

# 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 [jlush@som.umaryland.edu](mailto:jlush@som.umaryland.edu). Thanks!

George Wittenberg, M.D., Ph.D. Executive Editor, VAMHCS/GRECC, University of Maryland, School of Medicine

Section: Stroke and General Research of Interest  
Section Editor: Lauren Jones-Lush, PhD, University of Maryland, School of Medicine

- 1) Recovery of upper-limb function due to enhanced use-dependent plasticity in chronic stroke patients. <http://www.ncbi.nlm.nih.gov/pubmed/20688810>  
Koganemaru S, Mima T, Thabit MN, Ikkaku T, Shimada K, Kanematsu M, Takahashi K, Fawi G, Takahashi R, Fukuyama H, Domen K. Brain. 2010 Aug 5. [Epub ahead of print]PMID: 20688810
- 2) Reorganization of the primary somatosensory cortex during stroke recovery. <http://www.ncbi.nlm.nih.gov/pubmed/20673646>  
Roiha K, Kirveskari E, Kaste M, Mustanoja S, Mäkelä JP, Salonen O, Tatlisumak T, Forss N. Clin Neurophysiol. 2010 Jul 27. [Epub ahead of print]PMID: 20673646
- 3) Cortical and behavioral adaptations in response to short-term inphase versus antiphase bimanual movement training. <http://www.ncbi.nlm.nih.gov/pubmed/20711566>  
Smith AL, Staines WR. Exp Brain Res. 2010 Aug 14. [Epub ahead of print]PMID: 20711566
- 4) The effect of mild post-stroke exercise on reactive neurogenesis and recovery of somatosensation in aged rats. <http://www.ncbi.nlm.nih.gov/pubmed/20696163>  
Leasure JL, Grider M. Exp Neurol. 2010 Aug 6. [Epub ahead of print]PMID: 20696163
- 5) Long-term changes in cerebellar activation during functional recovery from transient peripheral motor paralysis. <http://www.ncbi.nlm.nih.gov/pubmed/20691681>  
Smit A, van der Geest J, Metselaar M, van der Lugt A, Vanderwerf F, De Zeeuw C. Exp Neurol. 2010 Aug 5. [Epub ahead of print]PMID: 20691681
- 6) Occurrence and Clinical Predictors of Spasticity After Ischemic Stroke. <http://www.ncbi.nlm.nih.gov/pubmed/20705930>  
Urban PP, Wolf T, Uebele M, Marx JJ, Vogt T, Stoeter P, Bauermann T, Weibrich C, Vucurevic GD, Schneider A, Wissel J. Stroke. 2010 Aug 12. [Epub ahead of print]PMID: 20705930
- 7) The Stability of the Blood Oxygenation Level-Dependent Functional MRI Response to Motor Tasks Is Altered in Patients With Chronic Ischemic Stroke. <http://www.ncbi.nlm.nih.gov/pubmed/20705926>  
Mazzetto-Betti KC, Leoni RF, Pontes-Neto OM, Santos AC, Leite JP, Silva AC, de Araujo DB. Stroke. 2010 Aug 12. [Epub ahead of print]PMID: 20705926
- 8) Acupuncture during stroke rehabilitation. <http://www.ncbi.nlm.nih.gov/pubmed/20616324>  
Ernst E, Lee MS. Stroke. 2010 Aug;41(8):e549; author reply e550. Epub 2010 Jul 8. No abstract available. PMID: 20616324
- 9) Preswing knee flexion assistance is coupled with hip abduction in people with stiff-knee gait after stroke. <http://www.ncbi.nlm.nih.gov/pubmed/20576947>  
Sulzer JS, Gordon KE, Dhaher YY, Peshkin MA, Patton JL. Stroke. 2010 Aug;41(8):1709-14. Epub 2010 Jun 24. PMID: 20576947
- 10) Quantification of the effects of transcutaneous electrical nerve stimulation with functional magnetic resonance imaging: a double-blind randomized placebo-controlled study. <http://www.ncbi.nlm.nih.gov/pubmed/20684895>  
Kara M, Ozçakar L, Gökçay D, Özçelik E, Yörübulut M, Güneri S, Kaymak B, Akinci A, Cetin A. Arch Phys Med Rehabil. 2010 Aug;91(8):1160-5. PMID: 20684895

Section: Spinal Cord Injury  
Section Editor: Keith Tansey, MD, PhD, Shepherd Center/Emory  
University/Atlanta VA

- 1) Efficacies of papaverine and sildenafil in the treatment of erectile dysfunction in early-stage paraplegic men.  
<http://www.ncbi.nlm.nih.gov/pubmed/20700057>  
Yildiz N, Gokkaya NK, Koseoglu F, Gokkaya S, Comert D. Int J Rehabil Res. 2010 Aug 7. [Epub ahead of print]
- 2) Incidence of symptomatic autonomic dysreflexia varies according to the bowel and bladder management techniques in patients with spinal cord injury.  
<http://www.ncbi.nlm.nih.gov/pubmed/20697419>  
Furusawa K, Tokuhira A, Sugiyama H, Ikeda A, Tajima F, Genda E, Uchida R, Tominaga T, Tanaka H, Magara A, Sumida M. Spinal Cord. 2010 Aug 10. [Epub ahead of print]
- 3) Chronic spinal cord injury pain: pharmacological and non-pharmacological treatments and treatment effectiveness.  
<http://www.ncbi.nlm.nih.gov/pubmed/20695788>  
Heutink M, Post MW, Wollaars MM, van Asbeck FW. Disabil Rehabil. 2010 Aug 9. [Epub ahead of print]
- 4) The AuSpinal: a test of hand function for people with tetraplegia.  
<http://www.ncbi.nlm.nih.gov/pubmed/20680021>  
Coates SK, Harvey LA, Dunlop SA, Allison GT. Spinal Cord. 2010 Aug 3. [Epub ahead of print]
- 5) Movement rehabilitation after spinal cord injuries: Emerging concepts and future directions.  
<http://www.ncbi.nlm.nih.gov/pubmed/20673791>  
Marsh BC, Astill SL, Utley A, Ichiyama RM. Brain Res Bull. 2010 Jul 27. [Epub ahead of print]
- 6) Stem cells in the treatment of chronic spinal cord injury: evaluation of somatosensitive-evoked potentials in 39 patients.  
<http://www.ncbi.nlm.nih.gov/pubmed/20084074>  
Stokic DS, Curt A. Spinal Cord. 2010 Aug;48(8):649.

Section: Multiple Sclerosis

Section Editor: Victor W Mark, MD, University of Alabama at Birmingham

- 1) Analysis of clinical outcomes according to original treatment groups 16 years after the pivotal IFNB-1b trial.  
Ebers GC, Traboulsee A, Langdon D *et al.* J Neurol Neurosurg Psychiatry 2010; 81:907-12.  
Comment in Scolding JN. Long-term  $\beta$  interferon in MS: safe, but what effect on disability? J Neurol Neurosurg Psychiatry 2010;81:825-826.
- 2) Surrogate endpoints for EDSS worsening in multiple sclerosis: a meta-analytic approach.  
Sormani MP, Bonzano L, Roccatagliata L, Mancardi GL, Uccelli A, Bruzzi P. Neurology 2010; 75:302-9. Comment in Rudick RA, Kappos L. Measuring disability in relapsing-remitting MS. Neurology 2010;75:296-297.
- 3) Real-life walking impairment in multiple sclerosis: preliminary comparison of four methods for processing accelerometry data.  
Sosnoff JJ, Goldman MD, Motl RW. Mult Scler 2010; 16:868-77.
- 4) Randomized clinical trial of balance-based torso weighting for improving upright mobility in people with multiple sclerosis.  
Widener GL, Allen DD, Gibson-Horn C. Neurorehabil Neural Repair 2009; 23:784-91.
- 5) Corpus callosum index and long-term disability in multiple sclerosis patients.  
Yaldizli Ö, Atefy R, Gass A *et al.* J Neurol 2010; 257:1256-64.

Section: Traumatic Brain Injury  
Section Editors: Stuart Yablon, MD, Methodist Rehab Center, Jackson, MS;  
Robert Ruff, MD, PHD, Louis B. Stokes Cleveland Veterans  
Affairs Medical Center

- 1) Diffusion tensor imaging and white matter lesions at the subacute stage in mild traumatic brain injury with persistent neurobehavioral impairment.  
<http://www.ncbi.nlm.nih.gov/pubmed/20669166>  
Messé A, Caplain S, Paradot G, Garrigue D, Mineo JF, Soto Ares G, Ducreux D, Vignaud F, Rozec G, Desal H, Péligrini-Issac M, Montreuil M, Benali H, Lehericy S. Hum Brain Mapp. 2010 Jul 28. [Epub ahead of print] PMID: 20669166
- 2) Are functional deficits in concussed individuals consistent with white matter structural alterations: combined FMRI & DTI study. <http://www.ncbi.nlm.nih.gov/pubmed/20496060>  
Zhang K, Johnson B, Pennell D, Ray W, Sebastianelli W, Slobounov S. Exp Brain Res. 2010 Jul;204(1):57-70. Epub 2010 May 23. PMID: 20496060
- 3) Music therapy for acquired brain injury. <http://www.ncbi.nlm.nih.gov/pubmed/20614449>  
Bradt J, Magee WL, Dileo C, Wheeler BL, McGilloway E. Cochrane Database Syst Rev. 2010 Jul 7;7:CD006787. Review.
- 4) Brain-derived neurotrophic factor in traumatic brain injury, post-traumatic stress disorder, and their comorbid conditions: role in pathogenesis and treatment.  
<http://www.ncbi.nlm.nih.gov/pubmed/20679891>  
Kaplan GB, Vasterling JJ, Vedak PC. Behav Pharmacol. 2010 Jul 31. [Epub ahead of print]
- 5) Correlates of posttraumatic epilepsy 35 years following combat brain injury.  
<http://www.ncbi.nlm.nih.gov/pubmed/20644150>  
Raymont V, Salazar AM, Lipsky R, Goldman D, Tasick G, Grafman J. Neurology. 2010 Jul 20;75(3):224-9.
- 6) A preliminary model for posttraumatic brain injury depression.  
<http://www.ncbi.nlm.nih.gov/pubmed/20599048>  
Malec JF, Brown AW, Moessner AM, Stump TE, Monahan P. Arch Phys Med Rehabil. 2010 Jul;91(7):1087-97. Epub 2010 Jun 29. PMID: 20599048 [PubMed - indexed for MEDLINE]
- 7) Chronic traumatic encephalopathy. <http://www.ncbi.nlm.nih.gov/pubmed/20659723>  
Watanabe T, Elovic E, Zafonte R. PM R. 2010 Jul;2(7):671-5. No abstract available. PMID: 20659723
- 8) Assessment of impulsivity after moderate to severe traumatic brain injury.  
<http://www.ncbi.nlm.nih.gov/pubmed/20635306>  
Rochat L, Beni C, Billieux J, Azouvi P, Annoni JM, Van der Linden M. Neuropsychol Rehabil. 2010 Jul 6:1-20. [Epub ahead of print] PMID: 20635306
- 9) Prevalence, Assessment, and Treatment of Mild Traumatic Brain Injury and Posttraumatic Stress Disorder: A Systematic Review of the Evidence. <http://www.ncbi.nlm.nih.gov/pubmed/20631631>  
Carlson KF, Kehle SM, Meis LA, Greer N, Macdonald R, Rutks I, Sayer NA, Dobscha SK, Wilt TJ. J Head Trauma Rehabil. 2010 Jul 13. [Epub ahead of print] PMID: 20631631
- 10) Regionally Selective Atrophy After Traumatic Axonal Injury.  
<http://www.ncbi.nlm.nih.gov/pubmed/20625067>  
Warner MA, Youn TS, Davis T, Chandra A, Marquez de la Plata C, Moore C, Harper C, Madden CJ, Spence J, McColl R, Devous M, King RD, Diaz-Arrastia R. Arch Neurol. 2010 Jul 30. [Epub ahead of print]
- 11) A review of paroxysmal sympathetic hyperactivity after acquired brain injury.  
Perkes I, Baguley IJ, Nott MT, Menon DK Ann Neurol. 2010 Aug;68(2):126-35.

- 12) The history and evolution of traumatic brain injury rehabilitation in military service members and veterans.  
Cifu DX, Cohen SI, Lew HL, Jaffee M, Sigford B. *Am J Phys Med Rehabil.* 2010 Aug;89(8):688-94.
- 13) Impact of the presence of alcohol at the time of injury on acute and one-year cognitive and functional recovery after traumatic brain injury.  
Schutte C, Hanks R. *Int J Neurosci.* 2010 Aug;120(8):551-6.
- 14) Mild fluid percussion injury in mice produces evolving selective axonal pathology and cognitive deficits relevant to human brain injury.  
Spain A, Daumas S, Lifshitz J, Rhodes J, Andrews PJ, Horsburgh K, Fowler JH. *J Neurotrauma.* 2010 Aug;27(8):1429-38.
- 15) Resting cerebral blood flow alterations in chronic traumatic brain injury: an arterial spin labeling perfusion fMRI study.  
Kim J, Whyte J, Patel S, Avants B, Europa E, Wang J, Slattery J, Gee JC, Coslett HB, Detre JA. *J Neurotrauma.* 2010 Aug;27(8):1399-411.
- 16) Vasopressin amplifies the production of proinflammatory mediators in traumatic brain injury.  
Szmydynger-Chodobska J, Fox LM, Lynch KM, Zink BJ, Chodobski A. *J Neurotrauma.* 2010 Aug;27(8):1449-61.
- 17) BCL2 Genotypes: Functional and Neurobehavioral Outcomes after Severe Traumatic Brain Injury.  
Hoh NZ, Wagner AK, Alexander SA, Clark RB, Beers SR, Okonkwo DO, Ren D, Conley YP. *J Neurotrauma.* 2010 Aug;27(8):1413-27.
- 18) Post-concussion symptom reporting and the "good-old-days" bias following mild traumatic brain injury.  
Lange RT, Iverson GL, Rose A. *Arch Clin Neuropsychol.* 2010 Aug;25(5):442-50.
- 19) Persistent symptoms in mild to moderate traumatic brain injury associated with executive dysfunction.  
Hartikainen KM, Waljas M, Isoviita T, Dastidar P, Liimatainen S, Solbakk AK, Ogawa KH, Soimakallio S, Ylinen A, Ohman J. *J Clin Exp Neuropsychol.* 2010 Aug;32(7):767-74.