

# PY5619 - Cognitive Rehabilitation and Plasticity

Dr Annie Chan

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1.  
Kandel ER. Principles of neural science, 5th ed [Internet]. 5th ed. New York: McGraw-Hill Medical; 2013. Available from:  
<http://lib.myilibrary.com/browse/open.asp?id=396874&entityid=https://idp.brunel.ac.uk/entity>
  
2.  
Ramachandran VS, Blakeslee S. Phantoms in the brain: human nature and the architecture of the mind. London: Fourth Estate; 1999.
  
3.  
Ramachandran VS, Blakeslee S. Phantoms in the brain: probing the mysteries of the human mind. Phantoms in the brain: probing the mysteries of the human mind [Internet]. 1st ed. New York: William Morrow; 1998. p. 39-62. Available from:  
<https://contentstore.cla.co.uk/secure/link?id=ec494f39-3d1e-e911-80cd-005056af4099>
  
4.  
Flor H, Nikolajsen L, Staehelin Jensen T. Phantom limb pain: a case of maladaptive CNS plasticity? Nature Reviews Neuroscience. 2006 Nov;7(11):873-881.
  
5.  
Daniel D. Dilks. Reorganization of Visual Processing in Macular Degeneration Is Not Specific to the "Preferred Retinal Locus". Journal of Neuroscience [Internet]. Society for Neuroscience; 2009;29(9):2768-2773. Available from:  
<http://www.jneurosci.org/content/29/9/2768>

6.

Parton A, Coulthard E, Husain M. Neuropharmacological modulation of cognitive deficits after brain damage. *Current Opinion in Neurology* [Internet]. 2005 Dec;18(6):675–680. Available from: <https://contentstore.cla.co.uk/secure/link?id=b91990bb-db17-e911-80cd-005056af4099>

7.

An KY, Monette MCE. Cognitive profiles of older adults with a prior traumatic brain injury versus healthy controls: A meta-analysis. *Brain Injury* [Internet]. 2018 Jun 7;32(7):832–842. Available from: <https://contentstore.cla.co.uk/secure/link?id=300a7d02-dc17-e911-80cd-005056af4099>

8.

De Luca R, Calabrò RS, Bramanti P. Cognitive rehabilitation after severe acquired brain injury: current evidence and future directions. *Neuropsychological Rehabilitation*. 2018 Aug 18;28(6):879–898.

9.

Morris T, Terry P, Gordon S. Sport and exercise psychology: international perspectives. *Sport and exercise psychology: international perspectives* [Internet]. Morgantown, W. Va: Fitness Information Technology; 2007. p. 83–93. Available from: <https://contentstore.cla.co.uk/secure/link?id=eaed77b0-1814-e911-80cd-005056af4099>

10.

Lox C, Martin Ginis KA, Petruzzello SJ. *The psychology of exercise: integrating theory and practice*. Fourth edition. London, [England]: Routledge; 2017. Available from: <http://ebookcentral.proquest.com/lib/brunelu/detail.action?docID=4907233>

11.

Basso JC, Suzuki W. The Effects of Acute Exercise on Mood, Cognition, Neurophysiology, and Neurochemical Pathways: A Review. *Brain plasticity* [Internet]. IOS Press; 2017;2(2):127–152. Available from: <http://europepmc.org/articles/PMC5928534>

12.

DE Linden. Neurofeedback and networks of depression. *Dialogues in clinical neuroscience* [Internet]. Les Laboratoires Servier; 2014;16(1):103–112. Available from: <http://europepmc.org/articles/PMC3984886>

13.

C Allman. Ipsilesional anodal tDCS enhances the functional benefits of rehabilitation in patients after stroke. *Science translational medicine* [Internet]. Europe PMC Funders; 2016;8(330):330re1-330re1. Available from: <https://europepmc.org/articles/PMC5388180/>

14.

Liew SL, Santarnecchi E, Buch ER, Cohen LG. Non-invasive brain stimulation in neurorehabilitation: local and distant effects for motor recovery. *Frontiers in Human Neuroscience*. 2014 Jun 27;8.

15.

Mason L, Peters E, Kumari V. Functional connectivity predictors and mechanisms of cognitive behavioural therapies: A systematic review with recommendations. *Australian & New Zealand Journal of Psychiatry*. 2016 Apr;50(4):311–321.

16.

Ramsay IS, MacDonald AW. Brain Correlates of Cognitive Remediation in Schizophrenia: Activation Likelihood Analysis Shows Preliminary Evidence of Neural Target Engagement. *Schizophrenia Bulletin*. 2015 Nov;41(6):1276–1284.

17.

Magalhaes AA, Oliveira L, Pereira MG, Menezes CB. Does Meditation Alter Brain Responses to Negative Stimuli? A Systematic Review. *Frontiers in Human Neuroscience*. 2018 Nov 13;12.

18.

Diedrichsen J, Kornysheva K. Motor skill learning between selection and execution. *Trends in Cognitive Sciences*. 2015 Apr;19(4):227–233.

19.

Thomas C, Baker CI. Teaching an adult brain new tricks: A critical review of evidence for training-dependent structural plasticity in humans. *NeuroImage*. 2013 Jun;73:225–236.

20.

Stojanoski B, Lyons KM, Pearce AAA, Owen AM. Targeted training: Converging evidence against the transferable benefits of online brain training on cognitive function. *Neuropsychologia*. 2018 Aug;117:541–550.

21.

Ettinger U, Kumari V. Effects of sleep deprivation on inhibitory biomarkers of schizophrenia: implications for drug development. *The Lancet Psychiatry* [Internet]. 2015 Nov;2(11):1028–1035. Available from: <https://contentstore.cla.co.uk/secure/link?id=0c0df62f-dc17-e911-80cd-005056af4099>

22.

Tempesta D, Socci V, De Gennaro L, Ferrara M. Sleep and emotional processing. *Sleep Medicine Reviews*. 2018 Aug;40:183–195.

23.

Kim Delbaere, Jacqueline C T Close, Henry Brodaty, Perminder Sachdev and Stephen R Lord. Determinants of disparities between perceived and physiological risk of falling among elderly people: cohort study. *BMJ: British Medical Journal* [Internet]. BMJ; 2010;341(7770). Available from: [https://www.jstor.org/stable/20766217?pq-origsite=summon&seq=1#metadata\\_info\\_tab\\_contents](https://www.jstor.org/stable/20766217?pq-origsite=summon&seq=1#metadata_info_tab_contents)

24.

Ellmers TJ, Paraskevopoulos ITh, Williams AM, Young WR. Recalibrating disparities in perceived and actual balance abilities in older adults: a mixed-methods evaluation of a novel exergaming intervention. *Journal of NeuroEngineering and Rehabilitation*. 2018 Dec;15(1).

25.

Woollacott M, Shumway-Cook A. Attention and the control of posture and gait: a review of an emerging area of research. *Gait & Posture*. 2002 Aug;16(1):1-14.

26.

Yamada M, Higuchi T, Nishiguchi S, Yoshimura K, Kajiwara Y, Aoyama T. Multitarget Stepping Program in Combination with a Standardized Multicomponent Exercise Program Can Prevent Falls in Community-Dwelling Older Adults: A Randomized, Controlled Trial. *Journal of the American Geriatrics Society*. 2013 Oct;61(10):1669-1675.