

CLNEG058: Neurorehabilitation

[View Online](#)

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

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

Baker, K., Cano, S.J. and Playford, E.D. (2011) 'Outcome Measurement in Stroke: A Scale Selection Strategy', *Stroke*, 42(6), pp. 1787–1794. Available at: <https://doi.org/10.1161/STROKEAHA.110.608505>.

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

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

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

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

Bowen, A. et al. (2013) 'Cognitive rehabilitation for spatial neglect following stroke', *Cochrane Database of Systematic Reviews* [Preprint]. Available at: <https://doi.org/10.1002/14651858.CD003586.pub3>.

Brady, M.C. et al. (2016a) 'Speech and language therapy for aphasia following stroke', *Cochrane Database of Systematic Reviews* [Preprint]. Available at: <https://doi.org/10.1002/14651858.CD000425.pub4>.

Brady, M.C. et al. (2016b) 'Speech and language therapy for aphasia following stroke', *Cochrane Database of Systematic Reviews* [Preprint]. Available at: <https://doi.org/10.1002/14651858.CD000425.pub4>.

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), pp. 1528–1538. Available at: [https://doi.org/10.1016/S0140-6736\(17\)30067-3](https://doi.org/10.1016/S0140-6736(17)30067-3).

Buchbinder, R. et al. (2008) 'Arthrographic distension for adhesive capsulitis (frozen shoulder)', *Cochrane Database of Systematic Reviews* [Preprint]. Available at: <https://doi.org/10.1002/14651858.CD007005>.

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

Carey, L., Macdonell, R. and Matyas, T.A. (2011) 'SENSe: Study of the Effectiveness of Neurorehabilitation on Sensation', *Neurorehabilitation and Neural Repair*, 25(4), pp. 304–313. Available at: <https://doi.org/10.1177/1545968310397705>.

Carmichael, S.T. (2012) 'Brain Excitability in Stroke', *Archives of Neurology*, 69(2). Available at: <https://doi.org/10.1001/archneurol.2011.1175>.

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), pp. 298–301. Available at: <https://doi.org/10.1016/j.apmr.2006.12.007>.

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), pp. 176–179. Available at: <https://doi.org/10.1016/j.jns.2014.05.005>.

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

Chaudhuri, A. and Behan, P.O. (2004) 'Fatigue in neurological disorders', *The Lancet*, 363(9413), pp. 978–988. Available at: [https://doi.org/10.1016/S0140-6736\(04\)15794-2](https://doi.org/10.1016/S0140-6736(04)15794-2).

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

Clinical Guidelines for Stroke Management 2017 (no date). Available at: <https://informme.org.au/Guidelines/Clinical-Guidelines-for-Stroke-Management-2017>.

'Code of ethics and professional conduct' (no date). Available at: https://www.rcot.co.uk/sites/default/files/CODE-OF-ETHICS-2015_0.pdf.

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

Connell, L.A., McMahon, N.E. and Adams, N. (2014) 'Stroke survivors' experiences of somatosensory impairment after stroke: An Interpretative Phenomenological Analysis', *Physiotherapy*, 100(2), pp. 150–155. Available at: <https://doi.org/10.1016/j.physio.2013.09.003>.

- Corbetta, M. et al. (2005) 'Neural basis and recovery of spatial attention deficits in spatial neglect', *Nature Neuroscience*, 8(11), pp. 1603–1610. Available at: <https://doi.org/10.1038/nn1574>.
- Craig, P. et al. (2008) 'Developing and evaluating complex interventions: the new Medical Research Council guidance', *BMJ* [Preprint]. Available at: <https://doi.org/10.1136/bmj.a1655>.
- De Doncker, W. et al. (2017) 'Mechanisms of poststroke fatigue', *Journal of Neurology, Neurosurgery & Psychiatry* [Preprint]. Available at: <https://doi.org/10.1136/jnnp-2017-316007>.
- Demetrios, M. et al. (2013) 'Multidisciplinary rehabilitation following botulinum toxin and other focal intramuscular treatment for post-stroke spasticity', *Cochrane Database of Systematic Reviews* [Preprint]. Available at: <https://doi.org/10.1002/14651858.CD009689.pub2>.
- Dignam, J. et al. (2015) 'Intensive Versus Distributed Aphasia Therapy', *Stroke*, 46(8), pp. 2206–2211. Available at: <https://doi.org/10.1161/STROKEAHA.115.009522>.
- Doyle, S. et al. (2010) 'Interventions for sensory impairment in the upper limb after stroke', *Cochrane Database of Systematic Reviews* [Preprint]. Available at: <https://doi.org/10.1002/14651858.CD006331.pub2>.
- Duncan, F., Wu, S. and Mead, G.E. (2012) 'Frequency and natural history of fatigue after stroke: A systematic review of longitudinal studies', *Journal of Psychosomatic Research*, 73(1), pp. 18–27. Available at: <https://doi.org/10.1016/j.jpsychores.2012.04.001>.
- 'Effects of neuromuscular electrical stimulation on arterial hemodynamic properties and body composition in paretic upper extremities of patients with subacute stroke' (no date). Available at: http://biomedj.cgu.edu.tw/pdfs/2014/37/4/images/BiomedJ_2014_37_4_205_117892.pdf.
- Ferro, J.M., Mariano, G. and Madureira, S. (1999) 'Recovery from Aphasia and Neglect', *Cerebrovascular Diseases*, 9(Suppl. 5), pp. 6–22. Available at: <https://doi.org/10.1159/000047571>.
- Frassinetti, F. et al. (2002) 'Long-lasting amelioration of visuospatial neglect by prism adaptation', *Brain*, 125(3), pp. 608–623. Available at: <https://doi.org/10.1093/brain/awf056>.
- Gamble, G.E. et al. (2000) 'Post stroke shoulder pain: more common than previously realized', *European Journal of Pain*, 4(3), pp. 313–315. Available at: <https://doi.org/10.1053/eujp.2000.0192>.
- Gillen, G. and St Bartholomew School of Nursing and Midwifery (2009) *Cognitive and perceptual rehabilitation: optimizing function*. St. Louis, Mo: Mosby/Elsevier.
- Gorgoraptis, N. et al. (2012) 'The effects of the dopamine agonist rotigotine on hemispatial neglect following stroke', *Brain*, 135(8), pp. 2478–2491. Available at: <https://doi.org/10.1093/brain/aws154>.

Green, S., Buchbinder, R. and Hetrick, S.E. (2003) 'Physiotherapy interventions for shoulder pain', Cochrane Database of Systematic Reviews [Preprint]. Available at: <https://doi.org/10.1002/14651858.CD004258>.

Grieve, J.I. (2017) *Neuropsychology for occupational therapists: cognition in occupational performance*. Fourth edition. Edited by L. Maskill and S. Tempest. Hoboken, NJ, USA: Wiley Blackwell.

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), pp. 251–258. Available at: [https://doi.org/10.1016/S0004-9514\(06\)70004-6](https://doi.org/10.1016/S0004-9514(06)70004-6).

Holland, A.L. (1984) *Language disorders in adults: recent advances*. San Diego, Calif: College-Hill Press.

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), pp. 934–943. Available at: <https://doi.org/10.1016/j.apmr.2015.01.013>.

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

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

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

Journal of Rehabilitation Medicine - Abstract - Evaluation of functional outcome measures for the hemiparetic upper limb: A systematic review (no date). Available at: <https://www.medicaljournals.se/jrm/content/abstract/10.2340/16501977-0276>.

Journal of Rehabilitation Medicine - Abstract - The arm studio to intensify the upper limb rehabilitation after stroke: Concept, acceptance, utilization and preliminary clinical results (no date). Available at: <https://medicaljournals.se/jrm/content/abstract/10.2340/16501977-0517>.

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

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). Available at: <https://doi.org/10.1044/jslhr.4003.493>.

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), pp. 554–563. Available at: <https://doi.org/10.1177/1545968313517757>.

- 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), pp. 559–566. Available at: <https://doi.org/10.12968/ijtr.2013.20.11.559>.
- Kitago, T. and Krakauer, J.W. (2013) 'Motor learning principles for neurorehabilitation', in *Neurological Rehabilitation*. Elsevier, pp. 93–103. Available at: <https://doi.org/10.1016/B978-0-444-52901-5.00008-3>.
- 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). Available at: [https://doi.org/10.1044/1092-4388\(2008/018\)](https://doi.org/10.1044/1092-4388(2008/018)).
- 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). Available at: <https://doi.org/10.3390/toxins7041192>.
- Klonoff, P.S. (2010) *Psychotherapy after brain injury: principles and techniques*. New York: The Guilford Press.
- Koiava, N. et al. (2012) 'A "web app" for diagnosing hemianopia', *Journal of Neurology, Neurosurgery & Psychiatry*, 83(12), pp. 1222–1224. Available at: <https://doi.org/10.1136/jnnp-2012-302270>.
- Kuppuswamy, A. et al. (2015) 'Post-stroke fatigue: a deficit in corticomotor excitability?', *Brain*, 138(1), pp. 136–148. Available at: <https://doi.org/10.1093/brain/awu306>.
- Kuppuswamy, A. et al. (2016) 'Limb Heaviness', *Neurorehabilitation and Neural Repair*, 30(4), pp. 360–362. Available at: <https://doi.org/10.1177/1545968315597071>.
- Kuppuswamy, A. (2017) 'The fatigue conundrum', *Brain*, 140(8), pp. 2240–2245. Available at: <https://doi.org/10.1093/brain/awx153>.
- 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), pp. 297–302. Available at: <https://doi.org/10.1053/apmr.2003.50031>.
- Lannin, N.A. et al. (2007) 'Effects of Splinting on Wrist Contracture After Stroke: A Randomized Controlled Trial', *Stroke*, 38(1), pp. 111–116. Available at: <https://doi.org/10.1161/01.STR.0000251722.77088.12>.
- 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), pp. 1431–1444. Available at: <https://doi.org/10.1177/0269215517700696>.
- 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), pp. 111–120. Available at: <https://doi.org/10.1177/0269215511416383>.

Manually add a new bookmark | University College London (no date). Available at: <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>.

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). Available at: <https://doi.org/10.1371/journal.pone.0160381>.

Mateer, C.A., Sira, C.S. and O'Connell, M.E. (2005) 'Putting Humpty Dumpty Together Again', *Journal of Head Trauma Rehabilitation*, 20(1), pp. 62–75. Available at: <https://doi.org/10.1097/00001199-200501000-00007>.

McDonald, S., Togher, L. and Code, C. (2014) *Social and communication disorders following traumatic brain injury*. Second edition. London: Psychology Press, Taylor & Francis Group.

McMillan, T.M. and Wood, R.L. (eds) (2017) *Neurobehavioural disability and social handicap following traumatic brain injury*. Second edition. London: Routledge.

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

Murphy, T.H. and Corbett, D. (2009) 'Plasticity during stroke recovery: from synapse to behaviour', *Nature Reviews Neuroscience*, 10(12), pp. 861–872. Available at: <https://doi.org/10.1038/nrn2735>.

Muscle strength and muscle training after stroke (no date). Available at: <https://www.medicaljournals.se/jrm/content/abstract/10.2340/16501977-0018>.

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

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

PA Mortenson (2003) 'The use of casts in the management of joint mobility and hypertonia following brain injury in adults: a systematic review'. Available at: <https://www.ncbi.nlm.nih.gov/pubmedhealth/PMH0020153/>.

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), pp. 1904–1911. Available at: <https://doi.org/10.1161/STROKEAHA.112.650671>.

Pollock, A. et al. (2014) 'Interventions for improving upper limb function after stroke', *Cochrane Database of Systematic Reviews* [Preprint]. Available at:

<https://doi.org/10.1002/14651858.CD010820.pub2>.

Quality Assurance Standards for physiotherapy service delivery | The Chartered Society of Physiotherapy (no date). Available at:
<http://www.csp.org.uk/publications/quality-assurance-standards>.

'Rehabilitation of cognitive impairment post stroke' (no date). Available at:
http://www.ebrsr.com/sites/default/files/Chapter%205_Cognitive.pdf.

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

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

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

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

Steven R Zeiler (2013) 'The interaction between training and plasticity in the post-stroke brain', *Current opinion in neurology*, 26(6). Available at:
<https://doi.org/10.1097/WCO.0000000000000025>.

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). Available at: <https://doi.org/10.4103/1947-2714.179933>.

The national service framework for long term conditions (no date). Available at:
<https://www.gov.uk/government/publications/quality-standards-for-supporting-people-with-long-term-conditions>.

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), pp. 436–452. Available at: <https://doi.org/10.1017/S1355617715001344>.
Use of an integrated care pathway: a third round audit of the management of shoulder pain in neurological conditions (no date). Available at:
<https://medicaljournals.se/jrm/content/abstract/10.1080/16501970310012446>.

Vafadar, A.K., Côté, J.N. and Archambault, P.S. (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, pp. 1–14. Available at: <https://doi.org/10.1155/2015/729768>.

Van Heugten, C.M., Walton, L. and Hentschel, U. (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), pp. 694–704. Available at: <https://doi.org/10.1177/0269215514553012>.

Varley, R. et al. (2016) 'Self-Administered Computer Therapy for Apraxia of Speech', *Stroke* [Preprint]. Available at: <https://doi.org/10.1161/STROKEAHA.115.011939>.

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

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

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

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

Ylvisaker, M. and Feeney, T. (2000a) 'Reconstruction of Identity After Brain Injury', *Brain Impairment*, 1(01), pp. 12–28. Available at: <https://doi.org/10.1375/brim.1.1.12>.

Ylvisaker, M. and Feeney, T. (2000b) 'Reflections on Dobermanns, poodles, and social rehabilitation for difficult-to-serve individuals with traumatic brain injury', *Aphasiology*, 14(4), pp. 407–431. Available at: <https://doi.org/10.1080/026870300401432>.