randomized controlled pilot study** (includes abstract) Yen, Hsiao-ChingChen, Wen-ShiangJeng, Jiann-ShingLuh, Jer-JunnLee, Ya-YunPan, Guan-Shuo;
Clinical Rehabilitation, Aug2019; 33(8): 1344-1354. 11p. (Article) ISSN: 0269-2155
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**Wristband Accelerometers to motiVate arm Exercises after Stroke (WAVES): a pilot randomized controlled trial** (includes abstract) Da-Silva, Ruth HMoore, Sarah ARodgers, HelenShaw, LisaSutcliffe, Louisevan Wijck, FrederikePrice, Christopher I;
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**Endovascular treatment of acute ischaemic stroke in octogenarians and nonagenarians compared with younger patients** (includes abstract) Kawabata, YasuhiroNakajima, NorioMiyake, HidenoriFukuda, ShunichiTsukahara, Tetsuya;
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**Apixaban in Comparison to Warfarin for Stroke Prevention in Nonvalvular Atrial Fibrillation: A Systematic Review and Meta-Analysis of Observational Studies** (includes abstract) Siddiqui, Muhammad U.Scalzitti, DavidNaeeem, Zunaira;
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Plasma copper and the risk of first stroke in hypertensive patients: a nested case-control study. (includes abstract) Zhang, Jingping Cao, Jingjing Zhang, Hao Jiang, Chongfei Lin, Tengfei Zhou, Ziyi Song, Yun Li, Youbao Liu, Chengzhang Liu, Lishun Wang, Bin Yan Tang, Gen Fu Li, Jianping Zhang, Yan Gui, Yimin Huo, Yong Yang, Yan Ling, Wenhua Yang, Jingang Guo, Huiyuan et al.; American Journal of Clinical Nutrition, Jul 2019; 110(1): 212-220. 9p. (Article) ISSN: 0002-9165
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Cognitive Management Pathways in Stroke Services (COMPASS): A qualitative investigation of key issues in relation to community stroke teams undertaking cognitive assessments. (includes abstract) Ablewhite, Joanne Geraghty, Jennidas Nair, Roshan Lincoln, Nadina Drummond, Avril; British Journal of Occupational Therapy, Jul 2019; 82(7): 404-411. 8p. (Article) ISSN: 0308-0226
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The Speech Arm Vision Eyes (SAVE) scale predicts large vessel occlusion stroke as well as more complicated scales. (includes abstract) Keenan, Kevin J. Smith, Wade S.; Journal of NeuroInterventional Surgery, Jul 2019; 11(7): 659-663. 5p. (Article) ISSN: 1759-8478
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Two weeks of intensive sit-to-stand training in addition to usual care improves sit-to-stand ability in people who are unable to stand up independently after stroke: a randomised trial. (includes abstract) de Sousa, Davide GHarvey, Lisa ADorsch, SimoneVarettas, BronwynJamieson, SerenaMurphy, AbbyGiaccari, Sarah; Journal of Physiotherapy (Elsevier), Jul2019; 65(3): 152-158. 7p. (Article) ISSN: 1836-9553

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Prehospital and hospital delays for stroke patients treated with thrombolysis: A retrospective study from mixed rural–urban area in Northern Finland. (includes abstract) Prehospital and hospital delays for stroke patients treated with thrombolysis: A retrospective study from mixed rural–urban area in Northern Finland. Australasian Emergency Care, Jun2019; 22(2): 76-80. 5p. (Article) ISSN: 2588-994X

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Preventing vessel perforations in endovascular thrombectomy: feasibility and safety of passing the clot with a microcatheter without microwire: the wireless microcatheter technique. (includes abstract) Keulers, AnnikaNikoubashman, OmidMpotsaris, AnastasiosWilson, Scott D.Wiesmann, Martin; Journal of NeuroInterventional Surgery, Jul2019; 11(7): 653-658. 6p. (Article) ISSN: 1759-8478

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Stroke – Therapy


Influence of ASPECTS and endovascular thrombectomy in acute ischemic stroke: a meta-analysis.  (includes abstract) Phan, Kevin Saleh, Serag Dmytriw, Adam A. Maingard, Julian Barras, Christen Hirsch, Joshua A. Hong Kuan Kok Brooks, Mark Chandra, Ronil V. Asadi, Hamed;
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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
- Australian Stroke Coalition (ASC) http://australianstrokecoalition.com.au
- Stroke Foundation (Australia) https://strokefoundation.org.au/
- Stroke risk factors and prevention (consumer health information). Better Health Channel (Victoria)

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