

## **Pediatric Spinal Cord Injury Reading List Peer-Reviewed Manuscripts**

Allen D, Mulcahey MJ, Haley SM, DeVivo M, Vogel L, McDonald C, Duffy T, Betz R.(2009) Motor scores on the functional independence measure after pediatric spinal cord injury. *Spinal Cord*, 47(3); 213-217.

Anderson, C. J., Vogel, L. C. (2000) Preparation for employment in children and adolescents with spinal cord injuries. *Top Spinal Cord Inj Rehabil*, 6(suppl):170-175.

Anderson, C.J., Kelly, E.H., Klaas, S.J., Russell, H., Daharsh, E., & Vogel, L.C. (2009). Anxiety and depression in children and adolescents with spinal cord injuries. *Developmental Medicine & Child Neurology*, 51(10), 826-832.

Anderson, C. J., Vogel, L. C., Chlan, K. M., & Betz, R. R. (2008). Coping with spinal cord injury: Strategies used by adults who sustained their injuries as children or adolescents. *Journal of Spinal Cord Medicine*, 31(3), 290-296.

Anderson, C. J. & Vogel, L. C. (2006). Spinal Cord Injury. In J. E. Farmer, J. Donders, & S. Warschawsky (Eds). *Treating neurodevelopmental disabilities: Clinical research and practice*. (pp. 42-60). New York, NY, US: Guilford Press.

Anderson, C. J., Vogel, L. C., Betz, R. R., et al (2004). Overview of adult outcomes in pediatric-onset spinal cord injuries. *Journal of Spinal Cord Medicine*, 27(1), 98-106.

Anderson, C. J., Johnson, K. A., & Klaas, S. J., et al. (1998). Pediatric spinal cord injury: Transition to adulthood. *Journal of Vocational Rehabilitation Special Issue: Spinal Cord Injury*, 10 (2), 103-113.

Anderson, C., Klaas, S. J., Lubicky, J. P., & Vogel, L. C. (1998). Long-term outcomes and life satisfaction of adults who had pediatric spinal cord injury. *Archives of Physical Rehabilitation Medicine*, 79 (12), 1496-1503.

Anderson, C. (1997). Unique management needs of pediatric spinal cord injury patients: Psychosocial issues. *Journal of Spinal Cord Medicine*, 20, 21-24.

Anderson, C., Klaas, S. J., Lubicky, J, & Vogel, L. C. (1997). Long-term outcomes and life satisfaction in pediatric spinal cord injury: a model for children with chronic disabilities. *Developmental Medicine/Child Neurology*, 39(suppl. 75), 21.

Antle, B. J. (2004). Factors associated with self-worth in young people with physical disabilities. *Health & Social Work*. 29 (3), 167-75.

Augutis, M., Levi, R., Asplund, K., & Berg-Kelly, K. (2007). Psychosocial aspects of traumatic spinal cord injury with onset during adolescence: A qualitative study. *Journal of Spinal Cord Medicine*, 30(1), S55-S64.

Augutis M, Levi R. (2003). Pediatric spinal cord injury in Sweden- Incidence, etiology and outcome. *SPINAL CORD*, 41(6): 328-36.

Augutis M, Malaker H, Levi R. (2003). Pediatric spinal cord injury in Sweden-How to identify a cohort of rare events. *SPINAL CORD*, 41(6): 337-46.

Augutis M, Abel R, Levi R. (2006). Pediatric Spinal Cord Injury in a subset of European countries. *SPINAL CORD*, 44(2): 106-12.

Augutis, M & Anderson, CJ. (2011). Coping strategies recalled by young adults who sustained a spinal cord injury during adolescence. *SPINAL CORD*, (in press)

Betz RR, Mulcahey MJ, Gaughan J, Chafetz RS, Vogel LC, Samdani AF. (2011). Description of Sensory Preservation in Children and Adolescents with Incomplete Spinal Cord Injury, *J Spinal Cord med* 34:297-300.

Calhoun C, Riley A, Haley S, Mulcahey MJ. (2009). Item development for a new measure of activity performance and participation among children with spinal cord injury. *Int J Pediatric*, 2009:854904.

Calhoun C, Chafetz R, Mulcahey MJ. (2009). Discrepancy between severity obtained from examinations and classification conducted by experienced examiners and classifiers and documented severity in paediatric spinal cord injury. *Dev Neurorehabilitation*, 12(6);406-410.

Calhoun C, Chafetz R, Mulcahey MJ.(2009). A pilot study of observational motor assessment in infants and toddlers with spinal cord injury. *Pediatric Physical Therapy*, 21(1),62-70.

Chafetz R, Gaughan J, Mulcahey MJ. (2009). The international standards for neurological classification of spinal cord injury: Intra-rater reliability of ISCSCI motor and sensory scores in the pediatric population. *J Spinal Cord Medicine*, 32(2),157-161.

Chafetz R, Prak S, Mulcahey MJ. (2009). Computerized classification of neurological injury based on the international standards for classification of spinal cord injury. *J Spinal Cord med*,32(5);591-594.

Chaviano, A. H., Matkov, T.G., Anderson C. J., Mc Govern, P.A., Vogel, L.C. (2000). Mitrofanoff continent catheterizable stoma for pediatric patients with spinal cord injuries. *Top Spinal Cord Inj Rehabil*, 6 (suppl):30-35.

Chlan, K., Zebracki, K., Vogel, L. (2011). Spirituality and life satisfaction in adults with pediatric-onset spinal cord injury. *Spinal Cord*, 49, 371-375. doi:10.1038/sc.2010.80.

Dasch, K. B., Russell, H. F., Kelly, E. H., Gorzkowski, J. A., Mulcahey, M. J., Betz, R. R., & Vogel, L. C. (in press). Coping in caregivers of youth with spinal cord injury. *Journal of Clinical Psychology in Medical Settings*.

Devivo, M. J. & Vogel, L. C. (2004). Epidemiology of spinal cord injury in children and adolescents. *Journal of Spinal Cord Medicine*, 27(1), 4-10.

Dumas, H.M., Haley, S.M., Boyce, M.E., Peters, C.Y., & Mulcahey, M.J. (2009). Self-report measures of physical function for children with spinal cord injury: A review of current tools and an option for the future. *Developmental Neurorehabilitation*, 12(2), 113-118.

Garma, S., Kelly, E. H., Daharsh, E., & Vogel, L. C. (2011). Health-related quality of life after pediatric spinal cord injury. *Journal of Pediatric Psychology*, 36(2), 226-36. doi:10.1093/jpepsy/jsq037.

Gorman, C., Kennedy, P., & Hamilton, L. R. (1998). Alterations in self-perceptions following childhood onset of spinal cord injury. *Spinal Cord*, 36 (3), 181-5.

Gorski, J. A., Slifer, K. J., Townsend, V., et al (2005). Behavioral treatment of non-compliance in adolescents with newly acquired spinal cord injuries. *Pediatric Rehabilitation*, July-Sept; 8(3), 187-198.

Gorzkowski JA, Kelly EH, Klaas SJ & Vogel LC. (2010). Girls with spinal cord injury: social and job-related participation and psychosocial outcomes. *Rehabil Psychol*, 55(1), 58-67.

Gorzkowski JA, Kelly EH, Klaas SJ & Vogel LC. (in press). Obstacles to community participation among youth with spinal cord injury. *Journal of Spinal Cord Medicine*.

Hickey, K.J., Vogel, L.C., Willis, K.M., Anderson, C.J. (2004). Prevalence and etiology of autonomic dysreflexia in children with spinal cord injuries. *J Spinal Cord Med*, 27:S54-S60.

House, L. A., Russell, H. F., Kelly, E. H., Gerson, A., & Vogel, L. C. (2009). Rehabilitation and future participation of youth following spinal cord injury: Caregiver perspectives. *Spinal Cord*, 47(12), 882-886.

Hunter L, Chafetz R, Mulcahey MJ (2007). Development of the Shriners pediatric instrument for neuromuscular scoliosis (SPINS): A quality of life questionnaire for children with SCI. *J Spinal Cord Med*, 30(sup 1), S146-S149.

Johnson, K.A., Klaas, S. J., Vogel, L. C., & McDonald, C. (2004). Leisure

characteristics of the pediatric spinal cord injury population. *Journal of Spinal Cord Medicine*, 27, Suppl 1, S107-9.

Kelly, E. H., Anderson, C. J., Garma, S., Russell, H. F., Klaas, S. J., Gorzkowski, J. A., & Vogel, L. C. (2011). Relationships between the psychological characteristics of youth with spinal cord injury and their primary caregivers. *Spinal Cord*, 49, 200-205. doi:10.1038/sc.2010.78.

Kennedy, P., Gorsuch, N., & Marsh, N. (1995). Childhood onset of spinal cord injury: self-esteem and self-perception. *British Journal of Clinical Psychology*, 34(Pt 4), 581-8.

Kim H, Murphy N, Kim CT, Moberg-Wolff E & Trovato M. (2010). Pediatric rehabilitation: 5. Transitioning teens with disabilities into adulthood. *PM R*, 2(3), S31-7.

Klaas SJ, Kelly EH, Gorzkowski J, Homko E, & Vogel LC. (2010). Assessing patterns of participation and enjoyment in children with spinal cord injury. *Dev Med Child Neurol*, 52(5), 468-74.

Kozin, SH, D'Addesi L, Chafetz R, Ashworth S, Mulcahey MJ. (2010). Biceps-to-triceps for elbow extension in persons with tetraplegia. *J Hand Surg AM*, 35(6):968-975

Johnson T, Smith B, Mulcahey MJ, Betz RR, Lauer R. (2009). A randomized controlled trial on the effects of cycling with and without electrical stimulation on cardiorespiratory and vascular health in children with spinal cord injury. *Arch Phys Med Rehab*,90(8);1379-1399.

Lauer RT, Smith BT, Mulcahey MJ, Betz RR, Johnston T. (2011) Effects of cycling and/or electrical stimulation on bone mineral density in children with SCI. *Spinal Cord*, 49:917-923.

Lauer RT, Johnston TE, Smith BT, Mulcahey MJ, Betz RR, Maurer AH. (2007) "Bone Mineral Density of the Hip and Knee in Children with Spinal Cord Injury". *J Spinal Cord Medicine*, 30:S10-S14.

Massagli TL. (2000) Medical and rehabilitation issues in the care of children with spinal cord injury. *Phys Med Rehabil Clin N Am*, 11:169-182.

McGinnis, K.B., Vogel, L.C., McDonald, C.M., Porth, S., Hickey, K.J., Davis, M., Bush, P., Jenkins, D. (2004). Recognition and management of autonomic dysreflexia in pediatric spinal cord injury. *J Spinal Cord Med*, 27:S61-S74.

Merenda, L, Hickey, K. (2005). Key elements of bladder and bowel management for the child with spinal cord injury. *SCI Nursing*, 22 (1), 8-14.

Merenda, L., Brown, J. (2004). Bladder and bowel management for the child with spinal cord dysfunction. *The Journal of Spinal Cord Medicine*, 27 (suppl 1), S16-S23.

Merenda LA, Duffy T, Betz RR, Mulcahey MJ, Dean G, Pontari M. (2007). Outcomes Of Urinary Diversion In Children With Spinal Cord Injuries". *J Spinal Cord Med.* 30(1):S41-S47.

Mehta, S., Betz, R.R., Mulcahey, M.J., McDonald, C., Vogel, L.C., Anderson, C.J. (2004). Effect of bracing on paralytic scoliosis secondary to spinal cord injury. *J Spinal Cord Med*, 27:S88-S92.

Mohamed F, Hunter L, Barakat N, Chia-Shang J, Sair H Samdani A, Betz R, Faro S, Gaughan J, Mulcahey, MJ. (2011) Diffusion tensor imaging of the pediatric spinal cord at 1.5 T: preliminary results. *Am J Neuroradiol.* Feb;32(2):339-45. Epub 2011 Jan 13

Mortazavi MM, Mariwalla NR, Horn EM, Tubbs RS, Theodore N. (2011) Absence of MRI soft tissue abnormalities in severe spinal cord injury in children: case-based update. *Childs Nerv Syst.* Sep;27(9):1369-73.

Mulcahey MJ, Vogel L, Betz R, Samdani A, Chafetz R, Gaughan J. (2011) The International Standards for Neurological Classification of Spinal Cord Injury: Psychometric Evaluation and Guidelines for Use with Children and Youth. *Phys Med & Rehab*, 92: 264-1269.

Mulcahey, M. J. (1992). Returning to school after a spinal cord injury: perspectives from four adolescents. *American Journal of Occupational Therapy*, 46 (4), 305-12.

Mulcahey MJ, DiGiovanni N, Calhoun C, Homko E, Riley A, Haley S. (2010). Children's and Parents' perspectives of activity performance and participation following spinal cord injury. *Amer J Occupational Therapy*, 64(4),605-613.

Mulcahey MJ, Calhoun C, Riley A, Haley S. (2009) Children's reports of activity and participation after sustaining spinal cord injury: a cognitive interviewing study. *Developmental Neurorehabilitation* 12(4),191-200.

Mulcahey MJ, Gaughan J, Betz RR (2009). Agreement of ISCSCI scores at individual myotomes and dermatomes in youth with complete injuries. *Spinal Cord*, 47(1):56-61.

Mulcahey MJ, Gaughan J, Betz RR, Vogel L. (2007). Rater Reliability of the International Classification of Spinal Cord Injury Before and After Formal Training. *J Spinal Cord Medicine* 30(1), S146-S150.

Mulcahey, MJ, Gaughan J, Betz RR, Johanson K (2007). The international standards for neurological classification of SCI: reliability of data when applied to children and youth. *Spinal Cord*, 45; 452-459.

Nelson, V. S., Dixon, P. J., & Warschausky, S. A. (2004). Long-term outcome of

children with high tetraplegia and ventilator dependence. *Journal of Spinal Cord Medicine* 27(1), 93-97.

Nelson VS. (2000). Noninvasive mechanical ventilation for children and adolescents with spinal cord injuries. *Top Spinal Cord Inj Rehabil*, 6(suppl):12-15.

Oladeji O, Johnston TE, Smith BT, Mulcahey MJ, Betz RR, Lauer RT.(2007). Quality of Life in Children with Spinal Cord Injury. *Pediatr Phys Ther*, 19(4), 296-300.

Onders RP, Elmo MJ, Ignagni AR. (2007). Diaphragm pacing stimulation system for tetraplegia in individuals injured during childhood or adolescence. *J Spinal Cord Med* 30:S25-S29.

Pahys J, Mulcahey, MJ, Hutchinson D, Betz R. (2009). Scapular stabilization in patients with spinal cord injury. *J Spinal Cord Med*, 32(4);389-397.

Parent S, Mac-Thiong JM, Roy-Beaudry M, Sosa JF, Labelle H, (2011) Spinal cord injury in the pediatric population: a systematic review of the literature. *J Neurotrauma*. Aug;28(8):1515-24. Epub 2011 Jun 9.

Polk-Williams, A., Carr, B. G., Blinman, T. A., Masiakos, P. T., Wiebe, D. J., & Nance, M. L. (2008). Cervical spine injury in young children: A National Trauma Data Bank review. *Journal of Pediatric Surgery*, 43(9), 1718-1721.

Richards, J. S, Elliott, T. R., Cotliar, R., & Stevenson, V. (1995). Pediatric medical rehabilitation. In Roberts, M.C. (Ed), *Handbook of pediatric psychology (2nd ed.)*, pp. 703-722. New York: Guilford Press.

Sadowsky, C., Pidcock, F. S., Brandys, E., Morozova, O., Trovato, M. K., Salorio, C., & Christensen, J. (2008). Acquired spinal cord dysfunction. In P. J. Accardo (Ed.), *Capute and Accardo's neurodevelopmental disabilities in infancy and childhood (3rd ed., pp. 639-650)*. Baltimore, MD: Paul H Brookes Publishing.

Samdani A, Chafetz R, Vogel LC, Betz RR, Gaughan JP, Mulcahey MJ. (2011). The International Standards for Neurological Classification of Spinal Cord Injury: Relationship between S4-5 dermatome testing and Anorectal Testing. *Spinal Cord*; 49:352-356. (2 November 2010) | doi:10.1038/sc.2010.144).

Samdani A, Rutter L, Betz R, Mulcahey MJ (2010). Vision loss after spinal fusion for scoliosis in a child with a spinal cord injury. *J Spinal Cord Med.*, 32(5);591-594.

Samdani A, Fayssoux R, Ashgar J, McCarthy J, Betz RR, Gaughan J, Mulcahey MJ. (2009). Chronic spinal cord injury in the pediatric population: Does magnetic resonance imaging correlate with the international standards for neurological classification of spinal cord injury examination? *Spine*,34(1):74-81.

Sison-Williamson M, Bagley A, Hongo A, Vogel LC, Mulcahey MJ, Betz RR, McDonald CM.(2007). Effect Of Thoracolumbosacral Orthoses On Reachable Workspace Volumes In Children With Spinal Cord Injury”. *J Spinal Cord Med.* 30(1):S184-S191.

Schottler J, Vogel L, Chafetz RS, & Mulcahey MJ. (2010). Patient and caregiver knowledge of severity of injury among youth with spinal cord injury. *Spinal Cord*, 48(1), 34-8.

Schottler J, Vogel L, Chafetz R, & Mulcahey MJ. (2009). Patient and caregiver knowledge of autonomic dysreflexia among youth with spinal cord injury. *Spinal Cord*, 47, 681-686.

Shavelle RM, DeVivo MJ, Vogel LC, Strauss DJ, Paculdo DR. (2007). Long-term survival after childhood spinal cord injury. *J Spinal Cord Med*, 30:S48-54.

Vogel, L. C., Hickey, K. J., Klaas, S. J., et al (2004). Unique issues in pediatric spinal cord injury. *Ortho Nursing*, 23(5):300-308; quiz 309-310.

Vogel, L. C. & Anderson, C. J. (2003). Spinal cord injuries in children and adolescents: a review. *Journal of Spinal Cord Medicine.* 26 (3), 193-203.

Vogel L, Samdani A, Chafetz R, Gaughan J, Betz RR, Mulcahey MJ. (2009). Intra-rater reliability of the anorectal examination and classification of injury severity in children with spinal cord injury. *Spinal Cord*.47(9),687-691.

Vogel LC, Chlan KM, Zebracki K, Anderson CJ. (2011) Long term outcomes of pediatric SCI as a function of neurological level. *J Spinal Cord Med.* 34(1):60-6.

Vogel, L.C., Betz, R.R., Mulcahey, M.J. (2010). Spinal Cord Disorders in Children and Adolescents. In: Lin V, ed. *Spinal Cord Medicine Textbook, Second Edition.* Spinal. Demos, New York, New York, 595-622.

Vogel, L.C., Lubicky, J.P. (2001). Lower extremity compartment syndrome in an adolescent with a spinal cord injury. *J Spinal Cord Med*, 24:278-283.

Vogel L.C., Anderson C.J. (2011). The Spinal Cord. In Davis AS, ed. *Handbook of Pediatric Neuropsychology.* Springer, New York, New York, 109-120.

Vogel, L.C., Betz, R.R., Mulcahey, M.J. (in press) Pediatric Spinal Cord Disorders. In: Kirshblum, S, Campagnolo, D.I., DeLisa, J.A., eds. *Spinal Cord Medicine.*

Vogel LC, MD; Mendoza MM, Schottler JC, Chlan KM, Anderson CJ. (2007)/ Ambulation in children and youth with spinal cord injuries. *J Spinal Cord Med*, 30:S158-164.

Vogel, L.C., Anderson, C.J. (2002). Self-injurious behavior in children and adolescents with spinal cord injuries. *Spinal Cord*, 40:666-668.

Winthrop, A. L., Brasel, K.J., Stahovic, L., Paulson J., Schneeberger, B., & Kuhn, E. M. (2005). Quality of life and functional outcome after pediatric trauma. *Journal of Trauma-Injury Infection & Critical Care*, 58(3), 468-73.

Zebracki, K., Anderson, C., Chlan, K., & Vogel, L. (2010). Outcomes of adults with pediatric-onset spinal cord injury: Longitudinal findings and implications on transition to adulthood. *Topics in Spinal Cord Injury Rehabilitation*, 16(1), 17-25.

### **Journal Supplements and Special Issues**

The Journal of Spinal Cord Medicine 2007; Volume 30 Supplement 1: Pediatric SCI Supplement is a compendium of articles and abstracts from the 2006 Howard H. Steel Conference: Injuries and Dysfunctions of the Spinal Cord in Children.

The Journal of Spinal Cord Medicine 2004; Volume 27 Supplement 1: Pediatric SCI Supplement is a compendium of articles and abstracts from the 2003 Howard H. Steel Conference; Injuries and Dysfunctions of the Spinal Cord in Children.

Topics in Spinal Cord Injury Rehabilitation Summer 2000; Volume 6 Supplement: Howard H. Steel Conference on Pediatric Spinal Cord Injury December 3-5, 1999, supplement editors Lawrence C. Vogel and Randal R. Betz. Various authors

Topics in Spinal Cord Injury Rehabilitation Fall 1997 Volume 5; Number 2. Pediatric Issues, issue editor Lawrence C. Vogel.

### **Text Book**

The child with a spinal cord injury (1996). Editors; Randal R. Betz & M. J. Mulcahey. Rosemont, IL: American Academy of Orthopedic Surgeons in collaboration with Shriners Hospitals for Children.