

ASNR Journal Search

A selection of recent papers in the area of neurorehabilitation, not meant to be comprehensive, and not including the contents of *Neurorehabilitation and Neural Repair*. If you have suggestions for the next issue, please e-mail them to pnarayanan@som.umaryland.edu. Thanks!

September 16 – October 15, 2009

- 1.** Quartarone A, Rizzo V, Terranova C, Morgante F, Schneider S, Ibrahim N, Girlanda P, Bhatia KP, Rothwell JC (2009) Abnormal sensorimotor plasticity in organic but not in psychogenic dystonia. *Brain*. 2009 Oct;132(Pt 10):2871-7. Epub 2009 Aug 18
<http://brain.oxfordjournals.org/cgi/content/short/132/10/2871>
- 2.** Tang WK, Chen YK, Lu JY, Mok VC, Xiang YT, Ungvari GS, Ahuja AT, Wong KS (2009) Microbleeds and post-stroke emotional lability. *J Neurol Neurosurg Psychiatry*. 2009 Oct;80(10):1082-6. Epub 2009 Jun 18.
<http://jnnp.bmj.com/cgi/content/short/80/10/1082?rss=1>
- 3.** Cattaneo L, Cucurachi L, Pavesi G (2009) Neurological picture. Isolated toe paralysis caused by a small cortical infarction. *J Neurol Neurosurg Psychiatry*. 2009 Oct;80(10):1142.
<http://jnnp.bmj.com/cgi/content/extract/80/10/1142>
- 4.** Sturt RN, Holland AE, New PW (2009) Walking ability at discharge from inpatient rehabilitation in a cohort of non-traumatic spinal cord injury patients. *Spinal Cord*. 2009 Oct;47(10):763-8. Epub 2009 Apr 14.
<http://www.nature.com/sc/journal/v47/n10/abs/sc200936a.html>
- 5.** Carlstedt T, Hultgren T, Nyman T, Hansson T (2009) Cortical activity and hand function restoration in a patient after spinal cord surgery. *Nat Rev Neurol*. 2009 Oct;5(10):571-4.
<http://www.nature.com/nrneurol/journal/v5/n10/abs/nrneurol.2009.137.html>
- 6.** Jones N (2009) Spinal cord injury: Plasticity provides an opportunity for rehabilitation. *Nature Reviews Neurology* **5**, 519 (October 2009) | doi:10.1038/nrneurol.2009.140
<http://www.nature.com/nrneurol/journal/v5/n10/full/nrneurol.2009.140.html>
- 7.** Warnecke T, Ritter MA, Kroger B, Oelenberg S, Teismann I, Heuschmann PU, Ringelstein EB, Nabavi DG, Dziewas R (2009) Fiberoptic endoscopic Dysphagia severity scale predicts outcome after acute stroke. *Cerebrovasc Dis*. 2009;28(3):283-9. Epub 2009 Jul 16.
<http://content.karger.com/ProdukteDB/produkte.asp?doi=10.1159/000228711>
- 8.** Wu B, Ren X (2009) Promoting axonal myelination for improving neurological recovery in spinal cord injury. *J Neurotrauma*. 2009 Oct;26(10):1847-56.
<http://www.liebertonline.com/doi/abs/10.1089/neu.2008.0551>

- 9.** Carlson KF, Wilt TJ, Taylor BC, Goldish GD, Niewoehner CB, Shamliyan TA, Kane RL (2009) Effect of exercise on disorders of carbohydrate and lipid metabolism in adults with traumatic spinal cord injury: systematic review of the evidence. *J Spinal Cord Med.* 2009;32(4):361-78.
<http://www.ncbi.nlm.nih.gov/pubmed/19777857>
- 10.** McVeigh SA, Hitzig SL, Craven BC (2009) Influence of sport participation on community integration and quality of life: a comparison between sport participants and non-sport participants with spinal cord injury. *J Spinal Cord Med.* 2009;32(2):115-24.
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2678282/>
- 11.** Winchester P, Smith P, Foreman N, Mosby JM, Pacheco F, Querry R, Tansey K (2009) A prediction model for determining over ground walking speed after locomotor training in persons with motor incomplete spinal cord injury. *J Spinal Cord Med.* 2009;32(1):63-71.
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2647503/?report=abstract>
- 12.** Benarroch EE (2009) Serotonergic modulation of basal ganglia circuits: complexity and therapeutic opportunities. *Neurology.* 2009 Sep 15;73(11):880-6.
<http://www.neurology.org/cgi/content/citation/73/11/880>
- 13.** Fenrich KK, Rose PK (2009) Spinal interneuron axons spontaneously regenerate after spinal cord injury in the adult feline. *J Neurosci.* 2009 Sep 30;29(39):12145-58.
<http://www.jneurosci.org/cgi/content/short/29/39/12145>
- 14.** Ghosh A, Sydekum E, Haiss F, Peduzzi S, Zörner B, Schneider R, Baltes C, Rudin M, Weber B, Schwab ME (2009) Functional and anatomical reorganization of the sensory-motor cortex after incomplete spinal cord injury in adult rats. *J Neurosci.* 2009 Sep 30;29(39):12210-9.
<http://www.jneurosci.org/cgi/content/abstract/29/39/12210>
- 15.** Lang CE, Macdonald JR, Reisman DS, Boyd L, Jacobson Kimberley T, Schindler-Ivens SM, Hornby TG, Ross SA, Scheets PL (2009) Observation of amounts of movement practice provided during stroke rehabilitation. *Arch Phys Med Rehabil.* 2009 Oct;90(10):1692-8.
[http://www.archives-pmr.org/article/S0003-9993\(09\)00353-0/abstract](http://www.archives-pmr.org/article/S0003-9993(09)00353-0/abstract)
- 16.** Gary KW, Arango-Lasprilla JC, Ketchum JM, Kreutzer JS, Copolillo A, Novack TA, Jha A (2009) Racial differences in employment outcome after traumatic brain injury at 1, 2, and 5 years postinjury. *Arch Phys Med Rehabil.* 2009 Oct;90(10):1699-707.
[http://www.archives-pmr.org/article/S0003-9993\(09\)00379-7/abstract](http://www.archives-pmr.org/article/S0003-9993(09)00379-7/abstract)

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- 18.** Lin MR, Hwang HF, Yu WY, Chen CY (2009) A prospective study of factors influencing return to work after traumatic spinal cord injury in Taiwan. *Arch Phys Med Rehabil.* 2009 Oct;90(10):1716-22. [http://www.archives-pmr.org/article/S0003-9993\(09\)00358-X/abstract](http://www.archives-pmr.org/article/S0003-9993(09)00358-X/abstract)
- 19.** Sherer M, Yablon SA, Nakase-Richardson R (2009) Patterns of recovery of posttraumatic confusional state in neurorehabilitation admissions after traumatic brain injury. *Arch Phys Med Rehabil.* 2009 Oct;90(10):1749-54. [http://www.archives-pmr.org/article/S0003-9993\(09\)00411-0/abstract](http://www.archives-pmr.org/article/S0003-9993(09)00411-0/abstract)
- 20.** Kang BS, Shin HI, Bang MS (2009) Effect of repetitive transcranial magnetic stimulation over the hand motor cortical area on central pain after spinal cord injury. *Arch Phys Med Rehabil.* 2009 Oct;90(10):1766-71. [http://www.archives-pmr.org/article/S0003-9993\(09\)00372-4/abstract](http://www.archives-pmr.org/article/S0003-9993(09)00372-4/abstract)
- 21.** Poole JL, Sadek J, Haaland KY (2009) Ipsilateral deficits in 1-handed shoe tying after left or right hemisphere stroke. *Arch Phys Med Rehabil.* 2009 Oct;90(10):1800-5. [http://www.archives-pmr.org/article/S0003-9993\(09\)00404-3/abstract](http://www.archives-pmr.org/article/S0003-9993(09)00404-3/abstract)
- 22.** Sangani SG, Starsky AJ, McGuire JR, Schmit BD (2009) Multijoint reflex responses to constant-velocity volitional movements of the stroke elbow. *J Neurophysiol.* 2009 Sep;102(3):1398-410. Epub 2009 Jun 24. <http://jn.physiology.org/cgi/content/abstract/102/3/1398>
- 23.** Hoffmann G, Kamper DG, Kahn JH, Rymer WZ, Schmit BD (2009) Modulation of stretch reflexes of the finger flexors by sensory feedback from the proximal upper limb poststroke. *J Neurophysiol.* 2009 Sep;102(3):1420-9. Epub 2009 Jul 1. <http://jn.physiology.org/cgi/content/abstract/102/3/1420>
- 24.** Mottram CJ, Suresh NL, Heckman CJ, Gorassini MA, Rymer WZ (2009) Origins of abnormal excitability in biceps brachii motoneurons of spastic-paretic stroke survivors. *J Neurophysiol.* 2009 Oct;102(4):2026-38. Epub 2009 Jul 8. <http://jn.physiology.org/cgi/content/abstract/102/4/2026>
- 25.** Tan AM, Choi JS, Waxman SG, Hains BC (2009) Dendritic spine remodeling after spinal cord injury alters neuronal signal processing. *J Neurophysiol.* 2009 Oct;102(4):2396-409. Epub 2009 Aug 19. <http://jn.physiology.org/cgi/content/abstract/102/4/2396>
- 26.** Rempe DA, Takano T, Nedergaard M (2009) TR(I)Pping towards treatment for ischemia. *Nat Neurosci.* 2009 Oct;12(10):1215-6.

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- 27.** Sun HS, Jackson MF, Martin LJ, Jansen K, Teves L, Cui H, Kiyonaka S, Mori Y, Jones M, Forder JP, Golde TE, Orser BA, Macdonald JF, Tymianski M (2009) Suppression of hippocampal TRPM7 protein prevents delayed neuronal death in brain ischemia. *Nat Neurosci.* 2009 Oct;12(10):1300-7. Epub 2009 Sep 6.
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- 28.** Courtine G, Gerasimenko Y, van den Brand R, Yew A, Musienko P, Zhong H, Song B, Ao Y, Ichiyama RM, Lavrov I, Roy RR, Sofroniew MV, Edgerton VR (2009) Transformation of nonfunctional spinal circuits into functional states after the loss of brain input. *Nat Neurosci.* 2009 Oct;12(10):1333-42. Epub 2009 Sep 20.
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- 29.** Kim JS, Han YS (2009) Medial medullary infarction: clinical, imaging, and outcome study in 86 consecutive patients. *Stroke.* 2009 Oct;40(10):3221-5. Epub 2009 Jul 23.
<http://stroke.ahajournals.org/cgi/content/short/40/10/3221>
- 30.** Barker-Collo SL, Feigin VL, Lawes CM, Parag V, Senior H, Rodgers A (2009) Reducing attention deficits after stroke using attention process training: a randomized controlled trial. *Stroke.* 2009 Oct;40(10):3293-8. Epub 2009 Jul 23.
<http://stroke.ahajournals.org/cgi/content/short/40/10/3293>
- 31.** Govan L, Langhorne P, Weir CJ (2009) Categorizing stroke prognosis using different stroke scales. *Stroke.* 2009 Oct;40(10):3396-9. Epub 2009 Aug 6.
<http://stroke.ahajournals.org/cgi/content/abstract/40/10/3396>