

CLNEG058: Neurorehabilitation

[View Online](#)

[1]

Amy J. Bastian 2008. Understanding sensorimotor adaptation and learning for rehabilitation. *Current opinion in neurology*. 21, 6 (2008).
DOI:<https://doi.org/10.1097/WCO.0b013e328315a293>.

[2]

Archy O. de Berker 2013. Predicting the behavioral impact of transcranial direct current stimulation: issues and limitations. *Frontiers in Human Neuroscience*. 7, (2013).
DOI:<https://doi.org/10.3389/fnhum.2013.00613>.

[3]

Baker, K. et al. 2011. Outcome Measurement in Stroke: A Scale Selection Strategy. *Stroke*. 42, 6 (Jun. 2011), 1787–1794. DOI:<https://doi.org/10.1161/STROKEAHA.110.608505>.

[4]

Bernhardt, J. et al. 2009. Very early versus delayed mobilisation after stroke. *Cochrane Database of Systematic Reviews*. (Jan. 2009).
DOI:<https://doi.org/10.1002/14651858.CD006187.pub2>.

[5]

Berthier, M.L. 2014. Cognitive enhancing drugs in aphasia: A vote for hope. *Aphasiology*. 28, 2 (Feb. 2014), 128–132. DOI:<https://doi.org/10.1080/02687038.2013.857756>.

[6]

Bhogal, S.K. et al. 2003. Intensity of Aphasia Therapy, Impact on Recovery * Aphasia Therapy Works! Stroke. 34, 4 (Apr. 2003), 987–993.
DOI:<https://doi.org/10.1161/01.STR.0000062343.64383.D0>.

[7]

Bhogal, S.K. et al. 2003. Intensity of Aphasia Therapy, Impact on Recovery * Aphasia Therapy Works! Stroke. 34, 4 (Apr. 2003), 987–993.
DOI:<https://doi.org/10.1161/01.STR.0000062343.64383.D0>.

[8]

Bowen, A. et al. 2013. Cognitive rehabilitation for spatial neglect following stroke. Cochrane Database of Systematic Reviews. (Jul. 2013).
DOI:<https://doi.org/10.1002/14651858.CD003586.pub3>.

[9]

Brady, M.C. et al. 2016. Speech and language therapy for aphasia following stroke. Cochrane Database of Systematic Reviews. (Jun. 2016).
DOI:<https://doi.org/10.1002/14651858.CD000425.pub4>.

[10]

Brady, M.C. et al. 2016. Speech and language therapy for aphasia following stroke. Cochrane Database of Systematic Reviews. (Jun. 2016).
DOI:<https://doi.org/10.1002/14651858.CD000425.pub4>.

[11]

Breitenstein, C. et al. 2017. Intensive speech and language therapy in patients with chronic aphasia after stroke: a randomised, open-label, blinded-endpoint, controlled trial in a health-care setting. The Lancet. 389, 10078 (Apr. 2017), 1528–1538.
DOI:[https://doi.org/10.1016/S0140-6736\(17\)30067-3](https://doi.org/10.1016/S0140-6736(17)30067-3).

[12]

Buchbinder, R. et al. 2008. Arthrographic distension for adhesive capsulitis (frozen shoulder). Cochrane Database of Systematic Reviews. (Jan. 2008).
DOI:<https://doi.org/10.1002/14651858.CD007005>.

[13]

C. Katz, Brooke Hallowell, Chris Co, R. 2000. A multinational comparison of aphasia management practices. *International Journal of Language & Communication Disorders*. 35, 2 (Jan. 2000), 303–314. DOI:<https://doi.org/10.1080/136828200247205>.

[14]

Carey, L. et al. 2011. SENSe: Study of the Effectiveness of Neurorehabilitation on Sensation. *Neurorehabilitation and Neural Repair*. 25, 4 (May 2011), 304–313. DOI:<https://doi.org/10.1177/1545968310397705>.

[15]

Carmichael, S.T. 2012. Brain Excitability in Stroke. *Archives of Neurology*. 69, 2 (Feb. 2012). DOI:<https://doi.org/10.1001/archneurol.2011.1175>.

[16]

Chae, J. et al. 2007. Poststroke Shoulder Pain: Its Relationship to Motor Impairment, Activity Limitation, and Quality of Life. *Archives of Physical Medicine and Rehabilitation*. 88, 3 (Mar. 2007), 298–301. DOI:<https://doi.org/10.1016/j.apmr.2006.12.007>.

[17]

Chan, E. et al. 2017. The test accuracy of the Montreal Cognitive Assessment (MoCA) by stroke lateralisation. *Journal of the Neurological Sciences*. 373, (Feb. 2017), 100–104. DOI:<https://doi.org/10.1016/j.jns.2016.12.028>.

[18]

Chan, E. et al. 2014. Underestimation of cognitive impairments by the Montreal Cognitive Assessment (MoCA) in an acute stroke unit population. *Journal of the Neurological Sciences*. 343, 1–2 (Aug. 2014), 176–179. DOI:<https://doi.org/10.1016/j.jns.2014.05.005>.

[19]

Chaudhuri, A. and Behan, P.O. 2004. Fatigue in neurological disorders. *The Lancet*. 363,

9413 (Mar. 2004), 978–988. DOI:[https://doi.org/10.1016/S0140-6736\(04\)15794-2](https://doi.org/10.1016/S0140-6736(04)15794-2).

[20]

Cipolotti, L. and Warrington, E.K. 1995. Neuropsychological assessment. *Journal of Neurology, Neurosurgery & Psychiatry*. 58, 6 (Jun. 1995), 655–664.
DOI:<https://doi.org/10.1136/jnnp.58.6.655>.

[21]

Clinical Guidelines for Stroke Management 2017:
<https://informme.org.au/Guidelines/Clinical-Guidelines-for-Stroke-Management-2017>.

[22]

Connell, L. and Tyson, S. 2012. Measures of sensation in neurological conditions: a systematic review. *Clinical Rehabilitation*. 26, 1 (Jan. 2012), 68–80.
DOI:<https://doi.org/10.1177/0269215511412982>.

[23]

Connell, L.A. et al. 2014. Stroke survivors' experiences of somatosensory impairment after stroke: An Interpretative Phenomenological Analysis. *Physiotherapy*. 100, 2 (Jun. 2014), 150–155. DOI:<https://doi.org/10.1016/j.physio.2013.09.003>.

[24]

Corbetta, M. et al. 2005. Neural basis and recovery of spatial attention deficits in spatial neglect. *Nature Neuroscience*. 8, 11 (Nov. 2005), 1603–1610.
DOI:<https://doi.org/10.1038/nn1574>.

[25]

Craig, P. et al. 2008. Developing and evaluating complex interventions: the new Medical Research Council guidance. *BMJ*. (Sep. 2008). DOI:<https://doi.org/10.1136/bmj.a1655>.

[26]

De Doncker, W. et al. 2017. Mechanisms of poststroke fatigue. *Journal of Neurology, Neurosurgery & Psychiatry*. (Sep. 2017). DOI:<https://doi.org/10.1136/jnnp-2017-316007>.

[27]

Demetrios, M. et al. 2013. Multidisciplinary rehabilitation following botulinum toxin and other focal intramuscular treatment for post-stroke spasticity. *Cochrane Database of Systematic Reviews*. (Jun. 2013). DOI:<https://doi.org/10.1002/14651858.CD009689.pub2>.

[28]

Dignam, J. et al. 2015. Intensive Versus Distributed Aphasia Therapy. *Stroke*. 46, 8 (Aug. 2015), 2206–2211. DOI:<https://doi.org/10.1161/STROKEAHA.115.009522>.

[29]

Doyle, S. et al. 2010. Interventions for sensory impairment in the upper limb after stroke. *Cochrane Database of Systematic Reviews*. (Jun. 2010). DOI:<https://doi.org/10.1002/14651858.CD006331.pub2>.

[30]

Duncan, F. et al. 2012. Frequency and natural history of fatigue after stroke: A systematic review of longitudinal studies. *Journal of Psychosomatic Research*. 73, 1 (Jul. 2012), 18–27. DOI:<https://doi.org/10.1016/j.jpsychores.2012.04.001>.

[31]

Ferro, J. M. et al. 1999. Recovery from Aphasia and Neglect. *Cerebrovascular Diseases*. 9, Suppl. 5 (1999), 6–22. DOI:<https://doi.org/10.1159/000047571>.

[32]

Frassinetti, F. et al. 2002. Long-lasting amelioration of visuospatial neglect by prism adaptation. *Brain*. 125, 3 (Mar. 2002), 608–623. DOI:<https://doi.org/10.1093/brain/awf056>.

[33]

Gamble, G.E. et al. 2000. Post stroke shoulder pain: more common than previously realized. European Journal of Pain. 4, 3 (Sep. 2000), 313–315.
DOI:<https://doi.org/10.1053/eujp.2000.0192>.

[34]

Gillen, G. and St Bartholomew School of Nursing and Midwifery 2009. Cognitive and perceptual rehabilitation: optimizing function. Mosby/Elsevier.

[35]

Gorgoraptis, N. et al. 2012. The effects of the dopamine agonist rotigotine on hemispatial neglect following stroke. Brain. 135, 8 (Aug. 2012), 2478–2491.
DOI:<https://doi.org/10.1093/brain/aws154>.

[36]

Green, S. et al. 2003. Physiotherapy interventions for shoulder pain. Cochrane Database of Systematic Reviews. (Apr. 2003). DOI:<https://doi.org/10.1002/14651858.CD004258>.

[37]

Grieve, J.I. 2017. Neuropsychology for occupational therapists: cognition in occupational performance. Wiley Blackwell.

[38]

Harvey, L. et al. 2006. Twelve weeks of nightly stretch does not reduce thumb web-space contractures in people with a neurological condition: a randomised controlled trial. Australian Journal of Physiotherapy. 52, 4 (2006), 251–258.
DOI:[https://doi.org/10.1016/S0004-9514\(06\)70004-6](https://doi.org/10.1016/S0004-9514(06)70004-6).

[39]

Holland, A.L. 1984. Language disorders in adults: recent advances. College-Hill Press.

[40]

Howlett, O.A. et al. 2015. Functional Electrical Stimulation Improves Activity After Stroke: A Systematic Review With Meta-Analysis. *Archives of Physical Medicine and Rehabilitation*. 96, 5 (May 2015), 934–943. DOI:<https://doi.org/10.1016/j.apmr.2015.01.013>.

[41]

Hurford, R. et al. 2013. Domain-specific trends in cognitive impairment after acute ischaemic stroke. *Journal of Neurology*. 260, 1 (Jan. 2013), 237–241. DOI:<https://doi.org/10.1007/s00415-012-6625-0>.

[42]

James, K. 2011. The strands of speech and language therapy: weaving a therapy plan for neurorehabilitation. Speechmark.

[43]

James, S.E.F., M. 2001. Contractures in orthopaedic and neurological conditions: a review of causes and treatment. *Disability and Rehabilitation*. 23, 13 (Jan. 2001), 549–558. DOI:<https://doi.org/10.1080/09638280010029930>.

[44]

Journal of Rehabilitation Medicine - Abstract - Evaluation of functional outcome measures for the hemiparetic upper limb: A systematic review:
<https://www.medicaljournals.se/jrm/content/abstract/10.2340/16501977-0276>.

[45]

Journal of Rehabilitation Medicine - Abstract - The arm studio to intensify the upper limb rehabilitation after stroke: Concept, acceptance, utilization and preliminary clinical results:
<https://medicaljournals.se/jrm/content/abstract/10.2340/16501977-0517>.

[46]

Kaplan, R.F. et al. 1991. Changing Attentional Demands in Left Hemispatial Neglect. *Archives of Neurology*. 48, 12 (Dec. 1991), 1263–1266. DOI:<https://doi.org/10.1001/archneur.1991.00530240067023>.

[47]

Katz, R.C. and Wertz, R.T. 1997. The Efficacy of Computer-Provided Reading Treatment for Chronic Aphasic Adults. *Journal of Speech Language and Hearing Research*. 40, 3 (Jun. 1997). DOI:<https://doi.org/10.1044/jshr.4003.493>.

[48]

Kerkhoff, G. et al. 2014. Smooth Pursuit "Bedside" Training Reduces Disability and Unawareness During the Activities of Daily Living in Neglect. *Neurorehabilitation and Neural Repair*. 28, 6 (Jul. 2014), 554–563. DOI:<https://doi.org/10.1177/1545968313517757>.

[49]

Kilbride, C. et al. 2013. Contemporary splinting practice in the UK for adults with neurological dysfunction: A cross-sectional survey. *International Journal of Therapy and Rehabilitation*. 20, 11 (Nov. 2013), 559–566.
DOI:<https://doi.org/10.12968/ijtr.2013.20.11.559>.

[50]

Kitago, T. and Krakauer, J.W. 2013. Motor learning principles for neurorehabilitation. *Neurological Rehabilitation*. Elsevier. 93–103.

[51]

Kleim, J.A. and Jones, T.A. 2008. Principles of Experience-Dependent Neural Plasticity: Implications for Rehabilitation After Brain Damage. *Journal of Speech Language and Hearing Research*. 51, 1 (Feb. 2008). DOI:[https://doi.org/10.1044/1092-4388\(2008/018\)](https://doi.org/10.1044/1092-4388(2008/018)).

[52]

Klemens Fheodoroff 2015. Factors Influencing Goal Attainment in Patients with Post-Stroke Upper Limb Spasticity Following Treatment with Botulinum Toxin A in Real-Life Clinical Practice: Sub-Analyses from the Upper Limb International Spasticity (ULIS)-II Study. *Toxins*. 7, 4 (2015). DOI:<https://doi.org/10.3390/toxins7041192>.

[53]

Klonoff, P.S. 2010. Psychotherapy after brain injury: principles and techniques. The Guilford Press.

[54]

Kojava, N. et al. 2012. A 'web app' for diagnosing hemianopia. *Journal of Neurology, Neurosurgery & Psychiatry*. 83, 12 (Dec. 2012), 1222–1224.
DOI:<https://doi.org/10.1136/jnnp-2012-302270>.

[55]

Kuppuswamy, A. et al. 2016. Limb Heaviness. *Neurorehabilitation and Neural Repair*. 30, 4 (May 2016), 360–362. DOI:<https://doi.org/10.1177/1545968315597071>.

[56]

Kuppuswamy, A. et al. 2015. Post-stroke fatigue: a deficit in corticomotor excitability? *Brain*. 138, 1 (Jan. 2015), 136–148. DOI:<https://doi.org/10.1093/brain/awu306>.

[57]

Kuppuswamy, A. 2017. The fatigue conundrum. *Brain*. 140, 8 (Aug. 2017), 2240–2245.
DOI:<https://doi.org/10.1093/brain/awx153>.

[58]

Lannin, N.A. et al. 2007. Effects of Splinting on Wrist Contracture After Stroke: A Randomized Controlled Trial. *Stroke*. 38, 1 (Jan. 2007), 111–116.
DOI:<https://doi.org/10.1161/01.STR.0000251722.77088.12>.

[59]

Lannin, N.A. et al. 2003. Splinting the hand in the functional position after brain impairment: A randomized, controlled trial. *Archives of Physical Medicine and Rehabilitation*. 84, 2 (Feb. 2003), 297–302. DOI:<https://doi.org/10.1053/apmr.2003.50031>.

[60]

Lee, J.-H. et al. 2017. Effectiveness of neuromuscular electrical stimulation for management of shoulder subluxation post-stroke: a systematic review with meta-analysis. *Clinical Rehabilitation*. 31, 11 (Nov. 2017), 1431–1444.
DOI:<https://doi.org/10.1177/0269215517700696>.

[61]

Liao, W. et al. 2012. Effects of robot-assisted upper limb rehabilitation on daily function and real-world arm activity in patients with chronic stroke: a randomized controlled trial. *Clinical Rehabilitation*. 26, 2 (Feb. 2012), 111–120.
DOI:<https://doi.org/10.1177/026921551416383>.

[62]

Manually add a new bookmark | University College London:
<http://readinglists.ucl.ac.uk/ui/forms/bookmarklet.html?fast=true&title=Journal%20of%20Rehabilitation%20Medicine%20-%20Abstract%20-%20Screening%20for%20cognitive%20impairment%20after%20stroke%3A%20A%20systematic%20review%20of%20psychometric%20properties%20and%20clinical%20utility&uri=https%253A%252F%252Fwww.medicaljournals.se%252Fjrm%252Fcontent%252Fabstract%252F10.2340%252F16501977-1930>.

[63]

Marshall, J. et al. 2016. Evaluating the Benefits of Aphasia Intervention Delivered in Virtual Reality: Results of a Quasi-Randomised Study. *PLOS ONE*. 11, 8 (Aug. 2016).
DOI:<https://doi.org/10.1371/journal.pone.0160381>.

[64]

Mateer, C.A. et al. 2005. Putting Humpty Dumpty Together Again. *Journal of Head Trauma Rehabilitation*. 20, 1 (Jan. 2005), 62–75.
DOI:<https://doi.org/10.1097/00001199-200501000-00007>.

[65]

McDonald, S. et al. 2014. Social and communication disorders following traumatic brain injury. Psychology Press, Taylor & Francis Group.

[66]

McMillan, T.M. and Wood, R.L. eds. 2017. Neurobehavioural disability and social handicap following traumatic brain injury. Routledge.

[67]

Moorhouse, P. and Rockwood, K. 2008. Vascular cognitive impairment: current concepts and clinical developments. *The Lancet Neurology*. 7, 3 (Mar. 2008), 246–255.
DOI:[https://doi.org/10.1016/S1474-4422\(08\)70040-1](https://doi.org/10.1016/S1474-4422(08)70040-1).

[68]

Murphy, T.H. and Corbett, D. 2009. Plasticity during stroke recovery: from synapse to behaviour. *Nature Reviews Neuroscience*. 10, 12 (Dec. 2009), 861–872.
DOI:<https://doi.org/10.1038/nrn2735>.

[69]

Muscle strength and muscle training after stroke:
<https://www.medicaljournals.se/jrm/content/abstract/10.2340/16501977-0018>.

[70]

Nascimento, L.R. et al. 2014. Cyclical electrical stimulation increases strength and improves activity after stroke: a systematic review. *Journal of Physiotherapy*. 60, 1 (Mar. 2014), 22–30. DOI:<https://doi.org/10.1016/j.jphys.2013.12.002>.

[71]

Nys, G.M.S. et al. 2005. The prognostic value of domain-specific cognitive abilities in acute first-ever stroke. *Neurology*. 64, 5 (Mar. 2005), 821–827.
DOI:<https://doi.org/10.1212/01.WNL.0000152984.28420.5A>.

[72]

PA Mortenson 2003. The use of casts in the management of joint mobility and hypertonia following brain injury in adults: a systematic review. (2003).

[73]

Palmer, R. et al. 2012. Computer Therapy Compared With Usual Care for People With Long-Standing Aphasia Poststroke: A Pilot Randomized Controlled Trial. *Stroke*. 43, 7 (Jul. 2012), 1904–1911. DOI:<https://doi.org/10.1161/STROKEAHA.112.650671>.

[74]

Pollock, A. et al. 2014. Interventions for improving upper limb function after stroke. *Cochrane Database of Systematic Reviews*. (Nov. 2014). DOI:<https://doi.org/10.1002/14651858.CD010820.pub2>.

[75]

Quality Assurance Standards for physiotherapy service delivery | The Chartered Society of Physiotherapy: <http://www.csp.org.uk/publications/quality-assurance-standards>.

[76]

Reinkensmeyer, D.J. et al. 2016. Computational neurorehabilitation: modeling plasticity and learning to predict recovery. *Journal of NeuroEngineering and Rehabilitation*. 13, 1 (Dec. 2016). DOI:<https://doi.org/10.1186/s12984-016-0148-3>.

[77]

Rushton, D.N. 2003. Functional Electrical Stimulation and rehabilitation—an hypothesis. *Medical Engineering & Physics*. 25, 1 (Jan. 2003), 75–78. DOI:[https://doi.org/10.1016/S1350-4533\(02\)00040-1](https://doi.org/10.1016/S1350-4533(02)00040-1).

[78]

Sachdev, P.S. et al. 2014. Progression of cognitive impairment in stroke/TIA patients over 3 years. *Journal of Neurology, Neurosurgery & Psychiatry*. 85, 12 (Dec. 2014), 1324–1330. DOI:<https://doi.org/10.1136/jnnp-2013-306776>.

[79]

Stein, C. et al. 2015. Effects of Electrical Stimulation in Spastic Muscles After Stroke. *Stroke*. 46, 8 (Aug. 2015), 2197–2205. DOI:<https://doi.org/10.1161/STROKEAHA.115.009633>.

[80]

Steven R Zeiler 2013. The interaction between training and plasticity in the post-stroke brain. *Current opinion in neurology*. 26, 6 (2013).
DOI:<https://doi.org/10.1097/WCO.000000000000025>.

[81]

Subhasish Chatterjee 2016. The California Tri-pull Taping Method in the Treatment of Shoulder Subluxation After Stroke: A Randomized Clinical Trial. *North American Journal of Medical Sciences*. 8, 4 (2016). DOI:<https://doi.org/10.4103/1947-2714.179933>.

[82]

The national service framework for long term conditions:
<https://www.gov.uk/government/publications/quality-standards-for-supporting-people-with-long-term-conditions>.

[83]

Tornås, S. et al. 2016. Rehabilitation of Executive Functions in Patients with Chronic Acquired Brain Injury with Goal Management Training, External Cuing, and Emotional Regulation: A Randomized Controlled Trial. *Journal of the International Neuropsychological Society*. 22, 04 (Apr. 2016), 436–452. DOI:<https://doi.org/10.1017/S1355617715001344>.

[84]

Use of an integrated care pathway: a third round audit of the management of shoulder pain in neurological conditions:
<https://medicaljournals.se/jrm/content/abstract/10.1080/16501970310012446>.

[85]

Vafadar, A.K. et al. 2015. Effectiveness of Functional Electrical Stimulation in Improving Clinical Outcomes in the Upper Arm following Stroke: A Systematic Review and Meta-Analysis. *BioMed Research International*. 2015, (2015), 1–14.
DOI:<https://doi.org/10.1155/2015/729768>.

[86]

Van Heugten, C.M. et al. 2015. Can we forget the Mini-Mental State Examination? A systematic review of the validity of cognitive screening instruments within one month after stroke. *Clinical Rehabilitation*. 29, 7 (Jul. 2015), 694–704.
DOI:<https://doi.org/10.1177/0269215514553012>.

[87]

Varley, R. et al. 2016. Self-Administered Computer Therapy for Apraxia of Speech. *Stroke*. (Jan. 2016). DOI:<https://doi.org/10.1161/STROKEAHA.115.011939>.

[88]

Veerbeek, J.M. et al. 2014. What Is the Evidence for Physical Therapy Poststroke? A Systematic Review and Meta-Analysis. *PLoS ONE*. 9, 2 (Feb. 2014).
DOI:<https://doi.org/10.1371/journal.pone.0087987>.

[89]

Ward, N.S. 2015. Does neuroimaging help to deliver better recovery of movement after stroke? *Current Opinion in Neurology*. 28, 4 (Aug. 2015), 323–329.
DOI:<https://doi.org/10.1097/WCO.0000000000000223>.

[90]

Ward, N.S. 2017. Restoring brain function after stroke — bridging the gap between animals and humans. *Nature Reviews Neurology*. 13, 4 (Apr. 2017), 244–255.
DOI:<https://doi.org/10.1038/nrneurol.2017.34>.

[91]

Winegardner, J. et al. 2016. Perspective training to treat anger problems after brain injury: Two case studies. *NeuroRehabilitation*. 39, 1 (Jul. 2016), 153–162.
DOI:<https://doi.org/10.3233/NRE-161347>.

[92]

Ylvisaker, M. and Feeney, T. 2000. Reconstruction of Identity After Brain Injury. *Brain Impairment*. 1, 01 (May 2000), 12–28. DOI:<https://doi.org/10.1375/brim.1.1.12>.

[93]

Ylvisaker, M. and Feeney, T. 2000. Reflections on Dobermanns, poodles, and social rehabilitation for difficult-to-serve individuals with traumatic brain injury. *Aphasiology*. 14, 4 (Apr. 2000), 407–431. DOI:<https://doi.org/10.1080/026870300401432>.

[94]

Code of ethics and professional conduct.

[95]

Effects of neuromuscular electrical stimulation on arterial hemodynamic properties and body composition in paretic upper extremities of patients with subacute stroke.

[96]

Rehabilitation of cognitive impairment post stroke.