CLNEG058: Neurorehabilitation

View Online

1.

Murphy TH, Corbett D. Plasticity during stroke recovery: from synapse to behaviour. Nature Reviews Neuroscience. 2009 Dec;10(12):861–72.

2.

Ward NS. Restoring brain function after stroke — bridging the gap between animals and humans. Nature Reviews Neurology. 2017 Apr;13(4):244–55.

3.

Reinkensmeyer DJ, Burdet E, Casadio M, Krakauer JW, Kwakkel G, Lang CE, et al. Computational neurorehabilitation: modeling plasticity and learning to predict recovery. Journal of NeuroEngineering and Rehabilitation. 2016 Dec;13(1).

4.

Steven R Zeiler. The interaction between training and plasticity in the post-stroke brain. Current opinion in neurology [Internet]. 2013;26(6). Available from: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4012223/

5.

Kitago T, Krakauer JW. Motor learning principles for neurorehabilitation. In: Neurological Rehabilitation [Internet]. Elsevier; 2013. p. 93–103. Available from: http://linkinghub.elsevier.com/retrieve/pii/B9780444529015000083

6.

Carmichael ST. Brain Excitability in Stroke. Archives of Neurology. 2012 Feb 1;69(2).

7.

Ward NS. Does neuroimaging help to deliver better recovery of movement after stroke? Current Opinion in Neurology. 2015 Aug;28(4):323–9.

8.

Archy O. de Berker. Predicting the behavioral impact of transcranial direct current stimulation: issues and limitations. Frontiers in Human Neuroscience [Internet]. 2013;7. Available from: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3790257/

9.

Bhogal SK, Teasell R, Speechley M, Albert ML. Intensity of Aphasia Therapy, Impact on Recovery * Aphasia Therapy Works! Stroke. 2003 Apr 1;34(4):987–93.

10.

Brady MC, Kelly H, Godwin J, Enderby P, Campbell P. Speech and language therapy for aphasia following stroke. Cochrane Database of Systematic Reviews. 2016 Jun 1;

11.

Breitenstein C, Grewe T, Flöel A, Ziegler W, Springer L, Martus P, et al. 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. 2017 Apr;389(10078):1528–38.

12.

Dignam J, Copland D, McKinnon E, Burfein P, O'Brien K, Farrell A, et al. Intensive Versus Distributed Aphasia Therapy. Stroke. 2015 Aug;46(8):2206–11.

13.

Berthier ML. Cognitive enhancing drugs in aphasia: A vote for hope. Aphasiology. 2014

Feb;28(2):128–32.

14.

Bhogal SK, Teasell R, Speechley M, Albert ML. Intensity of Aphasia Therapy, Impact on Recovery * Aphasia Therapy Works! Stroke. 2003 Apr 1;34(4):987–93.

15.

Brady MC, Kelly H, Godwin J, Enderby P, Campbell P. Speech and language therapy for aphasia following stroke. Cochrane Database of Systematic Reviews. 2016 Jun 1;

16.

Klonoff PS. Psychotherapy after brain injury: principles and techniques. New York: The Guilford Press; 2010.

17.

Quality Assurance Standards for physiotherapy service delivery | The Chartered Society of Physiotherapy [Internet]. Available from: http://www.csp.org.uk/publications/quality-assurance-standards

18.

Code of ethics and professional conduct [Internet]. Available from: https://www.rcot.co.uk/sites/default/files/CODE-OF-ETHICS-2015_0.pdf

19.

James SEF M. Contractures in orthopaedic and neurological conditions: a review of causes and treatment. Disability and Rehabilitation. 2001 Jan;23(13):549–58.

20.

Harvey L, de Jong I, Goehl G, Marwedel S. 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. 2006;52(4):251–8.

21.

Kilbride C, Hoffman K, Baird T, Tuckey J, Marston L, Souza LD. Contemporary splinting practice in the UK for adults with neurological dysfunction: A cross-sectional survey. International Journal of Therapy and Rehabilitation. 2013 Nov;20(11):559–66.

22.

Lannin NA, Horsley SA, Herbert R, McCluskey A, Cusick A. Splinting the hand in the functional position after brain impairment: A randomized, controlled trial. Archives of Physical Medicine and Rehabilitation. 2003 Feb;84(2):297–302.

23.

Lannin NA, Cusick A, McCluskey A, Herbert RD. Effects of Splinting on Wrist Contracture After Stroke: A Randomized Controlled Trial. Stroke. 2007 Jan 1;38(1):111–6.

24.

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

25.

Moorhouse P, Rockwood K. Vascular cognitive impairment: current concepts and clinical developments. The Lancet Neurology. 2008 Mar;7(3):246–55.

26.

Rehabilitation of cognitive impairment post stroke [Internet]. Available from: http://www.ebrsr.com/sites/default/files/Chapter%205_Cognitive.pdf

27.

Chaudhuri A, Behan PO. Fatigue in neurological disorders. The Lancet. 2004 Mar;363(9413):978–88.

28.

Duncan F, Wu S, Mead GE. Frequency and natural history of fatigue after stroke: A systematic review of longitudinal studies. Journal of Psychosomatic Research. 2012 Jul;73(1):18–27.

29.

De Doncker W, Dantzer R, Ormstad H, Kuppuswamy A. Mechanisms of poststroke fatigue. Journal of Neurology, Neurosurgery & Psychiatry. 2017 Sep 22;

30.

Kuppuswamy A. The fatigue conundrum. Brain. 2017 Aug 1;140(8):2240–5.

31.

Kuppuswamy A, Clark EV, Turner IF, Rothwell JC, Ward NS. Post-stroke fatigue: a deficit in corticomotor excitability? Brain. 2015 Jan;138(1):136–48.

32.

Kuppuswamy A, Clark E, Rothwell J, Ward NS. Limb Heaviness. Neurorehabilitation and Neural Repair. 2016 May;30(4):360–2.

33.

Clinical Guidelines for Stroke Management 2017 [Internet]. Available from: https://informme.org.au/Guidelines/Clinical-Guidelines-for-Stroke-Management-2017

34.

Howlett OA, Lannin NA, Ada L, McKinstry C. Functional Electrical Stimulation Improves Activity After Stroke: A Systematic Review With Meta-Analysis. Archives of Physical Medicine and Rehabilitation. 2015 May;96(5):934–43.

35.

Lee JH, Baker LL, Johnson RE, Tilson JK. Effectiveness of neuromuscular electrical stimulation for management of shoulder subluxation post-stroke: a systematic review with meta-analysis. Clinical Rehabilitation. 2017 Nov;31(11):1431–44.

36.

Nascimento LR, Michaelsen SM, Ada L, Polese JC, Teixeira-Salmela LF. Cyclical electrical stimulation increases strength and improves activity after stroke: a systematic review. Journal of Physiotherapy. 2014 Mar;60(1):22–30.

37.

Pollock A, Farmer SE, Brady MC, Langhorne P, Mead GE, Mehrholz J, et al. Interventions for improving upper limb function after stroke. Cochrane Database of Systematic Reviews. 2014 Nov 12;

38.

Rushton DN. Functional Electrical Stimulation and rehabilitation—an hypothesis. Medical Engineering & Physics. 2003 Jan;25(1):75–8.

39.

Stein C, Fritsch CG, Robinson C, Sbruzzi G, Plentz RDM. Effects of Electrical Stimulation in Spastic Muscles After Stroke. Stroke. 2015 Aug;46(8):2197–205.

40.

Vafadar AK, Côté JN, Archambault PS. 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.

41.

Veerbeek JM, van Wegen E, van Peppen R, van der Wees PJ, Hendriks E, Rietberg M, et al. What Is the Evidence for Physical Therapy Poststroke? A Systematic Review and Meta-Analysis. PLoS ONE. 2014 Feb 4;9(2).

42.

The national service framework for long term conditions [Internet]. Available from: https://www.gov.uk/government/publications/quality-standards-for-supporting-people-with-long-term-conditions

43.

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

44.

Ylvisaker M, Feeney T. Reflections on Dobermanns, poodles, and social rehabilitation for difficult-to-serve individuals with traumatic brain injury. Aphasiology. 2000 Apr;14(4):407–31.

45.

Ylvisaker M, Feeney T. Reconstruction of Identity After Brain Injury. Brain Impairment. 2000 May;1(01):12–28.

46.

C. Katz, Brooke Hallowell, Chris Co R. A multinational comparison of aphasia management practices. International Journal of Language & Communication Disorders. 2000 Jan;35(2):303–14.

47.

Holland AL. Language disorders in adults: recent advances. San Diego, Calif: College-Hill Press; 1984.

48.

Kleim JA, Jones TA. Principles of Experience-Dependent Neural Plasticity: Implications for Rehabilitation After Brain Damage. Journal of Speech Language and Hearing Research. 2008 Feb 1;51(1).

49.

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

50.

Liao W wen, Wu C yi, Hsieh Y wei, Lin K chung, Chang W ying. 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. 2012 Feb;26(2):111–20.

51.

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

52.

Baker K, Cano SJ, Playford ED. Outcome Measurement in Stroke: A Scale Selection Strategy. Stroke. 2011 Jun 1;42(6):1787–94.

53.

Buchbinder R, Green S, Youd JM, Johnston RV, Cumpston M. Arthrographic distension for adhesive capsulitis (frozen shoulder). Cochrane Database of Systematic Reviews. 2008 Jan 23;

54.

Subhasish Chatterjee. The California Tri-pull Taping Method in the Treatment of Shoulder Subluxation After Stroke: A Randomized Clinical Trial. North American Journal of Medical Sciences [Internet]. 2016;8(4). Available from: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4866473/

55.

Chae J, Mascarenhas D, Yu DT, Kirsteins A, Elovic EP, Flanagan SR, et al. Poststroke Shoulder Pain: Its Relationship to Motor Impairment, Activity Limitation, and Quality of Life. Archives of Physical Medicine and Rehabilitation. 2007 Mar;88(3):298–301.

56.

Gamble GE, Barberan E, Bowsher D, Tyrrell PJ, Jones AKP. Post stroke shoulder pain: more common than previously realized. European Journal of Pain. 2000 Sep;4(3):313–5.

57.

Green S, Buchbinder R, Hetrick SE. Physiotherapy interventions for shoulder pain. Cochrane Database of Systematic Reviews. 2003 Apr 22;

58.

Effects of neuromuscular electrical stimulation on arterial hemodynamic properties and body composition in paretic upper extremities of patients with subacute stroke [Internet]. Available from: http://biomedj.cgu.edu.tw/pdfs/2014/37/4/images/BiomedJ_2014_37_4_205_117892.pdf

59.

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

60.

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

61.

Mateer CA, Sira CS, O'Connell ME. Putting Humpty Dumpty Together Again. Journal of Head Trauma Rehabilitation. 2005 Jan;20(1):62–75.

62.

Tornås S, Løvstad M, Solbakk AK, Evans J, Endestad T, Hol PK, et al. 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. 2016 Apr;22(04):436–52.

63.

McMillan TM, Wood RL, editors. Neurobehavioural disability and social handicap following traumatic brain injury. Second edition. London: Routledge; 2017.

64.

Winegardner J, Keohane C, Prince L, Neumann D. Perspective training to treat anger problems after brain injury: Two case studies. NeuroRehabilitation. 2016 Jul 6;39(1):153–62.

65.

Cipolotti L, Warrington EK. Neuropsychological assessment. Journal of Neurology, Neurosurgery & Psychiatry. 1995 Jun 1;58(6):655–64.

66.

Sachdev PS, Lipnicki DM, Crawford JD, Wen W, Brodaty H. Progression of cognitive impairment in stroke/TIA patients over 3 years. Journal of Neurology, Neurosurgery & Psychiatry. 2014 Dec;85(12):1324–30.

67.

Nys GMS, van Zandvoort MJE, de Kort PLM, van der Worp HB, Jansen BPW, Algra A, et al. The prognostic value of domain-specific cognitive abilities in acute first-ever stroke. Neurology. 2005 Mar 8;64(5):821–7.

68.

Hurford R, Charidimou A, Fox Z, Cipolotti L, Werring DJ. Domain-specific trends in cognitive impairment after acute ischaemic stroke. Journal of Neurology. 2013 Jan;260(1):237–41.

69.

Van Heugten CM, Walton L, Hentschel U. 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. 2015 Jul;29(7):694–704.

70.

Manually add a new bookmark | University College London [Internet]. Available from: 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

71.

Chan E, Altendorff S, Healy C, Werring DJ, Cipolotti L. The test accuracy of the Montreal Cognitive Assessment (MoCA) by stroke lateralisation. Journal of the Neurological Sciences. 2017 Feb;373:100–4.

72.

Chan E, Khan S, Oliver R, Gill SK, Werring DJ, Cipolotti L. Underestimation of cognitive impairments by the Montreal Cognitive Assessment (MoCA) in an acute stroke unit population. Journal of the Neurological Sciences. 2014 Aug;343(1–2):176–9.

73.

Craig P, Dieppe P, Macintyre S, Michie S, Nazareth I, Petticrew M. Developing and evaluating complex interventions: the new Medical Research Council guidance. BMJ. 2008 Sep 29;

74.

Katz RC, Wertz RT. The Efficacy of Computer-Provided Reading Treatment for Chronic Aphasic Adults. Journal of Speech Language and Hearing Research. 1997 Jun 1;40(3).

75.

Marshall J, Booth T, Devane N, Galliers J, Greenwood H, Hilari K, et al. Evaluating the Benefits of Aphasia Intervention Delivered in Virtual Reality: Results of a Quasi-Randomised Study. PLOS ONE. 2016 Aug 12;11(8).

76.

Palmer R, Enderby P, Cooper C, Latimer N, Julious S, Paterson G, et al. Computer Therapy Compared With Usual Care for People With Long-Standing Aphasia Poststroke: A Pilot Randomized Controlled Trial. Stroke. 2012 Jul 1;43(7):1904–11.

77.

Varley R, Cowell PE, Dyson L, Inglis L, Roper A, Whiteside SP. Self-Administered Computer Therapy for Apraxia of Speech. Stroke. 2016 Jan 21;

78.

Bowen A, Hazelton C, Pollock A, Lincoln NB. Cognitive rehabilitation for spatial neglect following stroke. Cochrane Database of Systematic Reviews. 2013 Jul 1;

79.

Corbetta M, Kincade MJ, Lewis C, Snyder AZ, Sapir A. Neural basis and recovery of spatial attention deficits in spatial neglect. Nature Neuroscience. 2005 Nov;8(11):1603–10.

80.

Ferro JM, Mariano G, Madureira S. Recovery from Aphasia and Neglect. Cerebrovascular Diseases. 1999;9(Suppl. 5):6–22.

81.

Frassinetti F, Angeli V, Meneghello F, Avanzi S, Ladavas E. Long-lasting amelioration of visuospatial neglect by prism adaptation. Brain. 2002 Mar 1;125(3):608–23.

82.

Gorgoraptis N, Mah YH, Machner B, Singh-Curry V, Malhotra P, Hadji-Michael M, et al. The effects of the dopamine agonist rotigotine on hemispatial neglect following stroke. Brain. 2012 Aug;135(8):2478–91.

83.

Kaplan RF, Verfaellie M, Meadows ME, Caplan LR, Pessin MS, DeWitt LD. Changing Attentional Demands in Left Hemispatial Neglect. Archives of Neurology. 1991 Dec 1;48(12):1263–6.

84.

Kerkhoff G, Bucher L, Brasse M, Leonhart E, Holzgraefe M, Völzke V, et al. Smooth Pursuit "Bedside" Training Reduces Disability and Unawareness During the Activities of Daily Living in Neglect. Neurorehabilitation and Neural Repair. 2014 Jul;28(6):554–63.

85.

Koiava N, Ong YH, Brown MM, Acheson J, Plant GT, Leff AP. A 'web app' for diagnosing hemianopia. Journal of Neurology, Neurosurgery & Psychiatry. 2012 Dec;83(12):1222–4.

86.

Grieve JI. Neuropsychology for occupational therapists: cognition in occupational performance. Fourth edition. Maskill L, Tempest S, editors. Hoboken, NJ, USA: Wiley Blackwell; 2017.

87.

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

88.

Amy J. Bastian. Understanding sensorimotor adaptation and learning for rehabilitation. Current opinion in neurology [Internet]. 2008;21(6). Available from: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2954436/

89.

Bernhardt J, Thuy MN, Collier JM, Legg LA. Very early versus delayed mobilisation after stroke. Cochrane Database of Systematic Reviews. 2009 Jan 21;

90.

Muscle strength and muscle training after stroke [Internet]. Available from: https://www.medicaljournals.se/jrm/content/abstract/10.2340/16501977-0018

91.

Carey L, Macdonell R, Matyas TA. SENSe: Study of the Effectiveness of Neurorehabilitation on Sensation. Neurorehabilitation and Neural Repair. 2011 May;25(4):304–13.

92.

Connell L, Tyson S. Measures of sensation in neurological conditions: a systematic review. Clinical Rehabilitation. 2012 Jan;26(1):68–80.

93.

Connell LA, McMahon NE, Adams N. Stroke survivors' experiences of somatosensory impairment after stroke: An Interpretative Phenomenological Analysis. Physiotherapy. 2014 Jun;100(2):150–5.

94.

Demetrios M, Khan F, Turner-Stokes L, Brand C, McSweeney S. Multidisciplinary rehabilitation following botulinum toxin and other focal intramuscular treatment for post-stroke spasticity. Cochrane Database of Systematic Reviews. 2013 Jun 5;

95.

Doyle S, Bennett S, Fasoli SE, McKenna KT. Interventions for sensory impairment in the upper limb after stroke. Cochrane Database of Systematic Reviews. 2010 Jun 16;

96.

Klemens Fheodoroff. 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 [Internet]. 2015;7(4). Available from: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4417963/