LKC Stroke evidence update (CAS)

In support of the Chronic Disease Guidelines
Queensland Department of Health

See also Statewide Stroke Clinical Network

Issue No. 9, June 2020
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Stroke – Evidence (Systematic reviews, Meta-analysis, Randomised control trials)

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Endovascular treatment decision-making in acute ischemic stroke patients with large vessel occlusion and low National Institutes of Health Stroke Scale: insights from UNMASK EVT, an international multidisciplinary

Balance and Gait After First Minor Ischemic Stroke in People 70 Years of Age or Younger: A Prospective Observational Cohort Study. (includes abstract) Hamre, Charlotta Fure, Brynjard Helbostad, Jorunn LWyller, Torgeir Blihle-Hansen, Hege Vlachos, Georgios Ursin, Marie Tangen, Gro Gujord; Physical Therapy, May 2020; 100(5): 798-806. 9p. (Article - research, tables/charts) ISSN: 0031-9023

Stepping After Stroke: Walking Characteristics in People With Chronic Stroke Differ on the Basis of Walking Speed, Walking Endurance, and Daily Steps. (includes abstract) Handley, Reed Fulk, George Pellegrini, Christine Stewart, Jill Campbell Monroe, Courtney Fritz, Stacy; Physical Therapy, May 2020; 100(5): 807-817. 11p. (Article - research, tables/charts) ISSN: 0031-9023


Stroke – Prevention and control


Four-week training involving self-ankle mobilization with movement versus calf muscle stretching in patients with chronic stroke: a randomized controlled study (includes abstract) Park, Donghwan; Cynn, Heon-Seock; Yi, Chung-hwi; Choi, Woo-chol; Joseph; Shim, Jae-Hun; Oh, Duck-Won; Topics in Stroke Rehabilitation, May 2020; 27(4): 296-304. 9p. (Article - pictorial, research, tables/charts, randomized controlled trial) ISSN: 1074-9357
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Stroke – Rehabilitation

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Poststroke Fatigue and Daily Activity Patterns During Outpatient Rehabilitation: An Experience Sampling Method Study (includes abstract) Lenaert, Bert; Neijmeijer, Matheavan; Kampen, Nadinevan; Heugten, Caroline; Ponds, Rudolf; Archives of Physical Medicine & Rehabilitation, Jun 2020; 101(6): 1001-1008. 8p. (Article - research, tables/charts) ISSN: 0003-9993
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Shoulder pain after recent stroke (SPARS): hemiplegic shoulder pain incidence within 72 hours post-stroke and 8–10 week follow-up (NCT 02574000) (includes abstract) Nadler, Martine; Pauls, Mathilde; Cluckie, Gillian; Moynihan, Barry; Pereira, Anthony C.; Physiotherapy, Jun 2020; 107 142-149. 8p. (Article - research, tables/charts) ISSN: 0031-9406
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Immediate Effect on Ground Reaction Forces Induced by Step Training Based on Discrete Skill during Gait in Poststroke Individuals: A Pilot Study. (includes abstract) Wakida, Masanori Ohata, Koji Hashiguchi, Yu Mori, Kimihiko Hase, Kimitaka Yamada, Shigehito; Rehabilitation Research & Practice, 5/19/2020; 1-8. 8p. (Article - pictorial, research, tables/charts, randomized controlled trial) ISSN: 2090-2867

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Experience of an upper limb training program with a non-immersive virtual reality system in patients after stroke: a qualitative study. (includes abstract) Lehmann, Isabelle Baer, Gillian Schuster-Amft, Corina; Physiotherapy, Jun 2020; 107 317-326. 10p. (Article - research, tables/charts, randomized controlled trial) ISSN: 0031-9406

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Web links and organisations

- Acute Stroke Clinical Care Standard. Australian Commission on Safety and Quality in Health Care
- Australia’s Health 2018 – 3.7 Stroke | Australian Institute of Welfare
- Australian Stroke Coalition (ASC) http://australianstrokecoalition.com.au
- Clinical Guidelines for Stroke Management. Stroke Foundation (Guidelines)
- Stroke Foundation (Australia) https://strokefoundation.org.au/
- Stroke risk factors and prevention (consumer health information). Better Health Channel (Victoria)

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