In support of the Chronic Disease Guidelines
Queensland Department of Health
See also Statewide Stroke Clinical Network

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This list is not a complete set of information on Stroke

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To go to references for each section of the list, click on the following document bookmarks:
Evidence | Prevention | Rehabilitation | Therapy | Web links
Stroke – Evidence (Systematic reviews, Meta-analysis, Randomised control trials)

Is cognition considered in post-stroke upper limb robot-assisted therapy trials? A brief systematic review. 

The effectiveness of extracorporeal shock wave therapy for improving upper limb spasticity and functionality in stroke patients: a systematic review and meta-analysis. 

Resistance training in stroke rehabilitation: systematic review and meta-analysis. 

An integrative review: Challenges and opportunities for stroke survivors and caregivers in hospital to home transition care. 

Forgetting "routine" deep venous thrombosis and stroke during COVID-19 is a parallel pandemic that will be costly if ignored. 

Effectiveness of Intervention Based on End-effector Gait Trainer in Older Patients With Stroke: A Systematic Review. 

Acupuncture for post-stroke insomnia: A protocol for systematic review and meta-analysis. 


Stroke – Prevention and control

Forgetting "routine" deep venous thrombosis and stroke during COVID-19 is a parallel pandemic that will be costly if ignored. 

Prospective study to optimize the health of patients with TIAS (transient ischemic attack) and stroke admitted to the Hamad General Hospital.
Stroke – Rehabilitation

The effectiveness of extracorporeal shock wave therapy for improving upper limb spasticity and functionality in stroke patients: a systematic review and meta-analysis. (includes abstract) Cabanas-Valdés, RosaSerra-Llobet; et al, Clinical Rehabilitation, Sep2020; 34(9): 1141-1156. 16p. (Article - meta analysis, research, systematic review, tables/charts) ISSN: 0269-2155

Resistance training in stroke rehabilitation: systematic review and meta-analysis. (includes abstract) Veldema, Jitka; Jansen, Petra; Clinical Rehabilitation, Sep2020; 34(9): 1173-1197. 25p. (Article - meta analysis, research, systematic review, tables/charts) ISSN: 0269-2155


National Institutes of Health StrokeNet During the Time of COVID-19 and Beyond. (English) By: Broderick JP; et al, NIH StrokeNet Investigators, Stroke [Stroke], ISSN: 1524-4628, 2020 Aug; Vol. 51 (8), pp. 2580-2586; Publisher: Lippincott Williams & Wilkins; PMID: 32716819

Effectiveness of Intervention Based on End-effector Gait Trainer in Older Patients With Stroke: A Systematic Review. (includes abstract) Maranesi, ElviraRiccardi; et al, Journal of the American Medical Directors Association, Aug2020; 21(8): 1036-1044. 9p. (Article - research, systematic review, tables/charts) ISSN: 1525-8610

Critically appraised paper: Upper limb post-stroke telerehabilitation is not inferior to in-clinic rehabilitation. (English) By: Plummer P, Journal of physiotherapy [J Physiother], ISSN: 1836-9561, 2020 Jul; Vol. 66 (3), pp. 198; Publisher: Elsevier; PMID: 32660914

Critically appraised paper: Upper limb post-stroke telerehabilitation is not inferior to in-clinic rehabilitation [commentary]. (English) By: Waddell KJ, Journal of physiotherapy [J Physiother], ISSN: 1836-9561, 2020 Jul; Vol. 66 (3), pp. 198; Publisher: Elsevier; PMID: 32680740

Integrating tDCS into routine inpatient rehabilitation practice to boost post-stroke recovery. (English) By: Shah S; et al, Brain stimulation [Brain Stimul], ISSN: 1876-4754, 2020 Jul - Aug; Vol. 13 (4), pp. 953-954; Publisher: Elsevier; PMID: 32380446

Stroke – Therapy


The utilization of an overground robotic exoskeleton for gait training during inpatient rehabilitation-single-center retrospective findings. (English) ; Abstract available. By: Swank C; et al, International journal of rehabilitation research. Internationale Zeitschrift fur Rehabilitationsforschung. Revue internationale de recherches de readaptation [Int J Rehabil Res], ISSN: 1473-5660, 2020 Sep; Vol. 43 (3), pp. 206-213; Publisher: Lippincott Williams & Wilkins; PMID: 32282573

Use of real-time visual feedback during overground walking training on gait symmetry and velocity in patients with post-stroke hemiparesis: randomized controlled, single-blind study. (English) ; Abstract available. By: Kim JS; Oh DW, International journal of rehabilitation research. Internationale Zeitschrift fur Rehabilitationsforschung. Revue internationale de recherches de readaptation [Int J Rehabil Res], ISSN: 1473-5660, 2020 Sep; Vol. 43 (3), pp. 247-254; Publisher: Lippincott Williams & Wilkins; PMID: 32459669

A single-centre experience of intravenous thrombolysis for stroke in COVID-19 patients, (English) ; Abstract available. By: Sangalli D; et al, Neurological sciences : official journal of the Italian Neurological Society and of the Italian Society of Clinical Neurophysiology [Neur0l Sci], ISSN: 1590-3478, 2020 Sep; Vol. 41 (9), pp. 2325-2329; Publisher: Springer-Verlag Italia; PMID: 32656711


Microcatheter infusion of bolus-dose tirofiban for acute ischemic stroke due to distal intracranial artery occlusion, (English) ; Abstract available. By: Shao SJ; et al, Medicine [Medicine (Baltimore)], ISSN: 1536-5964, 2020 Jul 24; Vol. 99 (30), pp. e21366; Publisher: Lippincott Williams & Wilkins; PMID: 32791743

Acupuncture for post-stroke insomnia: A protocol for systematic review and meta-analysis, (English) ; Abstract available. By: Xiang J; et al, Medicine [Medicine (Baltimore)], ISSN: 1536-5964, 2020 Jul 24; Vol. 99 (30), pp. e21381; Publisher: Lippincott Williams & Wilkins; PMID: 32791749

Mechanical thrombectomy for a 12-year-old boy with acute ischemic stroke: A case report, (English) ; Abstract available. By: Huang Y; et al, Medicine [Medicine (Baltimore)], ISSN: 1536-5964, 2020 Jul 24; Vol. 99 (30), pp. e21436; Publisher: Lippincott Williams & Wilkins; PMID: 32791762

Stroke, (English) ; Abstract available. By: Campbell BCV; Khatri P, Lancet (London, England) [Lancet], ISSN: 1474-547X, 2020 Jul 11; Vol. 396 (10244), pp. 129-142; Publisher: Elsevier; PMID: 32653056

Management of acute stroke and urgent neurointerventional procedures during COVID-19 pandemic; recommendations on the Scientific Department on Cerebrovascular Diseases of the Brazilian Academy of Neurology, Brazilian Society of Cerebrovascular Diseases and Brazilian Society of Neuroradiology, (English) ; Abstract available. By: Mont'alverne FJA; et al, Arquivos de neuro-psiquiatria [Arq Neuropsiquiatr], ISSN: 1678-4227, 2020 Jul; Vol. 78 (7), pp. 440-449; Publisher: Associacao Arquivos De Neuro-Psiquiatria Dr Oswaldo Lange; PMID: 32756857

Acute ischemic stroke in a patient with COVID-19, (English) By: Lima CFC; et al, Arquivos de neuro-psiquiatria [Arq Neuropsiquiatr], ISSN: 1678-4227, 2020 Jul; Vol. 78 (7), pp. 454-455; Publisher: Associacao Arquivos De Neuro-Psiquiatria Dr Oswaldo Lange; PMID: 32609291

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
- **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)

Library Resources

Searching for evidence guide – Critical appraisal – for tips on appraising journal articles

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