Evidence Update (CAS)

In support of the Chronic Disease Guidelines
Queensland Department of Health

See also Statewide Stroke Clinical Network

Issue No. 9, June 2019.

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**Predicting fitness-to-drive following stroke using the Occupational Therapy – Driver Off Road Assessment Battery.** (includes abstract) Unsworth, Carolyn A. Baker, Anne Lannin, Natasha Harries, Priscilla Strahan, Janene Browne, Matthew; Disability & Rehabilitation, Jul 2019; 41(15): 1797-1802. 6p. (Article) ISSN: 0963-8288 http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,athens&db=ccm&AN=136679074&site=ehost-live


**Therapeutic effect of Fu's subcutaneous needling for hemiplegic shoulder pain among stroke survivors: Study protocol for a randomized controlled trial.** (English) ; Abstract available. By: Liu T; Wen X; Kuang W; Wang X; Jiang Y; Qiu X; Zeng Y; Zhang G; Yu J; Liu Y, Medicine [Medicine (Baltimore)], ISSN: 1536-5964, 2019 May; Vol. 98 (19), pp. e15507; Publisher: Lippincott Williams & Wilkins; PMID: 31083192 http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,athens&db=mdc&AN=31083192&site=ehost-live


**Development, Reliability, and Validity of the Multiple Errands Test Home Version (MET-Home) in Adults With Stroke.** (includes abstract) Burns, Suzanne Perea Dawson, Deirdre R. Perea, Jaimee D. Vas, Asha Pickens,
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Validation of overestimation ratio and TL-SVS as imaging biomarker of cardioembolic stroke and time from onset to MRI (includes abstract) Bourcier, Romain; Legrand, Laurence; Soize, Sébastien; Labreuche, Julien; Beaumont, Marine; Desal, Hubert; Derraz, Imad; Bracard, Serge; Oppenheim, Catherine; Naggara, Olivier; THRACE investigators;
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Risk of Stroke among Patients with Chronic Rhinosinusitis: A Systematic Review and Meta-analysis (includes abstract) Wattanachayakul, Phuwwadith; Rujirachun, Pongprue; Ungprasert, Patompong;
http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,athens&db=ccm&AN=136347821&site=eholive

Progressive Respiratory Muscle Training for Improving Trunk Stability in Chronic Stroke Survivors: A Pilot Randomized Controlled Trial (includes abstract) Lee, Kyeongbong; Park, Daesung; Lee, Gyu;
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Outcomes for Patients With In-Hospital Stroke: A Multicenter Study From the Australian Stroke Clinical Registry (AuSCR) (includes abstract) Cadilhac, Dominique; Kilkenny, Monique; Lannin, Natasha; Dewey, Helen; Levi, Christopher; Hill, Kelvin; Grabsch, Brenda; Griflney, Rohan; Blacker, David; Thrift, Amanda; Middleton, Sandy; Anderson, Craig; Donnan, Geoffrey;
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Direct Aspiration versus Stent Retriever Thrombectomy for Acute Stroke: A Systematic Review and Meta-Analysis in 9127 Patients (includes abstract) Primiani, Christopher; Vicente, Angel; China; Brannick, Michael; Turk, Aquilla; Mocco, Jlevy; Elad; Siddiqui, Adnan; Mokin, Maxim;
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Stroke – Prevention and control

Robotic-Assisted Shoulder Rehabilitation Therapy Effectively Improved Poststroke Hemiplegic Shoulder Pain: A Randomized Controlled Trial (includes abstract) Kim, Min-Su; Kim, Sung Hoon; Noh, Se-Eung; Bang, Heui;
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Thrombolysis Guided by Perfusion Imaging up to 9 Hours after Onset of Stroke. (English); Abstract available. By: Ma H; Campbell BCV; Parsons MW; Churilov L; Levi CR; Hsu C; Kleining TJ; Wijeratne T; Curtze S; Dewey HM; Miteff F; Tsai CH; Lee JT; Phan TG; Mahant N; Sun MC; Krause M; Sturm J; Grimley R; Chen CH; Hu CJ; Wong AA; Field D; Sun Y; Barber PA; Sabet A; Jannes J; Jeng JS; Clissold B; Markus R; Lin CH; Lien LM; Bladin CF; Christensen S; Yassi N; Sharma G; Bivard A; Desmond PM; Yan B; Mitchell PJ; Thijs V; Carey L; Meretoja A; Davis SM; Donnan GA; EXTEND Investigators; the EXTEND Investigators, The New England Journal Of Medicine [N Engl J Med], ISSN: 1533-4406, 2019 May 09; Vol. 380 (19), pp. 1795-1803; Publisher: Massachusetts Medical Society; PMID: 31067369
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Stroke – Rehabilitation

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Adherence of physical therapy with clinical practice guidelines for the rehabilitation of stroke in an active inpatient setting. (includes abstract) M. S., Ajimsha Kooven, Smitesh Al-Mudahka, Noora; Disability & Rehabilitation, Jul 2019; 41(15): 1855-1862. 8p. (Article) ISSN: 0963-8288
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Propulsive Forces Applied to the Body's Center of Mass Affect Metabolic Energetics Poststroke. (includes abstract) Penke, Kelly Scott, Korre Sinskey, Yunna Lewek, Michael D.; Archives of Physical Medicine & Rehabilitation, Jun 2019; 100(6): 1068-1075. 8p. (Article) ISSN: 0003-9993


eHealth Service for Integrated Care and Outpatient Rehabilitation - Pilot Application of the Tyrol Stroke Pathway. (includes abstract) REITER, KristinaRUNGE, JuliaWELTE, StefanGELEY, TheresaRISSBACHER, ClemensKASTNER, Peter; Studies in Health Technology & Informatics, May2019; 260 218-225. 8p. (Article) ISSN: 0926-9630

Stroke – Therapy

Predicting fitness-to-drive following stroke using the Occupational Therapy – Driver Off Road Assessment Battery. (includes abstract) Unsworth, Carolyn A.Baker, AnneLannin, NatashaHarries, PriscillaStrahan, JaneneBrowne, Matthew; Disability & Rehabilitation, Jul2019; 41(15): 1797-1802. 6p. (Article) ISSN: 0963-8288

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Progression of Aphasia Severity in the Chronic Stages of Stroke. (includes abstract) Johnson, Lisa; Basilakos, Alexandra; Yourganov, Grigori; Bo Cai, Bonilha, Leonardo; Rorden, Chris; Fridriksson, Julius; American Journal of Speech-Language Pathology, May2019; 28 639-649. 11p. (Article) ISSN: 1058-0360 http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,athens&db=ccm&AN=136704552&site=ehost-live

Nicardipine Associated Risk of Short-Term Mortality in Critically Ill Patients with Ischemic Stroke. (includes abstract) Sadeghi, Mahsa; Saber, Hamidreza; Singh, Azara; Hanni, Claudia; Parker, Dennis; Desai, Aaron; Mohamed, Wazim; Journal of Stroke & Cerebrovascular Diseases, May2019; 28(5): 1168-1172. 5p. (journal article) ISSN: 1052-3057 PMID: 30683492 http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,athens&db=ccm&AN=136347824&site=ehost-live


Tales from the Trips: A Qualitative Study of Timely Recognition, Treatment, and Transfer of Emergency Department Patients with Acute Ischemic Stroke. (includes abstract) Hayes, Mitchell; Schlundt, David; Bonnet, Kemberlee; Vogus, Timothy J.; Kripalani, Sunil; Froehler, Michael T.; Ward, Michael J.; Journal of Stroke & Cerebrovascular Diseases, May2019; 28(5): 1219-1228. 10p. (journal article) ISSN: 1052-3057 PMID: 30745000 http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,athens&db=ccm&AN=136347831&site=ehost-live


C-R Relationship between Fasting Plasma Glucose and Unfavorable Outcomes in Patients of Ischemic Stroke without Diabetes. (includes abstract) Xing, Liying; Liu, Shuang; Tian, Yuanmeng; Yan, Han; Jing, Li; Chen, Kangjing; Yan, Fei; Li, Yingqi; Lv, Jianfeng; Sun, Yingxian; Journal of Stroke & Cerebrovascular Diseases, May2019; 28(5): 1400-1408. 9p. (journal article) ISSN: 1052-3057 PMID: 30871867 http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,athens&db=ccm&AN=136347856&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
- **Stroke Foundation (Australia) [https://strokefoundation.org.au/](https://strokefoundation.org.au/)
- **Stroke | What causes a stroke?** ([consumer health information](https://www.healthdirect.gov.au/condition/stroke/what-causes-stroke)). HealthDirect (Australian Government)

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