

**ESSENTIAL ARTICLES
IN PHYSICAL MEDICINE
& REHABILITATION TRAINING**

2004-2010 Update

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INTRODUCTION

This collection is built upon the foundation of “Essential Articles” compiled by Dr. Gerard Francisco and a group of dedicated PM&R program directors and residents several years ago. The original collection included publications from 1980 to 2003.

Doctor Francisco passed the torch to me and I was fortunate to get help from the core group that created the original document.

We agreed to keep the same intent and criteria:

1. “Essential Articles” are defined as those articles that a PM&R resident should have read or at least be familiar with by completion of training;
2. Only articles from 2004 to the present are included in this iteration, in order to provide an update and keep the list manageable;
3. Original research and review articles are considered;
4. Book chapters and the AAEM mini-monographs are not included.

We hope that learners and educators will use this update together with the original “Essential Articles” collection.

I am indebted to the original authors who again shared their own lists and assisted in assembling the final compilation: Terry Massagli, James Sliwa, Mary Ann Miknevich, Lynn Weiss, Adam Stein, Noel Rao, Viviana Tastard, and Catherine Spires; NYU/Rusk faculty Ira Rashbaum and Jonathan Whiteson; our excellent residents Matt Diamond, JR Rizzo, Anjali Sinha, and Jeff Heckman ; my assistant director Safia Khan for preparing and editing the draft; Gerard Francisco for inspired guidance and practical advice; and my chairman Steven Flanagan for his generous support and encouragement.

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CARDIAC REHABILITATION

Physical activity and exercise recommendations for stroke survivors: An american heart association scientific statement from the council on cardiovascular nursing; the council on nutrition. Gordon NF, Gulanick M, Costa F, Fletcher G, Franklin B, Roth EJ, Shephard T. Physical Activity, and Metabolism; and the Stroke Council. *Circulation*. 2004; 109:2031-2041.

PULMONARY REHABILITATION

American thoracic society/European respiratory society statement on pulmonary rehabilitation. Nici L, Donner C, Wouters E, et al. Am J Respir Crit Care Med 2006; 173: 1390-1413.

Pulmonary rehabilitation: Joint ACCP/ AACVPR evidence-based clinical practice guidelines. Reis AL, Bauldoff GS, Carlin BW, et al. Chest 2007; 131:4S-42S.

Pulmonary rehabilitation for chronic obstructive pulmonary disease. Lacasse Y, Goldstein R, Lasserson TJ, Martin S. Cochrane Database Syst Rev 2006; 4: CD003793-CD003793.

Pulmonary rehabilitation for management of chronic obstructive pulmonary disease. Casaburi R, ZuWallack R. N Eng J Med 2009, 1329-35.

Pulmonary rehabilitation in chronic obstructive pulmonary disease. Troosters T, Casaburi R, Gosselink R, Decramer M. Am J Respir Crit Care Med 2005; 172:19-38.

Effects of pulmonary rehabilitation on dyspnea, quality of life, and healthcare costs in California. California pulmonary rehabilitation collaborative group. J Cardiopulm Rehabil 2004; 24:52-62.

Physical training for interstitial lung disease. Holland A, Hill C. Cochrane Database of Systematic Reviews 2008, Issue 4. Art No: CD006322. DOI: 10. 1002/14651858. CD006322.pub2.

Exercise capacity in chronic obstructive pulmonary disease: mechanisms of limitation. Pepin V, Saey D, Laviolette L, Maltais F. COPD 2007; 4: 195-204.

Skeletal muscles in chronic obstructive pulmonary disease: deconditioning, or myopathy? Wagner PD. Respiralogy 2006; 11:681-686.

Exercise training decrease ventilator requirements and exercise-induced hyperinflation at submaximal intensities in patients with COPD. Porszasz J, Emtner M, Goto S, Somfay A, Whipp BJ, Casaburi R. Chest 2005; 128: 2025-2034.

Self-management education for patients with chronic obstructive pulmonary disease. Effing T, Monninkhof EEM, Van der Valk PP, Zeilhuis GGA, Walters EH, Van der Palen JJ Cochrane Database of Systematic Reviews 2007, Issue 4. Art. No.: CD002990. DOI:0.1002/14651858. CD002990. Pub2.

Economic benefits of self-management education in COPD. Bourbeau J, Collet JP, Schwartzman K, Ducruet T, Nault D, Bradley C. Chest 2006; 130:1704-1711.

Nutritional supplementation for stable chronic obstructive pulmonary disease. Ferreira I, Brooks D, Lacasse Y, Goldstein R, White J. Cochrane Database of Systematic reviews 2005. Issue 2. Art. No.: CD000998. DOI: 10. 1002/14651868. CD000998. pub2.

MUSCULOSKELETAL/ LOW BACK PAIN

Surgical vs nonoperative treatment for lumbar disk herniation. The spine outcomes research trail (SPORT): A randomized trial. Weinstein JN, Tosteson TD, Lurie JD, Tosteson AA, Hanscom B, Skinner J S, Abdu WA, Hilibrand AS, Boden SD, Deyo RA. *JAMA*, Nov 22/29, 2006, Vol- 296. No. 20; 2441-2450.

Surgical versus nonsurgical treatment for lumbar degenerative spondylolisthesis. Weinstein JN, Lurie JD, Tosteson TD, Hanscom B, et al. *NEJM* 2007, Vol 356:2257-2270. No. 22.

The hauge spine intervention prognostic study group. Surgery versus prolonged conservative treatment sciatica. Peul WC, Houwelingen HC, Van den Hourt WB, Brand R, Eekhof JAH, Tans JT, Thomer, R, Koes BW, Leiden. *NEJM* 2007, Vol 356:2245-2256. No. 22. 2007.

Assessment: Use of epidural steroid injections to treat radicular lumbosacral pain. Armon A, Argoff CE, Samuels J, Backonja MM. *Neurology* 2007; 68:723-729.

Addition of choice of complementary therapies to usual care for acute low back pain. Eisenberg DM, Post DE, Davis RB, Connelly MT, Legedza ATR, Hrbek AL, Prosser LA, Buring JE, Inui TS, Cherkin DC. *Spine* 2007 Vol 32, No 2, pp 151-158.

Electromyographic and magnetic resonance imaging to predict Lumbar stenosis, low-back pain, and no back symptoms. Haig AJ, Geisser ME, Tong HC, Yamakawa KSJ, Quint DJ, Hoff JT, Chiodo A, Miner J, Phalke V. *The Journal of Bone and Joint Surgery*. 2007.

Persistent low back pain. Carragee E J. *NEJM* 2005 Vol 352 :1891-1898 No. 18.

Expenditure and health status among adults with back and neck problems. Martin B, Deyo R, Mirza S, Turner JA, Comstock BA, Hollingworth W, Sullivan SD. *JAMA* 2008; 299 (6): 656-664.

Exercise therapy for treatment of non-specific low back pain. Hayden J, Van Tulder MW, Malmivaara A, Koes BW. Cochrane Database of Systematic Reviews 2004, Issue 4. Art No.: CD000335. DOI:10.1002/14651858/CD000335.pub2.

A randomized trial comparing acupuncture, simulated acupuncture, and usual care for chronic low back pain. Cherkin DC, Sherman KJ, Avin AL, Erro JH, Ichikawa L, Barlow WE, Delaney K, Hawkes R, Hamilton L, Pressman A et al. Arch Intern Med. 2009; 169 (9): 858-866.

Randomised controlled trial of physiotherapy compared with advice for low back pain. Frost H, Lamb S, Doll H, Craver PT, Stewart-Brown S. BMJ 2004; 329:708, doi: 10.1136/bmj.38216.868808.7C.

Rehabilitation after lumbar disc surgery: An update cochrane review. Ostelo R, Pena Costa LO, Maher C, De Vet H, van Tulder MW. Spine: Aug 2009- Vol 34- Issue 17- pp 1839- 1848.

Massage for Low Back Pain: An Updated systematic review within the framework of the cochrane back review group. Furlan A, Imamura M, Trish D, Irvin E. Spine 15 July 2009- Vol 34- Issue 16- pp 1669-1684.

PAIN (OTHER THAN LOW BACK PAIN)

Cervical radiculopathy. Carette S, Phil M, Fehlings MG. *New Engl J Med.* 2005; 353: 392-9.

Systemic administration of local anesthetic agents to relieve neuropathic pain. Challapalli V, Tremont-Lukats IW, McNicol ED, Lau J, Carr DB. *Cochrane Database of Systematic Reviews* 2005, Issue 4. Art No.: CD003345.

Collaborative care for chronic pain in primary care: A cluster randomized trial. Dobscha SK, Corson K, Perrin NA. *JAMA.* 2009; 301(12) 1242-1252.

Efficacy and safety of opioid agonists in the treatment of neuropathic pain of nonmalignant origin: systematic review and meta-analysis of randomized controlled Trials. Eisenberg E, McNicol ED, Carr DB. *JAMA.* 2005; 293(24): 3043-3052.

Opioids for chronic noncancer pain: a meta-analysis of effectiveness and side effects. Furlan AD, Sandoval JA, Mailis-Gagnon A, Tunks E. *Can. Med. Assoc. J.* 2006; 174(11):1589-1594.

Management of fibromyalgia syndrome. Goldenberg DL, Burckhardt C, Crofford L. *JAMA.* 2004; 292(19):2388-2395.

Non-antiepileptic drugs for trigeminal neuralgia. He L, Wu B, Zhou M. *Cochrane Database of Systematic Reviews* 2006, Issue 3. Art No.: CD004029.

Topical NSAIDs for chronic musculoskeletal pain: systematic review and meta-analysis. Mason L, Moore RA, Edwards JE, Derry S, McQuay HJ. *BMC. Musculoskelet Disord* 2004; 5:28.

Prevalence of chronic pain after traumatic brain injury: A systematic review. Nampiaparampil DE. *JAMA.* 2008; 300(6): 711-719.

Plantar fasciitis. Nuchbinder R. *N Engl J Med.* 2004; 350: 2159-66.

Temporomandibular disorders. Scrivani SJ, Keith DA, Kaban LB. N Engl J Med. 2008;359: 2693-705.

The effectiveness of extra corporeal chock wave therapy for plantar heel pain: a systematic review and meta-analysis. Thomson CE, Crawford F, Murray GD. BMJ Musculoskelet Disord 2005; 6(1):19.

Adverse effects of cyclooxygenase 2 Inhibitors on renal and arrhythmia events: Meta-analysis of randomized trials. Zhang J, Ding EL, Song YJAMA. 2006; 296(13): 1619-1632.

Bone, Joint, and Connective Tissue Disorders

The burden and determinants of neck pain in the general population: results of the bone and joint decade 2000-2010 Task force on neck pain and its associated disorders. Hogg-Johnson, S. et al. Journal of Manipulative and Physiological Therapeutics Volume 32, Issue 2, Supplement 1, February 2009, Pages S46-S60.

Evidence based recommendations for the role of exercise in the management of osteoarthritis of the hip or knee – the MOVE consensus. Roddy, E. et al. Rheumatology 2005 44(1): 67-73.

Systems for implementing best practice for chronic disease: management of osteoarthritis of the hip and knee. Brand, C. et al. Brand, C. et al Internal Medicine Journal 2006 36(3):170-179, March

Care and management of osteoarthritis in adults: summary of NICE guidelines. Conaghan, P et al BMJ 2008; 336:502-503 (1 March).

OARSI recommendations for the management of hip and knee osteoarthritis, Part I: Critical appraisal of existing treatment guidelines and systematic review of current research evidence. Zhang, W. et al. Osteoarthritis and Cartilage Volume 15, Issue 9, September 2007, Pages 981-1000.

OARSI recommendations for the management of hip and knee osteoarthritis, Part II: OARSI evidence-based, expert consensus guidelines . Zhang, W. et al. Osteoarthritis and Cartilage Volume 16, Issue 2, February 2008, Pages 137-162.

Appropriate and effective management of rheumatoid arthritis. Breedveld, F. et al. Annals of the Rheumatic Diseases 2004; 63: 627-633.

Treatment of rheumatoid arthritis. Emery, PBMJ 2006; 332: 152-155 (21 January).

EULAR recommendations for the management of early arthritis: report of a task force of the European standing committee for international clinical studies including therapeutics. Combe, B. et al. (ESCISIT). Annals of the Rheumatic Diseases 2007; 66:34-46.

Therapeutic strategies for rheumatoid arthritis. O'Dell, J. NEJM 2004 Volume 350:2591-2602, Number 25 (June 17).

Self management in osteoarthritis of hip or knee: a randomized clinical trial in a primary healthcare setting. Heuts, P. Journal of Rheumatology 2005 Mar: 32(3): 543-9.

PROSTHETICS, ORTHOTICS, ASSISTIVE DEVICES, GAIT

Mobile arm supports: Evidence-based benefits and criteria for use. Atkins M.S, et al. The journal of spinal cord medicine 31.4, 2008: 388-93.

Powered mobility for middle-aged and older adults: Systematic review of outcomes and appraisal of published evidence. Auger C, et al. American Journal of Physical Medicine & Rehabilitation / Association of Academic Physiatrists 87.8, 2008: 666-80.

Effectiveness of upper and lower limb casting and orthoses in children with cerebral palsy: An overview of review articles. Autti-Ramo I, et al. American Journal of Physical Medicine & Rehabilitation / Association of Academic Physiatrists 85.1, 2006: 89-103.

Comparison of interface pressures with pin and suction suspension systems. Beil TL, Street GM. Journal of rehabilitation research and development 41.6A, 2004: 821-8.

Microprocessor prosthetic knees. Berry D. Physical Medicine and Rehabilitation Clinics of North America 17.1, 2006: 91,113, vii.

Clinical inquiries: What is the best way to manage phantom limb pain? Black LM, Persons RK, Jamieson B. The Journal of family practice 58.3, 2009: 155-8.

Return to driving after lower-extremity amputation. Boulias C, et al. Archives of Physical Medicine and Rehabilitation 87.9, 2006: 1183-8.

Effect of ankle-Foot orthoses on walking efficiency and gait in children with cerebral palsy. Brehm MA, Harlaar J, Schwartz M. Journal of rehabilitation medicine: official journal of the UEMS European board of physical and rehabilitation medicine 40.7, 2008: 529-34.

Return to work after lower limb amputation. Burger H, Marincek C. Disability and rehabilitation 29.17, 2007: 1323-9.

Partial hand amputation and work. Burger H, Maver T, Marincek C. Disability and rehabilitation 29.17, 2007: 1317-21.

Comparison of orthotic materials on foot pain, comfort, and plantar pressure in the neuroischemic diabetic foot: A case report. Burns J, Begg L, Vicaretti M. Journal of the American Podiatric Medical Association 98.2, 2008: 143-8.

Lower extremity socket design and suspension. Carroll K. Physical Medicine and Rehabilitation Clinics of North America 17.1, 2006: 31-48.

Effects of an anterior ankle-foot orthosis on postural stability in stroke patients with hemiplegia. Chen CK., et al. American Journal of Physical Medicine & Rehabilitation / Association of Academic Physiatrists 87.10, 2008: 815-20.

Comparison of different microprocessor controlled knee joints on the energy consumption during walking in trans-femoral amputees: Intelligent knee prosthesis (IP) versus C-Leg. Chin T, et al. Prosthetics and orthotics international 30.1, 2006: 73-80.

Effect of physical fitness on prosthetic ambulation in elderly amputees. Chin T, Sawamura S, Shiba R. American Journal of Physical Medicine & Rehabilitation / Association of Academic Physiatrists 85.12, 2006: 992-6.

An evaluation of patient perceptions to the value of the gait laboratory as part of the rehabilitation of primary lower limb amputees. Cole M J, Durham S, Ewins D. Prosthetics and orthotics international. 32.1, 2008: 12-22.

Review of research on prosthetic devices for lower extremity amputation. Collins DM, et al. Critical Reviews in Biomedical Engineering 34.5, 2006: 379-438.

Energy expenditure in stroke subjects walking with a carbon composite ankle foot orthosis. Danielsson A, Sunnerhagen KS. Journal of rehabilitation medicine: official journal of the UEMS European Board of Physical and Rehabilitation Medicine 36.4, 2004: 165-8.

Self-delivered home-based mirror therapy for lower limb phantom pain. Darnall BD. American Journal of Physical Medicine & Rehabilitation / Association of Academic Physiatrists 88.1, 2009: 78-81.

Indications for orthoses to improve gait in children with cerebral palsy. Davids JR, Rowan F, Davis BR. The Journal of the American Academy of Orthopedic Surgeons 15.3, 2007: 178-88.

Power mobility device provision: Understanding medicare guidelines and advocating for clients. Dicianno BE, Tovey E. Archives of Physical Medicine and Rehabilitation 88.6, 2007: 807-16.

Reamputation, mortality, and health care costs among persons with dysvascular lower-limb amputations. Dillingham TR, Pezzin LE, Shore AD. Archives of Physical Medicine and Rehabilitation 86.3, 2005: 480-6.

Rehabilitation setting and associated mortality and medical stability among persons with amputations. Dillingham TR, Pezzin LE. Archives of Physical Medicine and Rehabilitation 89.6, 2008: 1038-45.

A Preliminary study on the impact of pushrim-activated power-assist wheelchairs among individuals with tetraplegia. Ding D, et al. American Journal of Physical Medicine & Rehabilitation / Association of Academic Physiatrists 87.10, 2008: 821-9.

Dermatologic conditions associated with use of a lower-extremity prosthesis. Dudek NL, et al. Archives of Physical Medicine and Rehabilitation 86.4, 2005: 659-63.

Skin problems in an amputee clinic. Dudek NL, Marks MB, Marshall SC. American Journal of Physical Medicine & Rehabilitation / Association of Academic Physiatrists 85.5, 2006: 424-9.

Orthotic management of the neuropathic limb. Elftman NW. Physical Medicine and Rehabilitation Clinics of North America 17.1, 2006: 115-57.

Efficacy of ankle-foot orthoses on gait of children with cerebral palsy: Systematic review of literature. Figueiredo EM, et al. Pediatric physical therapy: the official publication of the Section on Pediatrics of the American Physical Therapy Association 20.3, 2008: 207-23.

The geriatric amputee. Frieden RA. Physical Medicine and Rehabilitation Clinics of North America 16.1, 2005: 179-95.

Componentry for lower extremity prostheses. Friel K. The Journal of the American Academy of Orthopaedic Surgeons 13.5, 2005: 326-35.

Review of secondary physical conditions associated with lower-limb amputation and long-term prosthesis use. Gailey R, et al. Journal of rehabilitation research and development 45.1, 2008: 15-29.

Sexuality and amputation: A systematic literature review. Geertzen JH, Van Es CG, Dijkstra PU. Disability and rehabilitation 31.7, 2009: 522-7.

Participation in community-based activities of daily living: comparison of a pushrim-activated, power-assisted wheelchair and a power wheelchair. Giesbrecht EM, et al. *Disability and rehabilitation. Assistive technology* 4.3, 2009: 198-207.

Postoperative management of lower extremity amputations. Goldberg T. *Physical Medicine and Rehabilitation Clinics of North America* 17.1, 2006: 173,80, vii.

A comparative study of conventional and energy-storing prosthetic feet in high-functioning transfemoral amputees. Graham LE, et al. *Archives of Physical Medicine and Rehabilitation* 88.6, 2007: 801-6.

A comparative study of oxygen consumption for conventional and energy-storing prosthetic feet in transfemoral amputees. Graham LE, et al. *Clinical rehabilitation* 22.10-11, 2008: 896-901.

Effects of rigid and dynamic ankle-foot orthoses on normal gait. Guillebastre BP, Calmels, and P. Rougier. *Foot & ankle international / American Orthopaedic Foot and Ankle Society [and] Swiss Foot and Ankle Society* 30.1, 2009: 51-6.

Evaluation of function, performance, and preference as transfemoral amputees transition from mechanical to microprocessor control of the prosthetic knee. Hafner B J, et al. *Archives of Physical Medicine and Rehabilitation* 88.2, 2007: 207-17.

Osseointegrated trans-femoral amputation prostheses: prospective results of general and condition-specific quality of life in 18 patients at 2-Year follow-up. Hagberg K, et al. *Prosthetics and orthotics international* 32.1, 2008: 29-41.

The effects of prosthetic foot design on physiologic measurements, self-selected walking velocity, and physical activity in people with transtibial amputation. Hsu M J, et al. *Archives of Physical Medicine and Rehabilitation* 87.1, 2006: 123-9.

Effectiveness of foot orthoses for treatment and prevention of lower limb injuries: A review. Hume P, et al. *Sports medicine (Auckland, N.Z.)* 38.9, 2008: 759-79.

Stability of phantom limb phenomena after upper limb amputation: A longitudinal study. Hunter JP, Katz J, Davis KD. *Neuroscience* 156.4, 2008: 939-49.

Biomechanical effect of electromechanical knee-ankle-foot-orthosis on knee joint control in patients with poliomyelitis. Hwang S, et al. *Medical & biological engineering & computing* 46.6, 2008: 541-9.

Gait changes over time in stance control orthosis users. Irby SE, Bernhardt KA, Kaufman KR.

Prosthetics and orthotics international 31.4, 2007: 353-61.

Shoe modification and the use of orthoses in the treatment of foot and ankle pathology.

Janisse DJ, Janisse E. The Journal of the American Academy of Orthopaedic Surgeons 16.3, 2008: 152-8.

Comparison of non-microprocessor knee mechanism versus C-Leg on prosthesis evaluation questionnaire, stumbles, falls, walking tests, stair descent, and knee preference. Kahle JT, Highsmith MJ, Hubbard SL. Journal of rehabilitation research and development 45.1, 2008: 1-14.

Gait and balance of transfemoral amputees using passive mechanical and microprocessor-controlled prosthetic knees. Kaufman KR, et al. Gait & posture 26.4, 2007: 489-93.

Energy expenditure and activity of transfemoral amputees using mechanical and microprocessor-controlled prosthetic knees. Kaufman KR, et al. Archives of Physical Medicine and Rehabilitation 89.7, 2008: 1380-5.

Burns and amputations: A 24-year experience. Kennedy P J, et al. Journal of burn care & research: official publication of the American Burn Association 27.2, 2006: 183-8.

The experience of phantom limb pain in patients with combat-related traumatic amputations. Ketz AK. Archives of Physical Medicine and Rehabilitation 89.6, 2008: 1127-32.

Targeted reinnervation for improved prosthetic function. Kuiken T. Physical Medicine and Rehabilitation Clinics of North America 17.1, 2006: 1-13.

Chronic low back pain in traumatic lower limb amputees. Kulkarni J, et al. Clinical rehabilitation 19.1, 2005: 81-6.

Survival rates in dysvascular lower limb amputees. Kulkarni J, Pande S, Morris J. International journal of surgery (London, England) 4.4, 2006: 217-21.

Clinical factors associated with prescription of a prosthetic limb in elderly veterans. Kurichi JE, et al. Journal of the American Geriatrics Society 55.6, 2007: 900-6.

Evaluation of a stair-climbing power wheelchair in 25 people with tetraplegia. Laffont I, et al. Archives of Physical Medicine and Rehabilitation 89.10, 2008: 1958-64.

Progressive upper limb prosthetics. Lake C, Dodson R. Physical Medicine and Rehabilitation Clinics of North America 17.1, 2006: 49-72.

Advances in orthotics and bracing. Logue JD. Foot and ankle clinics 12.2, 2007: 215,32, v.

Long-term outcomes and survival of patients with bilateral transtibial amputations after rehabilitation. Mac Neill HL, et al. American Journal of Physical Medicine & Rehabilitation / Association of Academic Physiatrists 87.3, 2008: 189-96.

Functional bracing of the adult acquired flatfoot. Marzano R. Clinics in podiatric medicine and surgery 24.4, 2007: 645,56, vii.

Efficacy of bracing the lower limbs and ambulation training in children with myelomeningocele. Mazur JM, Kyle S. Developmental medicine and child neurology 46.5, 2004: 352-6.

Skin problems in lower limb amputees: A systematic review. Meulenbelt HE, et al. Disability and rehabilitation 28.10, 2006: 603-8.

Determinants of skin problems of the stump in lower-limb amputees. Meulenbelt HE, et al. Archives of Physical Medicine and Rehabilitation 90.1, 2009: 74-81.

Control of a six degree of freedom prosthetic arm after targeted muscle reinnervation surgery. Miller LA, et al. Archives of Physical Medicine and Rehabilitation 89.11, 2008: 2057-65.

Low-Back Pain in transfemoral amputees: Is there a correlation with static or dynamic leg-length discrepancy? Morgenroth DC, et al. American Journal of Physical Medicine & Rehabilitation / Association of Academic Physiatrists 88.2, 2009: 108-13.

Is mirror therapy all it is cracked up to be? Current evidence and future directions. Moseley G L, Gallace A, Spence C. Pain 138.1, 2008: 7-10.

The effects of tone-reducing orthotics on walking of an individual after incomplete spinal cord injury. Nash B, Roller JM, Parker MG. Journal of neurologic physical therapy: JNPT 32.1, 2008: 39-47.

Power-assisted wheels ease energy costs and perceptual responses to wheelchair propulsion in persons with shoulder pain and spinal cord injury. Nash MS, et al. Archives of Physical Medicine and Rehabilitation 89.11, 2008: 2080-5.

Foot orthoses in rehabilitation--what's new. Nawoczenski DA, Janisse DJ. Clinics in sports Medicine 23.1, 2004: 157-67.

Limb deficiency and prosthetic management. Nelson VS, et al. Decision making in prosthetic prescription and management. Archives of Physical Medicine and Rehabilitation 87.3, Suppl 1 2006:

S3-9.

Gait efficiency using the C-Leg. Orendurff MS, et al. Journal of rehabilitation research and development 43.2, 2006: 239-46.

Targeted reinnervation to improve prosthesis control in transhumeral amputees.

O'Shaughnessy KD. A report of three cases. 90.2, 2008: 393-400.

Making sense of the new power mobility codes. Paleg G. Subject to approval. Rehab management 20.1, 2007: 30, 32, 34 passim.

Advances in amputee care. Pasquina PF, et al. Archives of Physical Medicine and Rehabilitation 87.3, Suppl 1 2006: S34,43; quiz S44-5.

Quality of medical care provided to service members with combat-related limb amputations: Report of patient satisfaction. Pasquina PF, et al. Journal of rehabilitation research and development 45.7, 2008: 953-60.

Falls sustained during inpatient rehabilitation after lower Limb amputation: prevalence and predictors. Pauley T, Devlin M, Heslin K. American Journal of Physical Medicine & Rehabilitation / Association of Academic Physiatrists 85.6, 2006: 521, 32

Heterotopic ossification following traumatic and combat-related amputations. Prevalence, risk factors, and preliminary results of excision. Potter BK, et al. The Journal of bone and joint surgery. American volume 89.3, 2007: 476-86.

De-stabilizing and training effects of foot orthoses in multiple sclerosis. Ramdharry GM, et al. Multiple sclerosis (Houndmills, Basingstoke, England) 12.2, 2006: 219-26.

Identifying clinically meaningful improvement in rehabilitation of lower-limb amputees.

Resnik L. Medicine and health, Rhode Island 90.1, 2007: 15-7.

Incidence of phantom phenomena including phantom limb pain 6 months after major lower limb amputation in patients with peripheral vascular disease. Richardson C, et al. The Clinical journal of pain 22.4, 2006: 353-8.

Effects of foot orthoses on patients with chronic ankle instability. Richie DH. Journal of the American Podiatric Medical Association 97.1, 2007: 19-30.

Changes in muscle activity in children with hemiplegic Cerebral palsy while walking with and without ankle-foot orthoses. Romkes J, Hell AK, Brunner R. Gait & posture 24.4, 2006: 467-

74.

Painful and nonpainful phantom and stump sensations in acute traumatic Amputees. Schley MT, et al. *The Journal of trauma* 65.4, 2008: 858-64.

Kinematic and kinetic comparisons of transfemoral amputee gait using C-Leg and mauch SNS prosthetic knees. Segal AD, et al. *Journal of rehabilitation research and development* 43.7, 2006: 857-70.

A randomized controlled trial comparing functional outcome and cost efficiency of a total surface-bearing socket versus a conventional patellar tendon-bearing socket in transtibial amputees. Selles RW, et al. *Archives of Physical Medicine and Rehabilitation* 86.1, 2005: 154,61; quiz 180.

Comparison between the C-Leg microprocessor-Controlled prosthetic knee and non-microprocessor control prosthetic knees: A preliminary study of energy expenditure, obstacle course performance, and quality of life survey. Seymour R, et al. *Prosthetics and orthotics international* 31.1, 2007: 51-61.

Peroneal nerve stimulation versus an ankle foot orthosis for correction of footdrop in stroke: Impact on functional ambulation. Sheffler LR, et al. *Neurorehabilitation and neural repair* 20.3, 2006: 355-60.

How many people would benefit from a smart wheelchair? Simpson RC, LoPresti EF, Cooper RA. *Journal of rehabilitation research and development* 45.1, 2008: 53-71.

Fluid collections in amputee stumps: A common phenomenon. Singh R, Hunter J, Philip A. *Archives of Physical Medicine and Rehabilitation* 88.5, 2007: 661-3.

Scoliosis: A straight forward approach to diagnosis and management. Smith JR., Sciubba DM, Samdani AF. *JAAPA : official journal of the American Academy of Physician Assistants* 21.11, 2008: 40-5.

Managing the upper extremity amputee: A protocol for success. Smurr LM, et al. *Journal of hand therapy: official journal of the American Society of Hand Therapists* 21.2, 2008: 160,75; quiz 176.

Characterization of power wheelchair use in the home and community. Sonenblum SE, et al. *Archives of Physical Medicine and Rehabilitation* 89.3, 2008: 486-91.

The effectiveness of inpatient rehabilitation in the acute postoperative phase of care after transtibial or transfemoral amputation: Study of an integrated health care delivery system. Stineman MG, et al. Archives of Physical Medicine and Rehabilitation 89.10, 2008: 1863-72.

The prevalence of osteoarthritis of the intact hip and knee among traumatic leg amputees. Struyf PA, et al Archives of Physical Medicine and Rehabilitation 90.3, 2009: 440-6.

Differences in gait characteristics between persons with bilateral transtibial amputations, due to peripheral vascular disease and trauma, and able-bodied ambulators. Su PF, et al. Archives of Physical Medicine and Rehabilitation 89.7, 2008: 1386-94.

Complications of cervical halo-vest orthoses in elderly patients. Taitzman LA, et al. Orthopedics 31.5, 2008: 446.

Comparison of quality of life and functionality in patients with traumatic unilateral below knee amputation and salvage surgery. Tekin L, et al. Prosthetics and orthotics international 33.1, 2009: 17-24.

Pare and prosthetics: The early history of artificial limbs. Thurston AJ. ANZ Journal of Surgery 77.12, 2007: 1114-9.

Changes in lower Extremity prosthetic practice. Trower TA. Physical Medicine and Rehabilitation Clinics of North America 17.1, 2006: 23,30, v-vi.

Orthotic devices after stroke and other non-progressive brain lesions. Tyson S F, Kent RM. Cochrane database of systematic reviews (Online) (1).1 2009: CD003694.

A questionnaire survey of the effect of different interface types on patient satisfaction and perceived problems among trans-tibial amputees. Van de Weg FB, Van der Windt DA. Prosthetics and orthotics international 29.3, 2005: 231-9.

Effect of dynamic orthoses on gait: A retrospective control study in children with hemiplegia. Van Gestel L, et al. Developmental medicine and child neurology 50.1, 2008: 63-7.

Early Treatment of trans-tibial amputees: Retrospective analysis of early fitting and elastic bandaging. van Velzen AD, et al. Prosthetics and orthotics international 29.1, 2005: 3-12.

Prosthetic feet: State-of-the-art review and the importance of mimicking human ankle-foot biomechanics. Versluys R, et al. Disability and rehabilitation. Assistive technology 4.2, 2009: 65-75.

Prosthetic ankle-foot mechanism capable of automatic adaptation to the walking surface. Williams RJ, Hansen AH, Gard SA. *Journal of Biomechanical Engineering* 131.3, 2009: 035002.

Effectiveness of automated locomotor training in patients with chronic incomplete spinal cord injury: A multicenter trial. Wirz M, et al. *Archives of Physical Medicine and Rehabilitation* 86.4, 2005: 672-80.

Orthotics and assistive devices in the treatment of upper and lower Limb osteoarthritis: An update. Yonclas PP, et al. *American Journal of Physical Medicine & Rehabilitation / Association of Academic Physiatrists* 85.11 Suppl, 2006: S82-97.

Prosthetic management of the partial foot amputee. Yonclas PP, O'donnell CJ. *Clinics in podiatric medicine and surgery* 22.3, 2005: 485-502.

Quality of life of persons with lower-limb amputation during rehabilitation and at 3-month follow-Up. Zidarov D, Swaine B, Gauthier-Gagnon C. *Archives of Physical Medicine and Rehabilitation* 90.4, 2009: 634-45.

Prosthetic feet: state-of-the-art review and the importance of mimicking human ankle-foot biomechanics. Versluys R, Beyl P, Van Damme M, Desomer A, Van Ham R, Lefeber D. *Disabil Rehabil Assist Technol.* Mar 2009;4(2):65-75.

Lower-extremity amputations in patients with diabetes: pre- and post-surgical decisions related to successful rehabilitation. Davis BL, Kuznicki J, Praveen SS, Sferra JJ. *Diabetes Metab Res Rev.* May-Jun 2004;20 Suppl 1:S45-50.

Orthotic and prosthetic prescriptions for today and tomorrow. Kelly BM, Spires MC, Restrepo JA. *Phys Med Rehabil Clin N Am.* Nov 2007;18(4):785-858.

Traumatic Brain Injury

General BI

Rehabilitation of traumatic brain injury in active duty military personnel and veterans: Defense and Veterans Brain Injury Center randomized controlled trial of two rehabilitation approaches. Vanderploeg RD, Schwab K, Walker WC, Fraser JA, Sigford BJ, Date ES, Scott SG, et al. Arch Phys Med Rehabil. 2008; 89(12):2227-38.

Neuroimaging in traumatic brain injury. Lee B, Newberg A. NeuroRx. 2005; 2(2):372-383.

Complicated mild traumatic brain injury on the inpatient rehabilitation unit: a multicenter analysis. Kennedy RE; Livingston L, Marwitz JH, Gueck S, Kreutzer JS, Sander. AM. J Head Trauma Rehabil. 2006; 21(3):260-71.

Outcome

Prediction of memory rehabilitation outcomes in traumatic brain injury by using functional magnetic resonance imaging. Strangman GE, O'Neil-Pirozzi TM, Goldstein R, Kelkar K, Katz DI, Burke D, et al. Arch Phys Med Rehabil. 2008; 89(5):974-81.

Early Glasgow Outcome Scale scores predict long-term functional outcome in patients with severe traumatic brain injury. King JT Jr, Carlier PM, Marion DW. J Neurotrauma. Sep 2005;22(9):947-54.

Brain injury severity and autonomic dysregulation accurately predict heterotopic ossification in patients with traumatic brain injury. Hendricks HT, Geurts AC, van Ginneken BC, Heeren AJ, Vos PE. Clin Rehabil. 2007; 21(6):545-53 .

Seizures

Evaluation of Seizure-like Episodes in Survivors of Moderate and Severe Traumatic Brain Injury. Hudak AM, Trivedi K, Harper CR, Booker K, Caesar RR, Agostini M, Van Ness PC, Diaz-Arrastia, R. The Journal of Head Trauma Rehabilitation. 19(4):290-295, July/August 2004.

Levetiracetam versus phenytoin for seizure prophylaxis in severe traumatic brain injury. Jones KE, Puccio AM, Harshman KJ, Falcione B, Benedict N, Jankowitz BT, et al. Neurosurg Focus. 2008 Oct;25(4):E3.

Teasell R, Bayona N, Lippert C, Villamere J, Hellings C. Brain Inj. 2007 Feb;21(2):201-14. Review.

Depression

Treatment of Depression Following Traumatic Brain Injury. Alderfer BS, Arciniegas DB, Silver JM. The Journal of Head Trauma Rehabilitation. 20(6):544-562, November/December 2005.

Pathophysiologic aspects of major depression following traumatic brain injury. Jorge RE, Starkstein SE. J Head Trauma Rehabil. Nov-Dec 2005; 20(6):475-87.

Update on Antidepressants. The Journal of Head Trauma Rehabilitation. O'Shanick GJ. 21(3):282-284, May/June 2006.

The effect of major depression on subjective and objective cognitive deficits in mild to moderate traumatic brain injury. Chamelian L, Feinstein A. J Neuropsychiatry Clin Neurosci. 2006; 18(1):33-8.

Major depression following traumatic brain injury. Arch Gen Psychiatry. Jorge RE, Robinson RG, Moser D, et al. Jan 2004; 61(1):42-50.

Natural history of depression in traumatic brain injury. Dikmen SS, Bombardier CH, Machamer JE, et al. Arch Phys Med Rehabil. Sep 2004;85(9):1457-64.

Abnormal Movements

Loher TJ, Krauss JK. Mov Disord. 2009 Jan 30; 24(2):157-67. Review.

O'Suilleabhain P, Dewey RB Jr. 2004 Jul-Aug;19(4):305-13 Review. **J Head Trauma Rehabil.**

Frei KP, Pathak M, Jenkins S, Truong DD. Mov Disord. 2004 Dec; 19(12):1492-8. Review.

Sleep Disturbances

Poor sleep quality and changes in objectively recorded sleep after traumatic brain injury: a preliminary study. Parcell DL, Ponsford JL, Redman JR, Rajaratnam SM. Arch Phys Med Rehabil. 2008 May;89(5):843-50.

Prevalence and consequences of sleep disorders in traumatic brain injury. Castriotta RJ, Wilde MC, Lai JM, Atanasov S, Masel BE, Kuna ST. *J Clin Sleep Med.* 2007 Jun 15;3(4):349-56.

Return of memory and sleep efficiency following moderate to severe closed head injury. Makley MJ, Johnson-Greene L, Tarwater PM, Kreuz AJ, Spiro J, Rao V, Celnik PA. *Neurorehabil Neural Repair.* 2009 May;23(4):320-6. Epub 2009 Jan 26.

Prevalence and types of sleep disturbances acutely after traumatic brain injury. Rao V, Spiro J, Vaishnavi S, Rastogi P, Mielke M, Noll K, Cornwell E, Schretlen D, Makley Brain Inj. 2008 May;22(5):381-6.

Insomnia following traumatic brain injury: A review. Ouellet MC, Savard J, Morin CM. *Neurorehabil Neural Repair.* 2004 Dec;18(4):187-98. Review.

Sleep disorders in chronic traumatic brain injury. Verma A, Anand V, Verma NP. *J Clin Sleep Med.* 2007 Jun 15;3(4):357-62.

The Use of Atypical Antipsychotics After Traumatic Brain Injury. Elovic EP, Jasey NN Jr, Eisenberg ME. *The Journal of Head Trauma Rehabilitation.* 23(2):132-135, March/April 2008.

Transcranial Magnetic Stimulation: A Possible Treatment for TBI. Pape TLB, Rosenow J, Lewis G. *The Journal of Head Trauma Rehabilitation.* 21(5):437-451, September/October 2006.

Dysautonomia

A critical review of the pathophysiology of dysautonomia following traumatic brain injury. Baguley IJ, Heriseanu RE, Cameron ID, et al. *Neurocrit Care.* 2008;8(2):293-300.
Blackman JA, Patrick PD, Buck ML, et al. *Arch Neurol.* Mar 2004;61(3):321-8.

Paroxysmal autonomic instability with dystonia after brain injury. Baguley IJ, Cameron ID, Green AM, et al. Pharmacological management of dysautonomia following traumatic brain injury. *Brain Inj.* May 2004;18(5):409-17. [Medline].

The incidence of dysautonomia and its relationship with autonomic arousal following traumatic brain injury. Baguley IJ, Slewa-Younan S, Heriseanu RE, et al. *Brain Inj.* Oct 2007;21(11):1175-81. [Medline].

Dysautonomic seizures in patients admitted to an intensive care unit following severe traumatic brain injury. Fernández-Ortega JF, Prieto-Palomino MA, Muñoz-López A, et al. *Rev Neurol.* Oct 16-31 2004;39(8):715-8. [Medline].

Post-operative expansion of hemorrhagic contusions after unilateral decompressive hemicraniectomy in severe traumatic brain injury. Flint AC, Manley GT, Gean AD, et al. J Neurotrauma. Mar 17 2008

Cognition/Behavior

The Vegetative and Minimally Conscious States: Current Knowledge and Remaining Questions. Giacino J, Whyte J. The Journal of Head Trauma Rehabilitation. 20(1):30-50, January/February 2005.

Incidence of clinically significant responses to zolpidem among patients with disorders of consciousness: a preliminary placebo controlled trial. Whyte J, Myers R. Am J Phys Med Rehabil. 2009 May;88(5):410-8.

The vegetative and minimally conscious states: current knowledge and remaining questions. Giacino J, Whyte J. The Journal of Head Trauma Rehabilitation. 20(1):30-50, January/February 2005.

Clinical diagnosis of prolonged states of impaired consciousness in adults. Wijdicks EF, Cranford RE. Mayo Clin Proc. 2005 Aug;80(8):1037-46. Review.

Exploring altered consciousness states by magnetic resonance imaging in brain injury. Lescot T, Galanaud D, Puybasset L. Ann N Y Acad Sci. 2009 Mar;1157:71-80. Review.

Monti MM, Coleman MR, Owen. Neuroimaging and the vegetative state: resolving the behavioral assessment dilemma? Ann N Y Acad Sci. 2009 Mar;1157:81-9. Review.

Aggressive behavior following traumatic brain injury: how common is common? Baguley IJ, Cooper J, Felmingham K. J Head Trauma Rehabil. Jan-Feb 2006;21(1):45-56.

Amantadine for traumatic brain injury: does it improve cognition and reduce agitation?. Leone H, Polsonetti BW. J Clin Pharm Ther. Apr 2005;30(2):101-4.

injury. Fleminger S, Greenwood RJ, Oliver DL. Cochrane Database Syst Rev. 2006 Oct 18;(4):CD003299. Review.

Levy M,

Berson A, Cook T, Bollegala N, Seto E, Tursanski S, et al. NeuroRehabilitation. 2005;20(4):279-306. Review.

Pain/HA

Prevalence of chronic pain after traumatic brain injury: a systematic review. Nampiarampil DE. JAMA. 2008 Aug 13;300(6):711-9. Review.

Headache after moderate and severe traumatic brain injury: a longitudinal analysis. Walker WC, Seel RT, Curtiss G, et al. Arch Phys Med Rehabil. Sep 2005;86(9):1793-800.

Post-traumatic headache: facts and doubts. Formisano R, Bivona U, Catani S, D'Ippolito M, Buzzi MG. J Headache Pain. 2009 Jun;10(3):145-52. Epub 2009 Mar 18. Review.

Functional Imaging of Central Nervous System Involvement in Complex Regional Pain Syndrome. Schwenkreis P, Maier C, Tegenthoff M. AJNR Am J Neuroradiol. 2009 Apr 22.

Walker WC. J Head Trauma Rehabil. 2004 Jan-Feb;19(1):72-81. Review.

Son BC, Lee SW, Choi ES, Sung JH, Hong JT. Pain. 2006 Jul;123(1-2):210-6. Epub 2006 Apr 17.

DVT and HO

Deep venous thrombosis management following traumatic brain injury: A Practice survey of the traumatic brain injury model systems. Carlile MC, Yablon SA, Mysiw WJ, Frol AB, Lo D, Diaz-Arrastia R. Journal of Head Trauma Rehabilitation: November/December 2006 - Volume 21 - Issue 6 - p 483-490.

Traumatic brain injury is associated with the development of deep vein thrombosis independent of pharmacological prophylaxis. Reiff DA, Haricharan RN, Bullington NM, Griffin RL, McGwin G Jr, Rue LW 3rd. J Trauma. 2009 May;66(5):1436-40.

Venous thromboembolism prophylaxis and treatment in patients with acute stroke and traumatic brain injury. Vergouwen MD, Roos YB, Kamphuisen PW. Curr Opin Crit Care. 2008 Apr;14(2):149-55.

Deep vein thrombosis: prevalence and risk factors in rehabilitation admissions with brain

injury. Yablon SA, Rock WA Jr, Nick TG, Sherer M, McGrath CM, Goodson KH. Neurology. 2004 Aug 10;63(3):485-91.

Traumatic brain injury is associated with the development of deep vein thrombosis independent of pharmacological prophylaxis. Meythaler JM, Fisher WS, Rue LW, Johnson A, Davis L, Brunner RC. J Trauma. 2009; 66(5):1436-40 (ISSN: 1529-8809).

Management of heterotopic ossification and venous thromboembolism following acquired brain injury. Cullen N, Bayley M, Bayona N, Hilditch M, Aubut J; Erabi Group. Brain Inj. 2007 Feb;21(2):215-30. Review.

Assessing, preventing, and treating venous thromboembolism: evidence-based approaches. Nutescu EA. Am J Health Syst Pharm. 2007 Jun 1;64(11 Suppl 7):S5-13. Review.

From brain to bone: Evidence for the release of osteogenic humoral factors after traumatic brain injury. Andrew MT, Oliver PG, Sönke PF, Luis FRZ. Brain Injury, 1362-301X, Volume 22, Issue 7, 2008, Pages 511 – 518.

Management of heterotopic ossification and venous thromboembolism following acquired brain injury. Cullen N, Bayley M, Bayona N, Hilditch M, Aubut J. Brain Inj. 2007; 21(2):215-30 .

Heterotopic ossification: a review. Vanden BL, Vanderstraeten G. J Rehabil Med. 2005; 37(3):129-36

International Standards for Neurologic Classification of Spinal Cord Injury (Revised 2000, reprinted 2006)

All Clinical Practice Guidelines from Consortium for Spinal Cord Medicine (Paralyzed Veterans of America):

- Bladder Management for Adults with SCI
- Preservation of Upper Limb Function
- Respiratory Management
- Depression
- Neurogenic Bowel Management in Adults with SCI
- Outcomes Following Traumatic SCI
- Acute Management of Autonomic Dysreflexia
- Pressure Ulcer Prevention and Treatment
- Prevention of Thromboembolism in SCI
- Early Acute Management in Adults with SCI

Prevention and treatment of heterotopic ossification after spinal cord injury. Banovac K, Sherman AL, Estores IM, Banovac F. J Spinal Cord Med. 2004; 27(4): 376-82.

Coronary heart disease in individuals with spinal cord injury: assessment of risk factors. Bauman WA, Spungen AM. Spinal Cord. 2008 Jul; 46(7): 466-76.

The International Standards for Neurologic Classification of Spinal Cord Injury: reliability of data when applied to children and youths. Mulcahy MJ, Gaughan J, Betz RR, Johansen KJ. Spinal Cord. 2007 Jun; 45(6): 452-9.

Inter-rater agreement of the anorectal exam and classification of injury severity in children with spinal cord injury. Vogel L, Samdani A, Chafetz R, Gaughan J, Betz R, Mulcahey MJ. Spinal Cord. 2009 Feb 3 (e-published ahead of print).

The early evolution of spinal cord lesions on MR imaging following traumatic spinal cord injury. Leybold BG, Flanders AE, Burns AS. Am J Neuroradiol. 2008 May; 29(5): 1012-6.

Clinical applications of electrical stimulation after spinal cord injury. Creasey GH, Ho CH, Triolo RJ, Gater DR, DiMarco AF, Bogie KM, Keith MW. *J Spinal Cord Med.* 2004; 27(4): 365-75.

Complete worldwide operative experience in laparoscopic diaphragm pacing: results and differences in spinal cord injured patients and amyotrophic lateral sclerosis patients. Onders RP, Elmo M, Khansarinia S, Bowman B, Yee J, Road J, Bass B, Dunkin B, Ingvarsson PE, Oddsdottir M. *Surg Endosc.* 2008 Dec 6.

International standards to document remaining autonomic function after spinal cord injury. Alexander MS, Biering-Sorensen F, Bodner D, et al. *Spinal Cord* 2009 Jan; 47(1): 36-43.

A demographic profile of new traumatic spinal cord injuries: change and stability over 30 years. Jackson AB, Dijkers M, Devivo MJ, Poczatek RB. *Arch Phys Med Rehabil* 2004 Nov; 85(11): 1740-8.

Outcomes of early surgical management versus late or no surgical intervention after acute spinal cord injury. McKinley W, Meade MA, Kirshblum S, Barnard B. *Arch Phys Med Rehabil* 2004; 85:1818-1825.

Epidemiology of spinal cord injury in children and adolescents. DeVivo MJ, Vogel LC. *J Spinal Cord Med* 2004; 27 Suppl 1: S4-10.

Long-term body-weight supported treadmill training and subsequent follow-up in persons with chronic SCI: effects on functional walking ability and measures of subjective well-being. Hicks AL, Adams MM, Martin Ginis K, Giangregorio L, Latimer A, Phillips SM, McCartney N. *Spinal Cord* 2005 May; 43(5): 291-8.

Prevention of bone loss in paraplegics over 2 years with alendronate. Zehnder Y, Risi S, Michel D, Knecht H, Perrelet R, Kraenzlin M, Zach GA, Lippuner K. *J Bone Miner Res.* 2004 Jul; 19(7): 1067-74.

Antithrombotic therapy for venous thromboembolic disease. Kearon C, Kahn SR, Agnelli G, Goldhaber S, Raskob G, Comerata AJ. *American College of Chest Physicians Evidence-Based Clinical Practice Guidelines* (8th ed). *Chest* 2008; 133: 454-545.

Functional electrical stimulation after spinal cord injury: current use, therapeutic effects and future directions. Ragnarsson KT. (Sir Ludwig Guttman Lecture). *Spinal Cord* 2008; 46: 225-74.

STROKE

Strengthening to Promote Functional Recovery Poststroke: An Evidence-Based Review. Pak S, Patten C. *Stroke Rehabil* 2008;15(3):177–199.

Management of Adult Stroke Rehabilitation Care: A Clinical Practice Guideline. Duncan PW, Zorowitz R, Bates B, et al. *Stroke*. 2005;36:e100-e143.

Intramuscular neuromuscular electric stimulation for poststroke shoulder pain: a multicenter randomized clinical trial. Yu DT, Chae J, Walker ME, et al. *Arch Phys Med Rehabil* 2004; 85:695-704.

A randomized controlled comparison of upper-extremity rehabilitation strategies in acute stroke: a pilot study of immediate and long-term outcomes. Winstein CJ, Rose DK, Tan SM, et al. *Arch Phys Med Rehabil* 2004; 85:620-8.

Botulinum toxin type A for the treatment of the upper limb spasticity after stroke: a meta-analysis. Cardoso E, Rodrigues B, Lucena R, et al. *Arq Neuropsiquiatr* 2005; 63(1):30-33.

Assessment: Botulinum neurotoxin for the treatment of movement disorders (an evidence-based review): Report of the Therapeutics and Technology Assessment Subcommittee of the American Academy of Neurology. Jankovic J, Karp B, Ludlow CL, et al. *Neurology* 2008;70;1699-1706.

Functional Electrical Stimulation Improves Motor Recovery of the Lower Extremity and Walking Ability of Subjects With First Acute Stroke: A Randomized Placebo-Controlled Trial. Yan T, Hui-Chan CWY. *Stroke* 2005; 36;80-85.

Constraint-Induced Movement Therapy. Grotta JC, Noser EZ, Ro T, et al. *Stroke* 2004; 35:2699-2701.

Effects of Robot-Assisted Therapy on Upper Limb Recovery After Stroke: A Systematic Review. Kwakkel G, Kollen BJ, Krebs I. *Neurorehabilitation and Neural Repair* 2008; 22(2):111-121.

A Novel Functional Electrical Stimulation Treatment for Recovery of Hand Function in Hemiplegia: 12-Week Pilot Study. Knutson JS, Hisel TZ, Harley MY, Chae J. *Neurorehabilitation and Neural Repair* 2009; 23(1): 17 - 25.

Robot-Aided Neurorehabilitation: A Robot for Wrist Rehabilitation. Krebs HI, Volpe BT, Williams, D, et al. *Neural Systems and Rehabilitation Engineering, IEEE Transactions*. 2007;15(3):327-335.

Botulinum neurotoxin versus tizanidine in upper limb spasticity: a placebo-controlled study. Simpson DM, Gracies JM, Yablon SA, et al. *J. Neurol. Neurosurg. Psychiatry* 2009; 80:380-385.

Motor Cortex Stimulation for the Enhancement of Recovery from Stroke: A Prospective, Multicenter Safety Study. Brown JA, Lutsep HL, Weinand M, et al. *Neurosurgery* 2006; 58(3):464-473.

Neuroimaging of ischemic stroke with CT and MRI: advancing towards physiology-based diagnosis and therapy. Reza Hakimelahi; R. Gilberto González. *Expert Rev Cardiovasc Ther.* 2009 Jan;7(1):29-48.

Music listening enhances cognitive recovery and mood after middle cerebral artery stroke. Särkämö T, Tervaniemi M, Laitinen S, et al. *Brain.* Mar 2008;131:866-76.

Guidelines for prevention of stroke in patients with ischemic stroke or transient ischemic attack: a statement for healthcare professionals from the American Heart Association/American Stroke Association Council on Stroke: co-sponsored by the Council on Cardiovascular Radiology and Intervention: the American Academy of Neurology affirms the value of this guideline. Sacco RL, Adams R, Albers G, et al. *Stroke.* Feb 2006;37(2):577-617.

Guidelines for the early management of patients with ischemic stroke: 2005 guidelines update a scientific statement from the Stroke Council of the American Heart Association/American Stroke Association. Adams H, Adams R, Del Zoppo G, et al. *Stroke.* Apr 2005;36(4):916-23.

Guidelines for the early management of adults with ischemic stroke: a guideline from the American Heart Association/American Stroke Association Stroke Council, Clinical Cardiology Council, Cardiovascular Radiology and Intervention Council, and the Atherosclerotic Peripheral Vascular Disease and Quality of Care Outcomes in Research Interdisciplinary Working Groups: the American Academy of Neurology affirms the value of this guideline as an educational tool for neurologists. Adams HP Jr, del Zoppo G, Alberts MJ, Bhatt DL, Brass L, Furlan A, et al. *Stroke.* May 2007;38(5):1655-711.

Expansion of the Time Window for Treatment of Acute Ischemic Stroke With Intravenous Tissue Plasminogen Activator. A Science Advisory From the American Heart Association/American Stroke Association. Del Zoppo GJ, Saver JL, Jauch EC, Adams HP Jr. *Stroke.* May 28 2009.

Time management in acute vertebrobasilar occlusion. Kamper L, Rybacki K, Mansour M, et al. *Cardiovasc Intervent Radiol.* Aug 13 2008.

Comparison of warfarin and aspirin for symptomatic intracranial arterial stenosis. Chimowitz MI, Lynn MJ, Howlett-Smith H, et al. *N Engl J Med.* Mar 31 2005;352(13):1305-16.

Treatment of hyperglycemia in ischemic stroke (THIS): a randomized pilot trial. Bruno A, Kent TA, Coull BM, Shankar RR, Saha C, Becker KJ. *Stroke.* Feb 2008;39(2):384-9.

Anticoagulants for preventing recurrence following presumed non-cardioembolic ischaemic stroke or transient ischaemic attack. Sandercock PA, Gibson LM, Liu M. *Cochrane Database Syst Rev.* 2009 Apr 15;(2):CD000248. Review.

Effectiveness of thigh-length graduated compression stockings to reduce the risk of deep vein thrombosis after stroke (CLOTS trial 1): a multicentre, randomised controlled trial. , Dennis M, Sandercock PA, Reid J, Graham C, Murray G, Venables G, Rudd A, Bowler G. *Lancet.* 2009 Jun 6;373(9679):1958-65. Epub 2009 May 26.

The ACTIVE Investigators. Effect of clopidogrel added to aspirin in patients with atrial fibrillation. Connolly SJ, Pogue J, Hart RG, et al. *N Engl J Med.* 2009 Apr 3

Effect of constraint-induced movement therapy on upper extremity function 3 to 9 months after stroke: the EXCITE randomized clinical trial. Wolf SL, Winstein CJ, Miller JP, et al. *JAMA.* Nov 1 2006;296(17):2095-104.

Risk vs benefit of anti-thrombotic therapy in ischaemic stroke patients with cerebral microbleeds. Soo YO, Yang SR, Lam WW, et al. *J Neurol.* Nov 2008; 255(11):1679-86.

Statin therapy after first stroke reduces 10-year stroke recurrence and improves survival. Milionis HJ, Giannopoulos S, Kosmidou M, et al. *Neurology.* May 26 2009; 72(21):1816-22.

High-dose atorvastatin after stroke or transient ischemic attack. Amarenco P, Bogousslavsky J, Callahan A 3rd, et al. *N Engl J Med.* Aug 10 2006;355(6):549-59.

Aspirin in the primary and secondary prevention of vascular disease: collaborative meta-analysis of individual participant data from randomised trials. Antithrombotic Trialists' Att Collaboration. *Lancet.* May 30 2009; 373(9678):1849-1860.

Low-dose aspirin for primary prevention of atherosclerotic events in patients with type 2 diabetes: a randomized controlled trial. Ogawa H, Nakayama M, Morimoto T, et al. *JAMA.* 2008; 300:2134-2141.

PEDIATRIC REHABILITATION

Mechanisms, clinical presentations, injuries, and outcomes from inflicted versus noninflicted head trauma during infancy: Results of a prospective, multicentered, comparative study. Hymel KP, Makroroff KL, Laskey AL, Conaway MR, Blackman JA. PEDIATRICS Volume 119, Number 5, May 2007.

Upper-Limb prosthetics critical factors in device abandonment. Biddiss E, Chau T. Factors in Prosthesis Abandonment, December 2007.

Changes in the prevalence of cerebral palsy for children born very prematurely within a population-based program over 30 years. Robertson CMT, Watt MJ, Yasui Y. JAMA. 2007;297:2733-2740.

Proposed definition and classification of cerebral palsy. Bax M, Goldstein M, Rosenbaum P, MD, Leviton A, Paneth N. Developmental Medicine & Child Neurology 2005, 47: 571-576.

Clinical and MRI correlates of cerebral palsy. Bax M, Tydeman C, Flodmark O, M. JAMA, 2006;296:1602-1608.

A repeated course of constraint-induced movement therapy results in further improvement. Charles JR, Gordon AM. Developmental Medicine & Child Neurology 2007, 49: 770-773.

Prevalence of cerebral palsy in 8-Year-old children in three areas of the United States in 2002: A multisite collaboration. Yeargin-Allsopp M, Van Naarden Braun K, Doernberg NS, Benedict RE, Kirby RS, Durking MS. Pediatrics 2008;121;547-554 DOI: 10.1542/peds.2007-1270.

NEUROMUSCULAR AND MOTOR NEURON DISORDERS AND NEUROPATHIES

Post-Poliomyelitis Syndrome. Trojan DA, Cashman NR. Muscle Nerve. 2005; 31:6-19.

Neuromuscular complications of cancer and cancer treatments. Custodio CM. Phys Med Rehabil Clin N Am 2008; 19:27-45.

The role of exercise in Amyotrophic Lateral Sclerosis. Chen A, Montes J, Mitsumoto H. Phys Med Rehabil Clin N Am 2008; 19:545-557.

ELECTRODIAGNOSIS

The electrodiagnosis of cervical and lumbosacral radiculopathy. Tsao B. *Neurol Clin* - 01-MAY-2007; 25(2): 473-94.

The electrodiagnosis of neuropathy: basic principles and common pitfalls. Gooch CL. *Neurol Clin* - 01-FEB-2007; 25(1): 1-28.

Pudendal neuralgia, a severe pain syndrome. Benson JT. *Am J Obstet Gynecol* - 01-MAY-2005; 192(5): 1663-8.

Electrodiagnostic testing in neuromuscular disorders. Barboi AC. *Neurol Clin* - 01-AUG-2004; 22(3): 619-41.

Distal symmetric polyneuropathy: a definition for clinical research: report of the American academy of neurology, the American association of electrodiagnostic Medicine, and the American academy of physical medicine and rehabilitation. England JD - *Neurology* - 25-JAN-2005; 64(2): 199-207.

Mechanisms of neuromuscular dysfunction in critical illness. Khan J. *Crit Care Clin* - 01-JAN-2008; 24(1): 165-77.

Ulnar neuropathy at the elbow: follow-up and prognostic factors determining outcome. Beekman R. *Neurology* - 9-NOV-2004; 63(9): 1675-80.

MR neurography and muscle MR imaging for image diagnosis of disorders affecting the peripheral nerves and musculature. Filler AG. *Neurol Clin* - 01-AUG-2004; 22(3): 643-82, vi-vii.

Needle EMG in certain uncommon clinical contexts. American association of neuromuscular & electrodiagnostic medicine - *Muscle Nerve* - 01-MAR-2005; 31(3): 398-9.

American association of neuromuscular & electrodiagnostic medicine evidenced-based review: use of surface electromyography in the diagnosis and study of neuromuscular disorders. Meekins GD. *Muscle Nerve* - 01-OCT-2008; 38(4): 1219-24.

Ultrasound-guided needle EMG of the diaphragm: technique description and case report. Boon AJ. *Muscle Nerve* - 01-DEC-2008; 38(6): 1623-6.

Usefulness of electrodiagnostic techniques in the evaluation of suspected tarsal tunnel syndrome: an evidence-based review. Patel AT. *Muscle Nerve* - 01-AUG-2005; 32(2): 236-40.

Proper performance and interpretation of electrodiagnostic studies. American association of neuromuscular & electrodiagnostic medicine Muscle Nerve - 01-MAR-2006; 33(3): 436-9.

Needlestick injuries among electromyographers. Mateen FJ. Muscle Nerve - 01-DEC-2008; 38(6): 1541-5.

Needle electromyography. Daube J, Rubin D. Muscle & Nerve. Feb 2009 244-270.

A prospective, masked 18-month minimum follow-up on neurophysiologic changes in persons with spinal stenosis, low back pain, and no Symptoms. Haig A, Yamakawa K, Parres C, Chiodo A, Tong H. American Journal of Physical Medicine and Rehabilitation. Vol 1, February 2009. Pages 127-136.

Neuromuscular manifestations of critical illness. Bolton C. Muscle & Nerve 32: 140-163, 2005.

Differential diagnosis of myotonic disorders. Miller T. Muscle & Nerve 37: 293-299, 2008.

OCCUPATIONAL/INDUSTRIAL MEDICINE

Common musculoskeletal problems in the performing artist. Hansen PA, Reed K. *Phys Med Rehabil Clin N Am.* 17(4): 789-801, 2006.

Post-offer, pre-placement testing in industry. Harbin G, Olson J. *Am J Ind Med.* 47(4): 296-307, 2005.

Association between compensation status and outcome after surgery - A meta-analysis. Harris I, Mulford J, Solomon M, et al. *JAMA- Journal Of The American Medical Association* 293(13): 1644-1652, 2005.

Mild traumatic brain injury in U.S. Soldiers returning from Iraq. Hoge CW, McGurk D, Thomas JL, Cox AL, Engel CC, Castro CA. *N Engl J Med.* 358(5): 453-63, 2008.

Gender differences in the relations between work-related physical and psychosocial risk factors and musculoskeletal complaints. Hooftman WE, van Poppel MNM, van der Beek AJ, et al. *Scandinavian Journal Of Work Environment & Health* 30(4): 261-278, 2004.

Disparities in work-related injuries associated with worker compensation coverage status. Nicholson VJ, Bunn TL, Costich JF. *Am J Ind Med.* 51(6):393-8, 2008.

Factors affecting recovery from work-related, low back disorders in autoworkers. Oleske DM, Neelakantan J, Andersson GB, et al. *Archives Of Physical Medicine And Rehabilitation.* 85(8): 1362-1364, 2004.

Carpal tunnel syndrome and its relation to occupation: a systematic literature review. Palmer KT, Harris EC, Coggon D. *Occupational Medicine-Oxford* 57(1): 57-66, 2007.

Repetitive strain injury. van Tulder M, Malmivaara A, Koes B. *Lancet* 369(9575): 1815-1822, 2007.

Exercise proves effective in a systematic review of work-related complaints of the arm, neck, or shoulder. Verhagen AP, Karelis C, Bierma-Zeinstra SMA, et al. *Journal of Clinical Epidemiology* 60(2): 110-117, 2007.

Ergonomics, Musculoskeletal disorders and computer work. Wahlstrom J. *Occupational Medicine* 55(3): 168-176, 2005.

Hard work never hurt anyone: or did it? A review of occupational associations with soft

tissue musculoskeletal disorders of the neck and upper limb. Walker-Bone K, Cooper C. Annals Of The Rheumatic Diseases 64(10): 1391-1396, 2005.

Randomized controlled trial of nocturnal splinting for active workers with symptoms of carpal tunnel syndrome. Werner RA, Franzblau A and Gell AA Archives Of Physical Medicine And Rehabilitation 86: 1-7, 2005.

Disability, including prevention, management and rehabilitation. 58th World Health Assembly. Resolution R114. Geneva: World Health Organization; adopted May 2005.

CANCER REHABILITATION

Physical exercise in cancer patients during and after medical treatment : A systematic review of clinical and controlled trials. Knols R, Aaronson NK, et al. J Clin Oncol 2005; 23: 3830-42.

A meta-analysis of exercise interventions among people treated for cancer. Conn VS, Hafdahl AR, Porock DC et al. Support Care Cancer 2006; 14: 699-712.

OTHER REHABILITATION TOPICS

Multiple Sclerosis

Physical and cognitive functioning after 3 years can be predicted using information from the diagnostic process in recently diagnosed multiple sclerosis. Functional prognostication and disability (FuPro) study group. de Groot V, Beckerman H, Uitdehaag BM, Hintzen RQ, Minneboo A, Heymans MW, Lankhorst GJ, Polman CH, Bouter LM. Arch Phys Med Rehabil. 2009 Sep; 90(9):1478-88.

Evidenced-based cognitive rehabilitation for persons with multiple sclerosis: A review of the literature. Amanda R. O'Brien, Nancy Chiaravalloti, Yael Goverover, John DeLuca. Archives of Physical Medicine and Rehabilitation, Volume 89, Issue 4, April 2008, Pages 761-769.

The development and validation of the impact of multiple sclerosis scale and the symptoms of multiple sclerosis scale. Lindsay McMillan, Kathleen A. Moore. Archives of Physical Medicine and Rehabilitation, Volume 87, Issue 6, June 2006, Pages 832-841.

Exercise, functional limitations, and quality of life: A longitudinal study of persons with multiple sclerosis becker. Alexa K. Stuifbergen, Shelley A. Blozis, Tracie C. Harrison, Heather Archives of Physical Medicine and Rehabilitation, Volume 87, Issue 7, July 2006, Pages 935-943.

Primary care for persons with disabilities: access to assistive technology: Guidelines for the use of assistive technology evaluation, referral, prescription. American Medical Association. Available at: <http://www.ama-assn.org/ama1/pub/upload/mm/433/assistivetechology.pdf>

Assessing the benefits of assistive technologies for activities and participation. Scherer, M.J. & Glueckauf, R. Rehabilitation Psychology 2005, 50(2), 132-141.

Assistive technology for cognitive rehabilitation: State of the art. LoPresti EF, Mihailidis A, Kirsch N. Neuropsychological Rehabilitation, 14(1/2), 5-39, 2004.