

**EDUCATION:**

1969 Northwestern University, B.A. with Distinction  
1973 University of Illinois, M.D.  
1973-1976 Intern and Resident, Pediatrics, Yale New Haven Hospital  
1976-1978 Fellow, Pediatric Infectious Diseases, Michael Reese Hospital and Medical Center and University of Chicago, Chicago

**HOSPITAL APPOINTMENTS:**

1978-1979 Associate Attending Physician, Department of Pediatrics, Michael Reese Hospital and Medical Center  
1979 Assistant Program Director of Pediatrics, Mercy Hospital and Medical Center  
1980 Program Director of Pediatrics, Mercy Hospital and Medical Center  
1979-1980 Consulting Pediatrician, Shriners Hospitals for Children  
1981-2017 Chief of Pediatrics, Shriners Hospitals for Children  
2017-current Emeritus Chief of Pediatrics, Shriners Hospitals for Children  
2005-current Emeritus Assistant Chief of Staff, Shriners Hospitals for Children  
2016-2016 Interim Chief of Staff, Shriners Hospitals for Children  
1988-1998 Consulting Pediatrician, Marianjoy Rehabilitation Center  
1992-2000 Consulting Pediatrician, Loyola University Hospital  
1996-2000 Consulting Pediatrician, Children's Memorial Hospital

**ACADEMIC APPOINTMENTS:**

1978-1979 Assistant Professor of Pediatrics, Pritzker School of Medicine, University of Chicago  
1979-1986 Assistant Professor of Pediatrics, ALSM, University of Illinois  
1987-1998 Assistant Professor of Pediatrics, Rush Medical College  
1999-2006 Associate Professor of Pediatrics, Rush Medical College  
2006-2018 Professor of Pediatrics, Rush Medical College  
2015-2018 Adjunct Professor of Biomedical Engineering, Marquette University

**LICENSURE:** Illinois, 1976

**CERTIFICATION:** American Board of Pediatrics, 1978, 1990, 2010  
National Board of Medical Examiners, 1974  
Spinal Cord Injury Medicine Subspecialty, 1998, 2008, 2018  
Life Care Planning Pre-Certification, University of Florida, 2012  
Certified Life Care Planner, ICHCC, 2012, 2017

**HONORS:** Alpha Omega Alpha, 1971  
James J. Peters Distinguished Service Award and Lectureship, 2013

American Spinal Injury Association Life Time Achievement Award, 2016  
American Congress of Rehabilitation Medicine, Pediatric Rehabilitation Award  
Lecture 2016  
Estin Comarr Award for Distinguished Clinical Service, 2017  
Fellow American Spinal Injury Association, 2018  
Jayanthi Lecturer, Academy of Spinal Cord Injury Professionals, 2019

**SOCIETIES:**

American Academy of Cerebral Palsy and Developmental Medicine  
American Academy of Pediatrics  
American Paraplegia Society/ASCIP  
American Spinal Injury Association  
Institute of Medicine of Chicago  
International Spinal Cord Society  
International Association of Rehabilitation Professionals

**EDUCATIONAL:**

**Instructional Courses on Pediatric Spinal Cord Injuries**

1. American Academy of Cerebral Palsy and Developmental Medicine Annual Meeting, Instructional courses on Pediatric Spinal Cord Injury have been Presentation annually from 1993-2006, 2008, 2013, 2015 (September 2001 cancelled). (Course Director 1999-2006, 2013, 2015)
2. American Paraplegia Society Annual Meeting 1996, course director and Presentation of Unique Management needs of Pediatric SCI Patients
3. American Paraplegia Society Annual Meeting 2000, course director and Presentation of Pediatric Spinal Cord Injury Symposium
4. American Spinal Injury Association Annual Meeting, instructional courses Presentation 1994, 1995, 1996, 1998, 1999, 2003, 2011, 2012, 2019
5. American Association of Spinal Cord Injury Psychologists and Social Workers. Symposium 2002
6. Shriners Hospitals for Children SCI Symposia:
  - a. The Child with a Spinal Cord Injury Symposium, Phoenix, 1994
  - b. Philadelphia, 1995
  - c. Sacramento, 1997
  - d. Course Chairman: The Howard H. Steel Conference on Pediatric Spinal Cord Injury: Contemporary Principles and New Directions. December 3-5, 1999. Rancho Mirage, CA
  - e. Course Chairman: The Howard H. Steel Conference on Injuries and Dysfunction of the Spinal Cord in children. December 7-9, 2003, Orlando, FL
  - f. Course Chairman: The Howard H. Steel Conference on Injuries and Dysfunction of the Spinal Cord in children. November 29 - December 2, 2006. Orlando, FL
  - g. Course Chairman: The Howard H. Steel Conference on Injuries and Dysfunction of the Spinal Cord in Children. December 2 - December 5, 2009. Orlando, FL
  - h. Course Chairman: The Howard H. Steel Conference on Injuries and Dysfunction of the Spinal Cord in Children. November 28 - December 1, 2012. Orlando, FL
7. American Congress of Rehabilitation Medicine annual meeting, October 1, 2005
8. International Spinal Cord Society
  - a. Workshop on Management of SCI in Children, Chair and Presentation. Annual meeting October 21, 2009, Florence Italy.
  - b. Vogel, L., Zebracki, K., Mulcahey, M., Betz, R., & Graham, A. (September 3-5, 2012).

Review of current recommended treatment and management practices of children and adolescents with a spinal cord injury. Symposium at the 51<sup>st</sup> Annual Scientific Meeting of the International Spinal Cord Society, London, UK.

- c. Vogel, L., Zebracki, K., Mulcahey, M., Betz, R., (2014). Comprehensive interprofessional approach to management of pediatric spinal cord injury, Workshop at the 53rd Annual Scientific Meeting of the International Spinal Cord Society, Maastricht, Netherlands.
- d. Vogel, L., Zebracki, K., Mulcahey, M., Betz, R., (September 24-26, 2017). Comprehensive interprofessional approach to management of pediatric spinal cord injury, Workshop at the 53rd Annual Scientific Meeting of the International Spinal Cord Society, Dublin, Ireland
9. Gait and Clinical Movement Analysis Society. Locomotor training therapy for children with cerebral palsy and spinal cord injury. May 2012. Grand Rapids, Michigan.
10. Course Co-Chairman: The Howard H. Steel Conference on Injuries and Dysfunction of the Spinal Cord in Children. Sydney Australia. September 12, 2018.

#### **Other Instructional Courses/Workshops**

1. Scoliosis Research Society, 2002
2. Creating synergy between providers: how to create a medical home for children and youth with cerebral palsy. 2008 Annual Meeting of AACPD, Atlanta, GA.
3. American Spinal Injury Association Annual Meeting; Pre-course State of Science Conference. 2013, Chicago, IL.
4. The National Institute for Neurological Disorders and Stroke (NINDS) Common data elements (CDEs) for spinal cord injury; Development and future use. American Spinal Injury Association/ International Spinal Cord Injury Society. Montreal, Canada. May 2015.

#### **Spinal Cord Medicine**

1. An Intensive Review (Board Review Course): 1998-2004, 2009-2011, 2013, 2014-2019

#### **Board Examination Question Writer**

1. Spinal Cord Injury Subspecialty Exam, Physical Medicine and Rehabilitation, 1996

#### **Doctoral Dissertation (PhD) Opponent (Examiner)**

1. Karolinska Institutet, Stockholm, Sweden, March 30, 2007

#### **Midwest Clinical Conference**

1. Moderator of Pediatric Program, 1994

#### **Lectures/ Grand Rounds**

1. Annual lecture to Rush occupational therapy students, 1990-1998
2. Midwest Clinical Conference, 1991
3. Pediatric Grand Rounds at Rush, 1992
4. The Shriners Hospitals-Chicago Experience with Latex Allergy. Sofield Lectures, Presentation, Chicago, 1993
5. Ambulation in the Pediatric Spinal Cord Injury Population. Sofield Lectures, Presentation, Chicago, 1993
6. National Spinal Cord Injury Association, Annual meeting, Chicago 1993
7. Krehbiel Memorial Lectures, 1994
8. Orthopaedic Nurses Association, Chicago Chapter 1995
9. Pediatric Grand Rounds at Ravenswood Hospital 1995
10. Pediatric Grand Rounds at Columbus Hospital 1996

11. Specialty Review in Orthopaedic Surgery, The National Center for Advanced Medical Education, 1997
12. Pediatric Grand Rounds at Rush, 1997
13. Annual CHOICES meeting, Chicago 1998
14. National Spinal Cord Injury Association, Annual Meeting, Oak Brook 1998
15. Plenary presentation. Annual meeting American Academy of Pediatrics, 1999
16. Schwab Rehab Hospital, Lecture September 2000-2003, 2005, 2008-2009
17. Pediatric Grand Rounds at Loyola University, October 2000
18. Pediatric Grand Rounds at Rush, December, 2000
19. Visiting Professor Lecture at Chicago Physical Medicine and Rehabilitation Residents' Program January, 2001
20. NACHRI 2002 Innovation Workshop Series. Improving care for children with special health care needs. Transitioning from pediatric to adult care. April 25-26, 2002. Arlington, Virginia
21. Illinois Association of Respiratory Therapist, Annual Meeting 2002, Plenary session talk
22. Sofield Lectures, Chicago, 2002, 2005-2007
23. Physical Disabilities through the Lifespan Conference, National Institute of Health, July 21-22, 2003, Bethesda, Maryland
24. Outcomes of adults with pediatric-onset SCI. Evidence-Based Practice and Outcomes Research in Pediatric Rehabilitation, Orlando, Florida Dec 6, 2003
25. Invited Guest Faculty: The Sixth Annual UNM Carrie Tingley Hospital Rehabilitation Conference 2005; Selected Topics in the management of spinal cord injury/dysfunction in children. June 10-11, 2005
26. Visiting Professor at Queens University (Kingston, Ontario) Interurban Spinal Cord Injury Conference (Sep 15-16, 2005)
27. Invited speaker at the American Academy of Pediatrics Super CME Program. "The low down on high tech gadgets for children with special health care needs". Washington DC, April 26-29, 2006
28. Invited speaker at 2007 annual American Spinal Injury Association meeting on "Nontraumatic SCI in children" Tampa
29. Shriners Hospitals for Children Surgeons Meeting. Presentation. Santa Monica, CA 2007
30. Rush Physical Medicine & Rehabilitation residents. May 2008, Chicago
31. Grand Rounds at Philadelphia Shriners Hospital October 2008
32. Practical Partnerships at the annual meeting of the American Academy of Pediatrics 2008 (Christopher J Stille and Lawrence C Vogel)
33. Loyola Physical Medicine & Rehabilitation residents. April 2009, Chicago
34. Rush Physical Medicine & Rehabilitation residents. April 2009, Chicago
35. Osteogenesis Imperfecta Workshop Proceedings, April 2009
36. A look back at the Howard H. Steel Symposia: Where have we come and what have we learned about pediatric SCI? Keynote speech at the Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009
37. Visiting Professor at Carolinas Hospital, Dept. PMR, April 2010
38. Rush Physical Medicine & Rehabilitation residents. October 2010, Chicago
39. Keynote speaker at Spine Care Foundation Pediatric SCI seminar March 10-11, 2011. Sydney, Australia
40. Rush Physical Medicine & Rehabilitation residents. October 2011, Chicago
41. Anatomy and medical complications of spinal cord injuries (November 3, 2011). Lecture for doctoral students, Neuropsychology, Loyola University Chicago, IL
42. Keynote speaker at the 5<sup>th</sup> Coloplast symposium for current topics on spinal cord injuries, November 26, 2011, Copenhagen, Denmark.
43. Loyola Physical Medicine & Rehabilitation residents. May 1, 2012, Chicago.

44. Insurance Rehabilitation Study Group 47<sup>th</sup> Annual Conference. Nashville, TN. Clinical Practice Guidelines: sexuality and Reproductive Health in Adults with Spinal Cord Injuries. Keynote Speaker. May 21, 2012.
45. Workshop Speaker. Revisions on Clinical Practice Guidelines; Pressure ulcer prevention and treatment following SCI and prevention of thromboembolism in SCI. PVA Summit 2012. September 2012, Las Vegas Nevada
46. Keynote speaker at The Alyn Rehabilitation Hospital Symposium. September 14, 2012. Jerusalem, Israel.
47. Loyola University Medicine College, Pediatric Grand Rounds: Pediatric SCI. October 30, 2012.
48. Distracted Driving Summits: Chicago 2011, San Antonio and Tampa 2012
49. Rush University/Stroger Hospital Pediatric Grand Rounds: Pediatric SCI. January 8, 2013.
50. Lutheran General Hospital Pediatric Grand Rounds: Pediatric SCI. February, 19, 2013.
51. Keynote Speaker at 24<sup>th</sup> National Physical Medicine and Rehabilitation Congress March 2013, Antalya, Turkey.
52. Medical College of Wisconsin, visiting professor Dept PMR August 2, 2013.
53. Workshop Speaker. Revisions on Clinical Practice Guidelines; Pressure ulcer prevention and treatment following SCI. PVA Summit 2013. August 2013, Orlando Florida.
54. James J Peters Lecture. Academy Spinal Cord Injury Professionals 2013, Las Vegas, NV.
55. Primary prevention of spinal cord injury. Academy Spinal Cord Injury Professionals 2013, Las Vegas, NV (Klaas S, Poduri KR, Vogel, LC).
56. Keynote speaker 2013 Back Care Forum; Carle Clinic; September 19, 2013; Champaign, IL.
57. Workshop speaker. 2013 RERC precourse at American Academy Cerebral Palsy Developmental Medicine Annual Meeting; Milwaukee, WI
58. Speaker at the IARP Forensic 2013 Conference. Charleston, SC.
59. Speaker at the 4th Annual ABC Conference; Making systems work across the lifespan for children with special needs. "Pediatric spinal cord injuries: transitioning through the lifespan." Palos Hills, IL November 22, 2013.
60. Keynote speaker at the 2<sup>nd</sup> International symposium on autonomic dysfunctions following spinal cord injury. "Autonomic dysfunctions in children" Vancouver BC Canada November 27, 2013.
61. Grand rounds LaRabida Hospital. January 2014
62. Federation of Spine Associations Specialty Day. Focus on Pediatric and Adolescent SCI. American Academy of Orthopaedic Surgeons. New Orleans, LA March 2014.
63. Schwab Rehab Hospital Physical Medicine and Rehabilitation Resident Lecture – March 27, 2014.
64. Rush University Physical Medicine and Rehabilitation Resident Lecture – April 11, 2014
65. RESNA symposium presenter – June 14, 2014.
66. Workshop Speaker. Revisions on Clinical Practice Guidelines; Pressure ulcer prevention and treatment following SCI. PVA Summit 2013. August 2014, Las Vegas, Nevada.
67. Pediatric Symposium Northwest Community Healthcare: Aging of youth with special needs: transition to adulthood and beyond. October 29, 2014.
68. World Congress for NeuroRehabilitation. Spinal Cord Injuries in Youth: Management Through the Life Span. Philadelphia, PA May 11, 2016.
69. American Congress of Rehabilitation Medicine, Pediatric Rehabilitation Award Lecture 2016.
70. Grand Rounds at Thomas Jefferson University, Department of Physical Medicine and Rehabilitation July 2017.
71. Schwab Rehab Hospital Physical Medicine and Rehabilitation Resident Lecture – March

- 2018.
72. Lecture at 43rd Annual Interdisciplinary Spinal Cord Injury/Disease Course at the Shirley Ryan AbilityLab on June 4, 2020. Outcomes in adults with pediatric onset spinal cord injury.

#### **American Academy of Pediatrics**

1. Medical Home Initiatives for Children with Special Needs
  - a. Every child deserves a Medical Home: Facilitator
  - b. Training Manual: Co-author of Component 4
  - c. Member of Screening Component Committee 2001-2002.

#### **Journal Reviewer.**

1. *Archives of Physical Medicine and Rehabilitation*
2. *Spinal Cord*
3. *Quality of Life Research*
4. *Journal of Spinal Cord Medicine*
5. *Journal of Neurorehabilitation and Neural Repair*
6. *Journal of Urology*

#### **Editorial Board**

1. *Journal of Spinal Cord Medicine* 2001-2011 (Associate Editor 2007-2011)
2. *Topics in Spinal Cord Injury Rehabilitation* (Editor-in Chief 2016-; Associate Editor 2011-2015)

#### **Editor**

1. Issue Editor of *Topics in Spinal Cord Injury Rehabilitation: Pediatric SCI* Fall, 1997
2. Issue Editor of "The Howard H. Steel Conference on Pediatric Spinal Cord Injury" Supplement of *Topics in Spinal Cord Injury Rehabilitation* Summer 2000
3. Issue Editor of "The Howard H. Steel Conference on Injuries and Dysfunction of the Spinal Cord Injury in Children." Supplement of *Journal of Spinal Cord Medicine*, 2004
4. Issue Editor of "The Howard H. Steel Conference on Injuries and Dysfunction of the Spinal Cord Injury in Children." Supplement of *Journal of Spinal Cord Medicine*, 2007
5. Issue Editor of *Topics in Spinal Cord Injury Rehabilitation: Spinal Cord Injury Prevention* Winter, 2013.
6. Chhabra HS (Ed.), ISCoS Textbook on Comprehensive Management of Spinal Cord Injuries. Wolters Kluwer, Alphen aan den Rijn, the Netherlands.

#### **Grant Reviewer**

1. Paralyzed Veterans of America
2. Department of Defense (2010, 2011, 2012, 2015, 2016)
3. The Craig H. Neilsen Foundation (2012)

#### **Federal Programs**

1. Planning Committee Member of 2010 Express for Children with Special Healthcare Needs and Their Families, 2001
2. Physical Disabilities through the Lifespan Conference, National Institute of Health, 2003
3. Stakeholders Meeting for Department of Defense Congressionally Directed Medical Research Programs SCI Research Program, 2009
4. NICHD meeting on obesity in children and adolescents with physical or intellectual disabilities, 2010

5. National Institute for Neurological Disorders and Stroke (NINDS) Common Data Elements committee for pediatric spinal cord injury. Co-Chair. 2015.
6. The National Academies of Science, Engineering and Medicine, Board of the Health of Select Populations; Committee on the Use of Selected Assistive Products and Technologies in Eliminating or Reducing the Effects of Impairments. 2016.

## **ADMINISTRATION**

### **A. Shriners Hospitals for Children, Chicago**

1. Medical Director of the Pediatric Intensive Care Unit, 1980-1998
2. Medical Director of the Spinal Cord Injury Program, 1983-current
3. Secretary of the Medical Executive Committee, 1987-current
4. Chairman, Pharmacy and Therapeutics Committee, 1987-current
5. Chairman Infection Control Committee, 1978-current
6. Board of Governors of the Chicago Unit
  - i. Quality Management Committee, Medical Staff representative
7. Joint Conference (Board of Governors Chairman, Chief of Staff, Hospital Administrator, Nurse Executive) Medical Staff representative 1997- 2000
8. Member of Quality Council, 1987-current
9. Chairman of Institutional Review Board, 1980-2008

### **B. Activities at National Level of Shriners Hospitals for Children**

1. Member of the Steering Committee for CHOICES (Children's Health Care Options Improved through Collaborative Efforts and Services) and CHOICES Transition Project, 1994-current
  - i. This was a joint effort between state Title V agencies (CSHCN) and Shriners Hospitals funded jointly by the MCHB and the Shriners Hospitals.
2. Member of Shriners Hospitals Task Force for a collaborative project with the AAP and their Medical Home Project, 1997-1999
3. Shriners Hospitals for Children's Exhibit at Annual AAP meetings, 1988-current
4. Member of Shriners Hospitals' work groups and Business Information Group for Shriners Hospitals for Children Information Systems (SHCIS), 1999
5. Shriners Hospitals for Children Information System - Clinical Advisory Group, 1999
6. Member of Focus task force for SHC Dashboard Development (Benchmarking), 2001
7. Chairman, Spinal Cord Injury Clinical Advisory Group 2002-2012
8. Member of System Efficiency Committee, 2003
9. Medical Affairs Leadership Council, 2007-current
10. Corporate Pharmacy and Therapeutics Committee; co-chair
11. Member of the Physician Practice Subcommittee, 2010
  - i. Inpatient Rehabilitation Task Force, 2010
  - ii. Physician Outpatient Documentation Work Group, 2010

### **C. Illinois Chapter of National Spinal Cord Injury Association**

1. Board of Directors, 1992-1998
2. Secretary of Board of Directors, 1995.

### **D. Chicago Pediatric Society**

1. Executive Committee, 1991-2000
2. President, 1997-1998

- E. Chicago Medical Society**
  - 1. Councilor (representing Chicago Pediatric Society) 1996-1998
  - 2. CME committee, 1996-1998
  
- F. Illinois Chapter American Academy of Pediatrics**
  - 1. Committee on Children with Disabilities
    - a. Member, 1990-current
    - b. Co-chairman, 1997- 2002
  - 2. Illinois Chapter AAP, Executive Committee, 1998-2002
  
- G. American Paraplegia Society**
  - 1. Board of Directors, 1998-2011
  - 2. Treasurer/secretary, 2003-2005
  - 3. President elect, 2005-2007
  - 4. President, 2007-2009
  - 5. Past President 2009-2011
  
- H. American Spinal Injury Association**
  - 1. Membership Committee 2000- 2011
  - 2. Board of Directors 2003-2015
  - 3. Secretary/Treasurer 2009-2010
  - 4. President-elect 2010-2011
  - 5. President 2011-2013
  - 6. Past President 2013-2015
  - 7. Nominating Committee 2013-2015
  - 8. Pediatric Committee 2009-current
  
- I. Consortium for Spinal Cord Medicine**
  - 1. Steering Committee Member: 2004-2014
  - 2. Vice Chairman Steering Committee: 2005-2006
  - 3. Chairman Steering Committee: 2007- 2014
  - 4. Clinical Practice Guidelines Development Panel
    - i. Acute Management of Autonomic Dysreflexia- second edition. Clinical Practice Guidelines Development Panel, 1999-2001.
    - ii. Prevention of venous thromboembolism in individuals with spinal cord injury- third edition. Clinical Practice Guidelines Development Panel, 2016
    - iii. Acute Management of Autonomic Dysreflexia- second edition. Clinical Practice Guidelines Development Panel, 2017
    - iv. Evaluation and Management of Autonomic Dysreflexia and Other Autonomic Dysfunctions: Preventing the Ups and Lows. Clinical Practice Guidelines Development Panel, 2020.
  
- J. International Spinal Cord Injury Data Set (International Spinal Cord and American Spinal Injury Association)**
  - 1. Executive steering committee, 2002-ongoing
  
- K. International Spinal Cord Society**
  - 1. Council Member, 2009-2014
  
- L. Illinois Emergency Medical Services for Children**



1. Advisory Board, 1999-2002

**M. Rush Medical College**

1. Member of IRB, 2008- current

**N. Illinois Spina Bifida Association**

1. Member of Professional Advisory Committee, 2011- current

**RESEARCH**

**Grant funding**

1. 1997-1998. FDA trial of an implantable functional neuromuscular stimulation system for the upper extremity that was being conducted by the three Shriners SCI programs. (Co-Investigator)
2. 1998-2000. Long-term Outcomes and Life Satisfaction of Children and Adolescents with Spinal Cord Injuries, Shriners Hospitals for Children. (Primary Investigator; PI).
3. 2001-2003. Long Term Outcomes and Life Satisfaction of Adults with Adolescent Onset SCI, Shriners Hospitals for Children (PI).
4. 2001-2003. Long Term Outcomes and Life Satisfaction for Adults with Childhood Onset SCI, Shriners Hospitals for Children (PI).
5. 2004-2006. Long Term Outcomes and Life Satisfaction for Adults with Pediatric-Onset SCI, Shriners Hospitals for Children (PI).
6. 1998-2009. Providing young adolescents with disabilities, work experience and guidance toward adulthood. Transition program grant from Shriners Hospitals for Children. (Co-PI).
7. 2001-2002. Progressive spinal deformity in pediatric SCI: natural history, functional impact, and effect on self-appraised quality of life. Planning project-Clinical outcomes study, Shriners Hospitals for Children. (Co-PI).
8. 2004-2008. Treatment of progressive spinal deformity in pediatric SCI: Natural history, functional impact, and effect on self-appraised quality of life. Clinical outcomes study, Shriners Hospitals for Children. (Co-PI).
9. 2005-2008. Activity and participation of children with cerebral palsy: development of a longitudinal multi-site clinical outcomes study. Shriners Hospitals for Children. (Co-PI).
10. 2006-2008. Multi-center project: the International Standards for Neurological Classification of Spinal Cord Injury: Reliability testing when applied to children and youth. Shriners Hospitals for Children. (Co-PI).
11. 2007-2011. Long Term Outcomes and Life Satisfaction for Adults with Pediatric-Onset SCI, Shriners Hospitals for Children (PI).
12. 2012-2015. Long Term Outcomes and Life Satisfaction for Adults with Pediatric-Onset SCI, Shriners Hospitals for Children (Co-I).
13. 2007-2011. Relationship between social participation, quality of life, and psychosocial factors of children and adolescents with spinal cord injuries and their caregivers (Co-PI 2007; PI 2008-2010).
14. 2007-2010. Development and validation of computer adaptive assessment activity, performance participation, and quality of life in pediatric SCI Shriners Hospitals for Children (Co-PI).
15. 2008-2009. Development of a New Screening Procedure for Determining Adiposity in Youth with Physical Disabilities. Grant No. H133A0600066 from the U.S. Department of Education, the National Institute on Disability and Rehabilitation Research. (Co-PI).
16. 2010-2015. Advanced Rehabilitation Research Training Grant. U.S. Department of Education, the National Institute on Disability and Rehabilitation Research. (Co-PI).

17. 2010-2015. Rehabilitation Engineering Research Centers Program. U.S. Department of Education, the National Institute on Disability and Rehabilitation Research. (Co-PI).
18. 2010-2015. UIC Obesity research project on prevalence, adaptations, and knowledge translation in youth and young adults with disabilities from diverse race/ethnic backgrounds. U.S. Department of Education, the National Institute on Disability and Rehabilitation Research. (Co-PI).
19. 2012-2014 Relationship between psychosocial factors of youth with spinal cord injuries and their caregivers. PI. Shriners Hospitals for Children funding. (PI 2012; co-PI 2013-2014).
20. 2014-2014. Preventing distracted driving among college age students. Portes Grant (Institute of Medicine of Chicago). (PI)
21. 2014-2016 Caring for Caregivers: Supporting Caregivers of Youth with SCI (Protocol 288993). Craig H. Neilsen Foundation. (Co-I).
22. 2014-2016. Pediatric Multi-Center Evaluation of Notable SCI Outcome Instruments. Craig H. Neilsen Foundation. (Co-I).
23. 2014-2017. Process of Adjustment among Caregivers of Individuals with Spinal Cord Injury: A Qualitative Study. Department of Defense. (PI).
24. Advanced Rehabilitation Research Training in Pediatric Mobility for Physicians and Engineers. National Institute on Disability and Rehabilitation Research. (H133P140023; \$750,000; PI: Gerald Harris, PhD) (Mentor)
25. 2015-2018. Living with SCI: Middle adulthood psychosocial outcomes of pediatrics SCI. Craig H. Neilsen Foundation. (Co-I).
26. 2016-2018. *PI*: Understanding the transition to adulthood among youth with spinal cord injury, Shriners Hospitals for Children. (Co-I)
27. 2018-2021. Development and Initial Validation of the PedsQL™-SCI Module. Craig H. Neilsen Foundation. (PI).
28. 2019-2021. Promoting sleep and health needs of young adults with spinal cord injury, Craig H. Neilsen Foundation (594373; \$190,000; PI: Alicia January, PhD) Collaborator.
29. 2019-2023. Prediction of Shoulder Injury for Disease Prevention in Children and Adults with Spinal Cord Injury Using Advanced Biomechanical Modeling and Diagnostic Imaging. National Institutes for Health. National Center for Medical Rehabilitation Research/ Eunice Kennedy Shriver National Institute of Child Health and Human Development 2% (R01HD098698-01; \$2,495,036; PI: Brooke Slavens, PhD) Consultant

- Book**
1. Vogel LC, Zebracki K, Betz RR, Mulcahey MJ (Eds.), Spinal Cord Injury in the Child and Young Adult. Mac Keith Press, London., UK. 2014.
  2. Section Editor of Section V11. Special Considerations and Editorial Team. Chhabra HS (Ed.), ISCoS Textbook on Comprehensive Management of Spinal Cord Injuries. Wolters Kluwer, (India) Pvt. Ltd., New Delhi. 2015.

**Book Chapters**

1. Vogel, L.C., Smith, P.A. (1994). Pain-Control Alternatives. In H. Glauser (Ed.), Living with Osteogenesis Imperfecta - A Guidebook for Families. The Osteogenesis Imperfecta Foundation, Inc., Tampa, pp. 73-82.
2. Vogel, L.C., Betz, R.R. (1996). Introduction. In R.R. Betz, & M.J. Mulcahey (Eds.), The Child with a Spinal Cord Injury. American Academy of Orthopaedic Surgeons, Rosemont, Illinois, pp. xxi-xxiv.

3. Vogel, L.C., DeVivo, M.J. (1996). Etiology and Demographics. In R.R. Betz, & M.J. Mulcahey (Eds.), *The Child with a Spinal Cord Injury*. American Academy of Orthopaedic Surgeons, Rosemont, Illinois, pp. 3-12.
4. Vogel, L.C. (1996). Management of Medical Issues. In R.R. Betz, & M.J. Mulcahey (Eds.), *The Child with a Spinal Cord Injury*. American Academy of Orthopaedic Surgeons, Rosemont, Illinois, pp. 189-212.
5. Vogel, L.C. (1996). Spasticity: Diagnostic Workup and Medical Management. In: R.R. Betz, & M.J. Mulcahey (Eds.), *The Child with a Spinal Cord Injury*. American Academy of Orthopaedic Surgeons, Rosemont, Illinois, pp. 261-268.
6. Vogel, L.C. (1996). Medical Management of Pressure Ulcers. In R.R. Betz, & M.J. Mulcahey (Eds.), *The Child with a Spinal Cord Injury*. American Academy of Orthopaedic Surgeons, Rosemont, Illinois, pp. 293-304.
7. Vogel, L.C. (1996): Long-term Prophylactic Medical Care. In R.R. Betz, & M.J. Mulcahey (Eds.), *The Child with a Spinal Cord Injury*. American Academy of Orthopaedic Surgeons, Rosemont, Illinois, pp. 679-688.
8. Vogel, L.C. (2000). Analysis of ambulation in children and adolescents with spinal cord injuries. In G.F. Harris, P.A. Smith, (Eds.), *Pediatric Gait. A New Millennium in Clinical Care and Motion Analysis Technology*. Institute of Electrical and Electronics Engineering, Inc. Piscataway, N.J., pp. 84-91.
9. Vogel, L.C., Betz, R.R., Mulcahey, M.J. (2002). Pediatric Spinal Cord Disorders. In S. Kirshblum, D.I. Campagnolo, & J.A. DeLisa, (Eds.), *Spinal Cord Medicine*. Lippincott, Williams and Wilkins, Philadelphia, pp. 438-470.
10. Anderson, C.J., Vogel, L.C. (2002). Adult outcomes and life satisfaction. In J.F. Sarwark & J.P. Lubicky, (Eds.) *Caring for the Child with Spina Bifida*. American Academy of Orthopaedic Surgeons, Rosemont, Illinois, pp. 627-637.
11. Vogel, L.C., Betz, R.R., Mulcahey, M.J. (2003). Pediatric Spinal Cord Disorders in Children and Adolescents. In V. Lin (Ed.) *Spinal Cord Medicine Textbook*. Demos, New York, New York, pp. 851-884.
12. Anderson, C.J., Vogel, L.C. Spinal Cord Injury. In: J.E. Farmer, J. Donders, & S. Warschausky (Eds.). *Neurodevelopmental Disabilities*. Guilford, New York, New York, pp. 42-60.
13. Vogel, L.C., Betz, R.R., Mulcahey, M.J. (2010). Spinal Cord Disorders in Children and Adolescents. In V. Lin (Ed.). *Spinal Cord Medicine Textbook, Second Edition*. Spinal. Demos, New York, New York, pp. 595-622.
14. Vogel L.C., Anderson C.J. (2011). The Spinal Cord. In A.S. Davis (Ed.) *Handbook of Pediatric Neuropsychology*. Springer, New York, New York, pp. 109-120.
15. Vogel, L.C., Betz, R.R., Mulcahey, M.J. (2011). Pediatric Spinal Cord Disorders. In S. Kirshblum, D.I. Campagnolo, (Eds.). *Spinal Cord Medicine. Second Edition*. Wolters Kluwer; Lippincott Williams & Wilkins, New York, New York, pp533-564.
16. Zebracki, K. & Vogel, L. (2012) Epidemiology of childhood-onset spinal cord injuries in the United States. In V. Rahimi-Movaghar, S.B. Jazayeri, A.R. Vaccaro (Eds.), *Epidemiology of Spinal Cord Injuries*. Hauppauge, NY: Nova Science Publishers, Inc. pp19-28.
17. Vogel, L.C., Betz, R.R., Mulcahey, M.J..(2012) Spinal Cord Injuries in Children and Adolescents. In J. Verhaagen, J. McDonald. (Eds.). *Handbook of Clinical Neurology*. Elsevier pp138-148.
18. Vogel, L.C & Graham, A. (2013) Specific issues in management and rehabilitation. In M. Pike (Ed). *Clinics in Developmental Medicine: Disorders of the spinal cord in children*. Mac Keith Press, London, pp186-224

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**Letter to the Editor**

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133. Vogel LC, Schottler JC, Mendoza MM, Chlan KM, Anderson CJ. Ambulatory ability in pediatric patients after a spinal cord injury. Presentation at the Howard H Steel Conference: Injuries and Dysfunction of the Spinal Cord in Children. Orlando, Florida. November 29 - December 2, 2006.
134. Mendoza MM, Hunter L, Williamson MS, Bagley A, Mulcahey MJ, Betz R, Vogel LC, Aaron G, McDonald C. A comparison of three compliance monitors for use in thoraco-lumbar-sacral orthoses for children with spinal cord injury. Presentation at the Howard H Steel Conference: Injuries and Dysfunction of the Spinal Cord in Children. Orlando, Florida. November 29 - December 2, 2006. *J Spinal Cord Med*, 2007; 30:S192-193.
135. Chen Y, Anderson CJ, Vogel LC, Chlan KM, Betz RR McDonald CM. Long-term life satisfaction of adults who sustained spinal cord injury as children or adolescents. Presentation at the Howard H Steel Conference: Injuries and Dysfunction of the Spinal Cord in Children. Orlando, Florida. November 29 - December 2, 2006.



136. Vogel LC, Chlan KM, Anderson CJ. Spinal cord injury without radiographic abnormality. Presentation at the Howard H Steel Conference: Injuries and Dysfunction of the Spinal Cord in Children. Orlando, Florida. November 29 - December 2, 2006.
137. Vogel LC, Anderson CJ, Chlan KM, Betz RR McDonald CM. Pain and its impact on adults with pediatric-onset spinal cord injury. Presentation at the Howard H Steel Conference: Injuries and Dysfunction of the Spinal Cord in Children. Orlando, Florida. November 29 - December 2, 2006. *J Spinal Cord Med*, 2007; 30:S193.
138. DeVivo MJ, Shavelle RM, Vogel LC, Strauss DJ, Paculdo DR. Long-term survival after childhood spinal cord injury. Presentation at the Howard H Steel Conference: Injuries and Dysfunction of the Spinal Cord in Children. Orlando, Florida. November 29 - December 2, 2006.
139. Sison-Williamson M, Bagley A, Hongo A, Vogel LC, Mulcahey MJ, Betz RR McDonald CM. The effect of thoracic lumbar sacral orthoses on reachable workspace volumes in children with spinal cord injury. Presentation at the Howard H Steel Conference: Injuries and Dysfunction of the Spinal Cord in Children. Orlando, Florida. November 29 - December 2, 2006.
140. Anderson CJ, Vogel LC, Chlan KM, Betz RR, McDonald CM. Educational achievement of adults with pediatric-onset spinal cord injuries. Presentation at the Howard H Steel Conference: Injuries and Dysfunction of the Spinal Cord in Children. Orlando, Florida. November 29 - December 2, 2006. *J Spinal Cord Med*, 2007; 30:S194.
141. Anderson CJ, Vogel LC, Chlan KM, Betz RR, McDonald CM. Risk factors for depression in adults with pediatric-onset spinal cord injuries. Presentation at the Howard H Steel Conference: Injuries and Dysfunction of the Spinal Cord in Children. Orlando, Florida. November 29 - December 2, 2006.
142. Vogel LC, Anderson CJ, Chlan KM, Betz RR, McDonald CM. Long-term outcomes of adults with pediatric-onset spinal cord injuries as a function of neurological impairment. Presentation at the Howard H Steel Conference: Injuries and Dysfunction of the Spinal Cord in Children. Orlando, Florida. November 29 - December 2, 2006.
143. Anderson CJ, Vogel LC, Chlan KM, Betz RR, McDonald CM. Impact of environmental factors on outcomes of adults with pediatric-onset spinal cord injuries. Presentation at the Howard H Steel Conference: Injuries and Dysfunction of the Spinal Cord in Children. Orlando, Florida. November 29 - December 2, 2006. *J Spinal Cord Med*, 2007; 30:S195.
144. Chafez R, Mulcahey MJ, McDonald CM, Betz RR, Vogel LC, Anderson CJ, O'Dell A, Flanagan A. A pilot study evaluating the difference between level of independence (capacity) and typical performance at home of ADLs in the pediatric spinal cord injury population. Presentation at the Howard H Steel Conference: Injuries and Dysfunction of the Spinal Cord in Children. Orlando, Florida. November 29 - December 2, 2006. *J Spinal Cord Med*, 2007; 30:S195.
145. Chafez R, Mulcahey MJ, McDonald CM, Betz RR, Anderson CJ, Vogel LC, O'Dell A, Flanagan A. The impact of prophylactic TLSO bracing on functional activities and ADLs in the pediatric spinal cord injury population. Presentation at the Howard H Steel Conference: Injuries and Dysfunction of the Spinal Cord in Children. Orlando, Florida. November 29 - December 2, 2006.
146. Hunter L, Molitor F, Chafez R, Mulcahey MJ, Betz RR, Vogel LC, McDonald CM. Development of the Shriners Pediatric Instrument for Neuromuscular Scoliosis (SPINS): a quality of life questionnaire for children with spinal cord injuries. Presentation at the Howard H Steel Conference: Injuries and Dysfunction of the Spinal Cord in Children. Orlando, Florida. November 29 - December 2, 2006.
147. Marks J, Gordon J, Stille CJ, Vogel LC. Creating Partnerships between Primary Care Medical Homes & Specialty Hospitals. Workshop at 6<sup>th</sup> annual Forum for improving Children's Healthcare. (NICHQ); San Francisco, CA March 19-21, 2007.

148. Kalola CJ, Vogel L. A rare cause for thoracic spinal cord compression and subsequent paraplegia following decompression surgery in a 13 year-old boy. Poster at annual meeting of the Association of Academic Physiatrists, San Juan, Puerto Rico, April 10 – 14, 2007.
149. Stille CJ, Marks J, Vogel LC, Lighter D. Parents as communication partners promote care coordination by their child's PCP. Poster at the annual meeting of the Pediatric Academic Societies, Toronto, CA May 3-8, 2007.
150. Stille CJ, Marks J, Vogel LC. Decreasing parallel play in the medical home: improving PCP-Specialist communication using a QI approach. Workshop at the annual meeting of the Pediatric Academic Societies, Toronto, CA May 3-8, 2007.
151. Vogel LC, Anderson CJ, Chlan KM, Betz RR, McDonald CM. Long-term outcomes of adults with pediatric-onset spinal cord injuries as a function of neurological impairment. *J Spinal Cord Med* 2007;30:170. Presentation at American Spinal Injury Association annual meeting 2007.
152. Chen Y, Anderson CJ, Vogel LC, Chlan KM, McDonald CM. Long-term life satisfaction of adults who sustained spinal cord injury as children or adolescents. *J Spinal Cord Med* 2007;30:171. Presentation at American Spinal Injury Association annual meeting 2007.
153. Mulcahey MJ, Gaughan J, Betz RR, Vogel LC. Rater Reliability of the International Standards for Neurological Classification in Spinal Cord Injury motor and sensory scores obtained before and after formal training in testing technique. *J Spinal Cord Med* 2007;30:171. Presentation at American Spinal Injury Association annual meeting 2007.
154. Anderson CJ, Vogel LC, Chlan KM, McDonald CM. Educational achievement of adults with pediatric-onset spinal cord injuries. *J Spinal Cord Med* 2007;30:173. Presentation at American Spinal Injury Association annual meeting 2007.
155. Chen Y, Anderson CJ, Vogel LC, Chlan KM, McDonald CM, Betz RR. Independent living in adults with pediatric-onset spinal cord injury. *J Spinal Cord Med* 2007;30:183. Poster at American Spinal Injury Association annual meeting 2007.
156. DeVivo MJ, Vogel LC. Risk factors and causes of death after pediatric spinal cord injury. *J Spinal Cord Med* 2007;30:187. Poster at American Spinal Injury Association annual meeting 2007.
157. Chafetz RS, Mulcahey MJ, Betz RR, Vogel LC, Schottler J. Patient knowledge and understanding of severity of injury as defined by the ASIA examination. *J Spinal Cord Med* 2007;30:188. Poster at American Spinal Injury Association annual meeting 2007.
158. Sturm PF, McNitt M, Vogel LC. Development of scoliosis as a function of SCIWORA in pediatric-onset spinal cord injury. Poster at the International Spinal Cord Society annual meeting won third place prize, Iceland 2007.
159. Vogel LC, Anderson CJ, Chlan KM, Betz RR, McDonald CM. Long-term Outcomes of Adults with Pediatric-onset Spinal Cord Injuries as a Function of Neurological Impairment. Poster at the International Spinal Cord Society annual meeting, Iceland 2007.
160. Vogel LC, Anderson CJ, Chlan KM, Betz RR, McDonald CM. Medical complications and their impact on Life satisfaction adults with pediatric-onset spinal cord injuries Presentation at the International Spinal Cord Society annual meeting, Iceland 2007.
161. Mulcahey MJ, Gaughan J, Chafetz R, Betz RR, Vogel LC. Testing a limited number of dermatomes (ASIAQUICK) as a predictor of the 56 dermatome score. *J Spinal Cord Med* 2007;30:408. Poster at American Paraplegia Society, annual meeting.
162. Vogel LC, Anderson CJ, Chlan KM, Betz RR, McDonald CM. Impact of medical complications on life satisfaction in adults with pediatric-onset spinal cord injuries. *J Spinal Cord Med* 2007;30:410. Poster at American Paraplegia Society, annual meeting.

163. Vogel LC, Anderson CJ, Chlan KM, Betz RR, McDonald CM. Upper extremity pain and wheelchair use in adults with pediatric-onset spinal cord injuries. *J Spinal Cord Med* 2007;30:410-411. Poster at American Paraplegia Society, annual meeting.
164. Vogel LC, Schottler JC, Mendoza MM, Chlan KM, Anderson CJ. Ambulatory ability in pediatric patients after a spinal cord injury. Presentation at the International Tetraplegia Upper Extremity meeting, Philadelphia, September, 2007.
165. Klaas SJ, Kelly EH, Anderson CJ, Vogel LC. Assessing participation and enjoyment in pediatric SCI. *J Spinal Cord Med* 2008;31:249. Poster at American Spinal Injury Association annual meeting 2008.
166. Vogel LC, Chafetz RS, Gaughan JP, Mulcahey MJ. Within Rater Agreement of Repeated Anal-Rectal Exams and Severity of Classification in Children and Youth with Spinal Cord Injury *J Spinal Cord Med* 2008;31:238. Poster at American Spinal Injury Association annual meeting 2008.
167. Vogel LC, Anderson CJ, Chlan KM, Betz RR, McDonald CM. Upper extremity pain and wheel chair use in adults with pediatric-onset spinal cord injury. *J Spinal Cord Med* 2008;31:250. Poster at American Spinal Injury Association annual meeting 2008.
168. Chafetz RS, Mulcahey MJ, Schottler J, Vogel LC. Patterns of Upright mobility in 160 Children with SCI. *J Spinal Cord Med* 2008;31:252. Poster at American Spinal Injury Association annual meeting 2008.
169. Chafetz R, Vogel LC, Mulcahey MJ. Patient/Caregiver Knowledge of Autonomic Dysreflexia in Children with SCI. *J Spinal Cord Med* 2008;31:251-252. Poster at American Spinal Injury Association annual meeting 2008.
170. Vogel LC, Anderson CJ, Chlan KM, Betz RR, McDonald CM. Long-term Outcomes and Life Satisfaction in Adults with Pediatric-onset Spinal Cord Injuries. *J Spinal Cord Med* 2008;31:230. Presentation at American Spinal Injury Association annual meeting 2008.
171. Russell HF, Merenda L, Costello KM, Battle E, House LA, Mulcahey MJ, Betz RR, Kelly EH, Anderson CJ, Vogel LC. Relationship between coping and psychological outcomes in pediatric SCI. *J Spinal Cord Med* 2008;31:228. (Presentation at American Spinal Injury Association annual meeting 2008).
172. Kelly EH, Anderson CJ, Gerson A, Vogel LC, Daharsh E, Garma S. Relationship between psychological health of caregivers and outcomes of youth with SCI. *J Spinal Cord Med* 2008;31:235. Presentation at American Spinal Injury Association annual meeting 2008)
173. Chafetz RS, Gaughan JP, Betz RR, Vogel LC, Mulcahey MJ. Within Rater Agreement of Repeated Total Scores for Light Touch, Pin Prick, and Motor Testing in Children and Youth with SCI. *J Spinal Cord Med* 2008;31:236. Presentation at American Spinal Injury Association annual meeting 2008.
174. Mulcahey MJ, Gaughan JP, Betz RR, Vogel LC. Testing a limited number of dermatomes as a predictor of the 56-dermatome score. *J Spinal Cord Med* 2008; 31:238. Poster at American Spinal Injury Association annual meeting 2008.
175. Mulcahey MJ, Haley S, Calhoun C, Betz RR, Vogel LC, McDonald C. Measuring activity and participation with computer adaptive testing. *J Spinal Cord Med* 2008; 31:249. Poster at American Spinal Injury Association annual meeting 2008.
176. Mulcahey MJ, Calhoun C, Chafetz R, Hunter L, Vogel LC, Samdani, Betz RR. Neurological examination and classification of spinal cord injury: reliability in children and youth. ePoster; 15th International Meeting on Advanced Spine Techniques, Hong Kong, July 8-11, 2008.
177. Chen Y, Anderson CJ, Vogel LC, Chlan, McDonald CM, Betz RR. Long-term Employment Outcome in Adults with Pediatric-Onset Spinal Cord Injury. Presentation at 2008 ACRM-ASNR Joint Educational Conference, Rehabilitation Research: Interdisciplinary, International, Interaction, Toronto.

178. Stille CJ , Lighter DE, Vogel LC, Marks J. Scaling it Up: Implementing Medical Home-Specialist Collaboration in a National Hospital System, Presentation at NACHRI & NACH Creating Connections Conference in March 2008.
179. Stille CJ , Lighter DE, Vogel LC, Marks J. Applying Six Sigma and Lean to Medical Home. Presentation at NICHQ's Sixth Annual Forum for Improving Children's Health Care in March 2008.
180. Stille CJ , Marks J. Vogel LC, Noble R, Lighter DE. Scaling It Up: A QI Collaborative to Improve Communication between a Hospital Network and Primary Care Presentation at NICHQ's Sixth Annual Forum for Improving Children's Health Care in March 2008.
181. Stille CJ , Marks J. Vogel LC, Noble R, Lighter DE. Scaling It Up: A QI Collaborative to Improve Communication between a Hospital Network and Primary Care Presentation at PAS Annual Meeting in May 2008.
182. Klaas SJ, Kelly EH, Anderson CJ, Vogel LC. Examining outcomes in pediatric SCI. *J Spinal Cord Med* 2008;31:330. Presentation at Congress on Spinal Cord Medicine and Rehabilitation, Orlando, FL.
183. Garma S, Kelly EH, Gerson A, Anderson CJ, Vogel LC. Relationships between outcomes of caregivers and children with SCI. *J Spinal Cord Med* 2008;31:331-332. Presentation at Congress on Spinal Cord Medicine and Rehabilitation, Orlando, FL.
184. Mulcahey MJ, Calhoun C, Haley S, Anderson CJ, Betz RR, Vogel LC. Computer adaptive testing: development of 21<sup>st</sup> century measurement systems to evaluate activity performance and participation I persons with SCI. *J Spinal Cord Med* 2008; 31:345. Poster at Congress on Spinal Cord Medicine and Rehabilitation, Orlando, FL.
185. Vogel LC, Anderson CJ, Chlan KM, Betz RR, McDonald CM. Long-term Outcomes and Life Satisfaction in Adults with Pediatric-onset Spinal Cord Injuries. *J Spinal Cord Med* 2008;31:345-346. Poster at 2008 Congress on Spinal Cord Medicine and Rehabilitation, Orlando, FL.
186. Vogel LC, Chafetz RS, Gaughan JP, Mulcahey MJ. Within Rater Agreement of Repeated Anal-Rectal Exams and Severity of Classification in Children and Youth with Spinal Cord Injury *J Spinal Cord Med* 2008;31:346. Poster at 2008 Congress on Spinal Cord Medicine and Rehabilitation, Orlando, FL.
187. Chafetz RS, Gaughan JP, Betz RR, Vogel LC, Mulcahey MJ. Within Rater Agreement of Repeated Total Scores for Light Touch, Pin Prick, and Motor testing in Children and Youth with SCI. *J Spinal Cord Med* 2008;31:353-354. Poster at 2008 Congress on Spinal Cord Medicine and Rehabilitation, Orlando, FL.
188. Vogel LC, Kelly EH, Anderson CJ, Klaas SJ, Russell HF, Daharsh E. Psychosocial functioning of youth with spinal cord injury. Presentation at the 47<sup>th</sup> Annual Scientific Meeting, International Spinal Cord Society, September 1-4, 2008; Durban, South Africa.
189. Vogel LC, Klaas SJ, Kelly EH, Anderson CJ. Assessing participation and enjoyment in pediatric spinal cord injury. Presentation at the 47<sup>th</sup> Annual Scientific Meeting, International Spinal Cord Society, September 1-4, 2008; Durban, South Africa.
190. Vogel LC, Kelly EH, Anderson CJ, Klaas SJ, Russell, Daharsh E. Psychosocial functioning of youth with spinal cord injury. *Dev Med Child Neurol* 2008;50 (Suppl 4):40. Presentation at 2008 Annual Meeting of AACPD, Atlanta, GA.
191. Mulcahey MJ, Gaughan J, Chafetz R, Betz R, Vogel L. International standards for neurological classification of spinal cord injury: reliability of data when applied to children and youth. *Dev Med Child Neurol* 2008;50 (Suppl 4):40-41. Presentation at 2008 Annual Meeting of AACPD, Atlanta, GA.
192. Mulcahey MJ, Haley S, Riley A, Calhoun C, Vogel L, McDonald C, Betz RR. Measuring activity and participation with computer adaptive testing. *Dev Med Child Neurol* 2008;50 (Suppl 4):48. Scientific poster at 2008 Annual Meeting of AACPD, Atlanta, GA.

193. Klaas SJ, Kelly EH, Vogel LC, Anderson CJ. Assessing participation and enjoyment in pediatric spinal cord injury. *Dev Med Child Neurol* 2008;50 (Suppl 4):65. Scientific poster at 2008 Annual Meeting of AACPD, Atlanta, GA.
194. Chen Y, Anderson CJ, Vogel LC. Long-term employment outcome in adults with pediatric-onset spinal cord injury. Presentation at the 85th Annual Meeting of the American Congress of Rehabilitation Medicine and 15<sup>th</sup> Annual Meeting of the American Society of Neurorehabilitation, Toronto, Ontario, Canada, October 15-19, 2008; *Arch Phys Med Rehabil* 2008;89:E1.
195. Hunter LN, Molitor F, Mulcahey MJ, Betz RR, Vogel LC, McDonald CM. Reliability Testing of the Shriners Pediatric Instrument for Neuromuscular Scoliosis (SPINS): A Quality of Life Questionnaire for Children with Spinal Cord Injury. The 16<sup>th</sup> International Meeting on Advanced Spine Techniques (IMAST) July 15<sup>th</sup>-18<sup>th</sup>, 2009 in Vienna, Austria. Presentation.
196. Hunter LN, Samdani AF, Betz RR, Vogel LC, Chafetz R, Gaughan JP, Mulcahey MJ. Neuromuscular Scoliosis in Children with SCI as a Function of Age, Time since Injury, Neurological Level, Motor Level, and Injury Severity. The 44<sup>th</sup> Annual Meeting & Course of the Scoliosis Research Society (SRS) September 23-26<sup>th</sup>, 2009 in San Antonio, TX. Presentation.
197. Kelly EH, Anderson CJ, Klaas SJ, Russell HF, Daharsh E, Vogel LC. Participation and quality of life among youth with SCI. *J Spinal Cord Med* 2009; 32:462. Presentation at Congress on Spinal Cord Medicine and Rehabilitation, Dallas, TX.
198. Chlan KM, Zebracki K, Vogel LC. Religiosity and life satisfaction on adults with pediatric onset SCI. *J Spinal Cord Med* 2009; 32:463. Presentation at Congress on Spinal Cord Medicine and Rehabilitation, Dallas, TX.
199. Zebracki K, Vogel LC, Chlan KM. Sexuality in adults with pediatric onset SCI. *J Spinal Cord Med* 2009; 32:464. Presentation at Congress on Spinal Cord Medicine and Rehabilitation, Dallas, TX.
200. Hunter LN, Amer F, Samdani AF, Betz RR, Vogel LC, Chafetz, Gaughan JP, Mulcahey MJ. Neuromuscular Scoliosis in Children with SCI as a Function of Age, Time since Injury, Neurological Level, Motor Level, and Injury Severity. *J Spinal Cord Med* 2009; 32:479. Moderated Poster at Congress on Spinal Cord Medicine and Rehabilitation, Dallas, TX.
201. Klaas SJ, Gorzkowski JA, Kelly EH, Vogel LC. Gender and ethnicity issues in pediatric SCI. *J Spinal Cord Med* 2009; 32:482. Poster at Congress on Spinal Cord Medicine and Rehabilitation, Dallas, TX.
202. Russell H, Homko E, Dasch K, Gorzkowski JA, Kelly EH, Vogel LC. A new model: coping in pediatric SCI. *J Spinal Cord Med* 2009; 32:490. Poster at Congress on Spinal Cord Medicine and Rehabilitation, Dallas, TX.
203. Mulcahey MJ, Haley S, Calhoun C, Vogel L, Bent L, James M, Kawada J. Comparisons of child- and parent-reported activity performance in children and youth with SCI. *J Spinal Cord Med* 2009; 32:490. Poster at Congress on Spinal Cord Medicine and Rehabilitation, Dallas, TX.
204. Gorzkowski JA, Klaas SJ, Kelly EH, Vogel LC. Gender and ethnicity issues in pediatric SCI Part 1. *J Spinal Cord Med* 2009; 32:491. Poster at Congress on Spinal Cord Medicine and Rehabilitation, Dallas, TX.
205. Kelly EH, Gorzkowski JA, Garma S, Klaas SJ, Russell H, Vogel LC. Independent home access and outcomes of youth with SCI. *J Spinal Cord Med* 2009; 32:491. Poster at Congress on Spinal Cord Medicine and Rehabilitation, Dallas, TX.
206. Mulcahey MJ, Vogel LC, Samdani A, Betz R, Gaughan J. International standards for neurological classification of SCI: Inter-rater agreement and guidelines for use with

- children and youth. *J Spinal Cord Med* 2009; 32:491. Moderated poster at Congress on Spinal Cord Medicine and Rehabilitation, Dallas, TX.
207. Daharsh EZ, Garma S, Kelly EH, Vogel LC. Measuring anxiety in youth with SCI. *J Spinal Cord Med* 2009; 32:492. Poster at Congress on Spinal Cord Medicine and Rehabilitation, Dallas, TX.
  208. Garma S, Kelly EH, Daharsh EZ, Russell H, Vogel LC. Quality of life after pediatric SCI. *J Spinal Cord Med* 2009; 32:492. Poster at Congress on Spinal Cord Medicine and Rehabilitation, Dallas, TX.
  209. Haley S, Mulcahey MJ, Calhoun C, Vogel L, Bent L, James M, Kawada J. Self-reported daily functioning in children and youth with SCI. *J Spinal Cord Med* 2009; 32:492. Poster at Congress on Spinal Cord Medicine and Rehabilitation, Dallas, TX.
  210. Vogel LC, Kelly EH, Anderson CJ, Klaas SJ, Russell H, Daharsh EZ, Gorzkowski J, Zebracki K. Participation and quality of life among youth with spinal cord injury. Oral presentation at 2009 Annual International Spinal Cord Society meeting, Florence, Italy.
  211. Haley S, Mulcahey MJ, Calhoun C, Vogel L. Comparison of child and parent reported activity performance and participation in children and youth with spinal cord injury. Oral presentation at 2009 Annual International Spinal Cord Society meeting, Florence, Italy.
  212. Mulcahey MJ, Vogel LC, Chafetz R, Samdani A, Betz R. International standards for neurological classification of spinal cord injury: utility of motor, sensory and anorectal exams with children. Oral presentation at 2009 Annual International Spinal Cord Society meeting, Florence, Italy.
  213. Betz RR, Chafetz R, Vogel LC, Samdani A, Mulcahey MJ. International standards for neurological classification of spinal cord injury: utility of motor, sensory and anorectal exams with children. Poster at 2009 Annual International Spinal Cord Society meeting, Florence, Italy.
  214. Vogel LC, Chlan KM, Zebracki, K. Spirituality in adults who sustained SCI as children or adolescents. Poster at 2009 Annual International Spinal Cord Society meeting, Florence, Italy.
  215. Betz RR, Hunter L, Samdani A, Vogel LC, Chafetz R, Gaughan J, Mulcahey MJ. Neuromuscular scoliosis in children with SCI as a function of age, time since injury, neurological level, motor level, and injury severity. Poster at 2009 Annual International Spinal Cord Society meeting, Florence, Italy.
  216. Haley S, Mulcahey MJ, Calhoun C, Vogel L. Self-reported daily functioning in children and youth with spinal cord injury. Poster at 2009 Annual International Spinal Cord Society meeting, Florence, Italy.
  217. Vogel LC, Garma S, Kelly EH, Daharsh E, Russell H. Quality of life after pediatric spinal cord injury. Poster at 2009 Annual International Spinal Cord Society meeting, Florence, Italy.
  218. Vogel LC, Zebracki K, Chlan, Bland M, Kelly EH. Relationship outcomes in adults with pediatric-onset spinal cord injury. Poster at 2009 Annual International Spinal Cord Society meeting, Florence, Italy.
  219. Chafez R, Calhoun CL, Vogel LC, Gaughan JP, Mulcahey MJ. Predicted planned and unplanned upright mobility in children with a spinal cord injury. Presentation at the Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009.
  220. Kelly EH, Gorzkowski JA, Garma S, Klaas SJ, Klaas SJ, Russell H, Vogel LC. Independent home access and outcomes of youth with spinal cord injury. Presentation at the Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009.
  221. Vogel LC, Mulcahey MJ, Betz R, McDonald C, Bagley A, Sison-Williamson M. The effect of spinal cord injury on reachable workspace in children. Presentation at the

- Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009.
222. Russell H, Kelly EH, Mulcahey MJ, Betz RR, Vogel LC. 'How am I doing?' Coping and psychological outcomes in youth with spinal cord injury. Presentation at the Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009.
223. Dasch K, Russell H, Homko E, Kelly EH, Gorzkowski JA, Mulcahey MJ, Betz R, Vogel LC. Caregiver coping in pediatric spinal cord injury. Presentation at the Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009.
224. Gorzkowski JA, Kelly EH, Klaas SJ, Vogel LC. Social and job-related participation and psychosocial outcomes of girls with spinal cord injury. Presentation at the Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009.
225. Kelly EH, Anderson CJ, Klaas SJ, Russell H, Daharsh E, Vogel LC. Participation and quality of life among youth with spinal cord injury. Presentation at the Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009.
226. Klaas SJ, Gorzkowski JA, Kelly EH, Vogel LC. Gender and ethnicity issues in pediatric spinal cord injury. Presentation at the Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009.
227. Mulcahey MJ, Haley S, Calhoun C, Vogel L, Bent L, James M, Kawada . Comparison of child- and parent-reported activity performance and participation in children and youth with spinal cord injury. Presentation at the Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009.
228. Chlan K, Zebracki K, Vogel LC, Bland M. Religiosity and life satisfaction in adults with pediatric-onset SCI. Presentation at the Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009.
229. Wood A, Foley S, Vogel LC, Patt P, Klaas SJ. Eating disorder prevalence in individuals with spinal cord injury. Presentation at the Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009.
230. Patt P, Vogel L, Zebracki K. Evaluation of body mass index to trunk fat and metabolic risk factors in youth with spinal cord injury. Presentation at the Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009.
231. Sison-Williamson M, Hunter L, Bagley A, Mulcahey MJ, Betz R, Vogel LC, McDonald CM. Objective measurement of thoracic-lumbar-sacral orthosis wearing in children with spinal cord injury in the community. Presentation at the Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009.
232. Hunter L, Molitor F, Mulcahey MJ, Vogel LC, Betz R, McDonald CM. Reliability testing of the Shriners Pediatric Instrument for Neuromuscular Scoliosis (SPINS): A quality of life questionnaire for children with spinal cord injury. Presentation at the Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009
233. Schottler JC, Vogel LC, Sturm P. Spinal cord injuries in young children: Injury-related factors, demographics, and secondary complications of children injured at five years of age and younger. Presentation at the Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009.
234. Vogel LC, DeVivo MJ, Chlan K. Life expectancy for individuals with pediatric-onset SCI. Presentation at the Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009.

235. Betz R, Chafetz R, Vogel LC, Samdani A, Mulcahey MJ. Description of sensory preservation in children and adolescents with incomplete spinal cord injury. Presentation at the Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009.
236. Calhoun C, Haley SM, Riley A, Vogel L, McDonald CM, Mulcahey MJ. Development of items designed to evaluate activity performance and participation in children and adolescents with spinal cord injury. Poster at the Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009.
237. Klaas SJ, Gorzkowski JA, Kelly EH, Vogel LC. Completeness of injury and outcomes of youth with spinal cord injury. Poster at the Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009.
238. Smith BT, Chafetz R, Gaughan JP, Betz R, Vogel L, Mulcahey MJ. Using a limited number of dermatomes as a predictor of the 56-dermatome test of the International Standards for Neurological Classification of Spinal Cord Injury. Poster at the Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009.
239. Zebracki K, Vogel LC, Chlan K, Bland M. Relationship outcomes in adults with pediatric-onset SCI. Poster at the Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009.
240. Klaas SJ, Gorzkowski JA, Kelly EH, Vogel LC. Assessing patterns of participation and enjoyment in pediatric with spinal cord injury. Poster at the Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009.
241. Gorzkowski JA, Kelly EH, Abrams JR, Altiok H, Vogel LC. Psychosocial outcomes among youth with spina bifida and spinal cord injury. Poster at the Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009.
242. Garma SI, Daharsh E, Kelly EH, Vogel LC. Measuring anxiety in youth with spinal cord injury. Poster at the Howard H Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction. Orlando, Florida. December 3-5, 2009.
243. Gorzkowski JA, Kelly EH, Klaas SJ, Vogel LC. Girls with SCI: Social and job-related participation and psychosocial outcomes. *J Spinal Cord Med* 2010; 33:178-179. Presentation at 2010 Annual meeting of the American Spinal Injury Association. Nashville, TN. May 26-28, 2010.
244. Schottler JC, Vogel LC, Sturm P. SCI in young children: Injury-related factors, demographics, and secondary complications of children injured at five years of age and younger. *J Spinal Cord Med* 2010; 33:179. Presentation at 2010 Annual meeting of the American Spinal Injury Association. Nashville, TN. May 26-28, 2010.
245. Russell H, Mulcahey MJ, Betz R, Kelly E, Gorzkowski J, Vogel L. Relationships between coping and psychological outcomes in youth with SCI. *J Spinal Cord Med* 2010; 33:180. Presentation at 2010 Annual meeting of the American Spinal Injury Association. Nashville, TN. May 26-28, 2010.
246. Kelly E, Gorzkowski J, Garma S, Klaas S, Russell H, Vogel L. Caregiver perspectives and mental health among youth with SCI and their primary caregivers. *J Spinal Cord Med* 2010; 33:183. Poster at the Annual meeting of the American Spinal Injury Association. Nashville, TN. May 26-28, 2010.
247. Zebracki K, Vogel LC, Chlan K. Pain and medical complications in adults with pediatric-onset SCI. *J Spinal Cord Med* 2010; 33:189. Poster at 2010 Annual meeting of the American Spinal Injury Association. Nashville, TN. May 26-28, 2010.
248. Klaas SJ, Kelly E, Gorzkowski J, Vogel L. Socioeconomic status and participation patterns in pediatric SCI. *J Spinal Cord Med* 2010; 33:194-195. Poster at 2010 Annual meeting of the American Spinal Injury. Nashville, TN. May 26-28, 2010.



249. Chlan K, Zebracki K, Vogel LC. Gender differences in adults with pediatric-onset spinal cord injury. Presentation at the Annual meeting of the Academy of Spinal Cord Injury Professionals. Las Vegas, September 2010.
250. Zebracki K, Chlan KM, Vogel LC. Change in health status in adults with pediatric-onset spinal cord injury. Presentation at the Annual meeting of the Academy of Spinal Cord Injury Professionals. Las Vegas, September 2010.
251. Schottler JC, Vogel LC, Sturm P. SCI in children injured at five years of age and younger. Presentation at the Annual meeting of the International Spinal Cord Society. New Delhi, India October 2010.
252. Kelly E, Anderson CJ, Garma S, Russell H, Klaas S, Gorzkowski J, Vogel L. Relationships between outcomes of caregivers and youth with spinal cord injury. Poster at the Annual meeting of the International Spinal Cord Society. New Delhi, India October 2010.
253. Zebracki, K., Vogel, L., & Chlan, K. (2010). Pain and Medical Complications in Adults with Pediatric-onset Spinal Cord Injury. Poster session at the 49<sup>th</sup> Annual Scientific Meeting of the International Spinal Cord Society, New Delhi, India.
254. Zebracki, K., Vogel, LC., & Chlan, KM. Change in economic status in young and middle-aged adults with a pediatric-onset spinal cord injury over a ten-year period. *Dev Med Child Neurol.* 2010; 52; S71. Scientific poster presentation at the 64<sup>th</sup> Annual Meeting of the American Academy of Cerebral Palsy and Developmental Medicine, Washington D.C.
255. Chlan KM, Zebracki K, Vogel LC. Gender differences in outcomes of adults with pediatric-onset spinal cord. *Dev Med Child Neurol.* 2010; 52; S64. Scientific poster presentation at the 64<sup>th</sup> Annual Meeting of the American Academy of Cerebral Palsy and Developmental Medicine, Washington D.C.
256. Haley SM, Mulcahey MJ, Calhoun C, Vogel L, Bent L, James M, Kawada J, McDonald CM,. Measuring child-reported daily routines with spinal cord injury with a computer adapted test. *Dev Med Child Neurol.* 2010; 52; S50. Scientific presentation at the 64<sup>th</sup> Annual Meeting of the American Academy of Cerebral Palsy and Developmental Medicine, Washington D.C.
257. Altiock H, Kelly EH, Zebracki K, Gorzkowski JA, Abrams JR, Vogel LC. A cross-sectional study of community participation among youth with spina bifida. *Dev Med Child Neurol.* 2010; 52; S68-69. Scientific poster presentation at the 64<sup>th</sup> Annual Meeting of the American Academy of Cerebral Palsy and Developmental Medicine, Washington D.C.
258. Yang, C., Zebracki, K., Chaviano, A, & Vogel, L. (2010, September). Life satisfaction and quality of life related to bladder function after spinal cord injury. Poster session at the North Central Section of the American Urological Association, Inc. 84<sup>th</sup> Annual Meeting, Chicago, IL.
259. Patt P, Vogel LC, Ortman P, Foley S. Prevalence of risk factors for metabolic syndrome among youth with spinal cord injury. *Top Spinal Cord Inj Rehabil.* 2011; 16 (Suppl 1):23. Presentation at 2011 Annual meeting of the American Spinal Injury Association, Washington DC.
260. Kelly E, Klaas S, Russell H, Daharsh E, Vogel L. Outcomes of traumatic and non-traumatic spinal cord injury in children. *Top Spinal Cord Inj Rehabil.* 2011; 16 (Suppl 1):24. Presentation at 2011 Annual meeting of the American Spinal Injury Association, Washington DC.
261. Klaas S, Kelly E, Vogel L. Change in socio-economic status related to psychosocial factors among youth with spinal cord injury. *Top Spinal Cord Inj Rehabil.* 2011; 16 (Suppl 1):25. Presentation at 2011 Annual meeting of the American Spinal Injury Association, Washington DC.

262. Patt P, Vogel LC, Wolfman L. Prevalence of vitamin D deficiency in youth with spinal cord injury. *Top Spinal Cord Inj Rehabil.* 2011; 16 (Suppl 1):26. Presentation at 2011 Annual meeting of the American Spinal Injury Association, Washington DC.
263. Zebracki K, Vogel LC, Chlan K. Use of attendant care in individuals with pediatric-onset tetraplegia. *Top Spinal Cord Inj Rehabil.* 2011; 16 (Suppl 1):27-28. Presentation at 2011 Annual meeting of the American Spinal Injury Association, Washington DC.
264. Mulcahey MJ, Haley S, Calhoun C, Vogel LC. Evaluation of item banks of daily routines and participation for patient reported outcomes following spinal cord injury using computer adaptive testing platforms. *Top Spinal Cord Inj Rehabil.* 2011; 16 (Suppl 1):50. Presentation at 2011 Annual meeting of the American Spinal Injury Association, Washington DC.
265. Chlan K, Vogel LC, Zebracki K, The effect of age at injury on outcomes in adults with pediatric-onset tetraplegia. *Top Spinal Cord Inj Rehabil.* 2011; 16 (Suppl 1):58. Poster at 2011 Annual meeting of the American Spinal Injury Association, Washington DC.
266. Slavens BA, Graf A, Krzak J, Vogel L, Harris GF. Upper Extremity Wheelchair Kinematics in Children with Spinal Cord Injury. 33rd Annual International Conference of the IEEE EMBS Boston, Massachusetts USA, August 30 - September 3, 2011. *Conf Proc IEEE Eng Med Biol Soc.* 2011:8158-8161.
267. Kelly, E., H., Anderson, C. J., Garma, S. I., Russell, H., Klaas, S. J., Gorzkowski, J., & Vogel, L. C. (2011). *Relationships between Outcomes of Caregivers and Youth with Spinal Cord Injury* (Poster Presentation). Presented at the 2011 Biennial Meeting of the Society for Community Research and Action, Chicago, IL.
268. Vogel LC, Zebracki K, DeVivo MJ, Chlan KM, Moss A. Cause of Death in Children and Adolescents with a Spinal Cord Injury. Presentation at the Annual meeting of the Academy of Spinal Cord Injury Professionals. Las Vegas, September 2011.
269. Lindwall J, Russell H, Mulcahey MJ, Betz R, Kelly EH, Klaas S, Vogel LC. Coping and Participation in Youth with Spinal Cord Injury. Presentation at the Annual meeting of the Academy of Spinal Cord Injury Professionals. Las Vegas, September 2011.
270. Garma SI, Kelly EH, Daharsh EZ, Vogel LC. (2011). Outcomes among Latino and Caucasian Children with Spinal Cord Injury. Presentation at the Annual meeting of the Academy of Spinal Cord Injury Professionals. Las Vegas, September 2011.
271. Kelly EH, Altiock H, Abrams JR, Heather F. Russell HF, Daharsh EZ, Vogel LC. Outcomes of Caregivers of Youth with Spinal Cord Dysfunction. (Oral Presentation). Presented at the 2011 Annual Meeting of the Academy of Spinal Cord Injury Professionals, Las Vegas, NV
272. Patt P, Ortman P, Foley S, Vogel LC. Prevalence of Risk Factors for Metabolic Syndrome among Youth with Spinal Cord Injury. Presentation at the Annual meeting of the Academy of Spinal Cord Injury Professionals. Las Vegas, September 2011.
273. Klaas SJ, Kelly EH, Gorzkowski JA, Vogel LC. Socio-Economic Status and Participation Patterns in Pediatric Spinal Cord Injury. Presentation at the Annual meeting of the Academy of Spinal Cord Injury Professionals. Las Vegas, September 2011.
274. Patt P, Vogel LC, Wood A, Foley S. Eating order prevalence in individuals with Spinal Cord Injury. Poster at the Annual meeting of the Academy of Spinal Cord Injury Professionals. Las Vegas, September 2011.
275. Hwang M, Zebracki K, Chlan K, Vogel LC. Substance use in young adults with pediatric-onset spinal cord injury. Poster at the Annual meeting of the Academy of Spinal Cord Injury Professionals. Las Vegas, September 2011.
276. Wolfman L, Patt P, Vogel LC, Foley S. Vitamin D deficiency and bone mineral density in youth with Spinal Cord Injury. Poster at the Annual meeting of the Academy of Spinal Cord Injury Professionals. Las Vegas, September 2011.

277. Zebracki, K., DeVivo, M., Chlan, K., Moss, A., & Vogel, L. (2011, October). Cause of death for children and adolescents with a spinal cord disorder. Poster session at the 65<sup>th</sup> Annual Meeting of the American Academy of Cerebral Palsy and Developmental Medicine, Las Vegas, NV. *Developmental Medicine and Child Neurology*, 53(Suppl 5), 74.
278. Hwang, M., Zebracki, K., Chlan, K., & Vogel, L. (2011, October). Substance use in young adults with pediatric-onset spinal cord injury. Presentation at the 88<sup>th</sup> Annual Meeting of the American Congress of Rehabilitation Medicine/ 18<sup>th</sup> Annual Meeting of the American Society of Neurorehabilitation, Atlanta, GA. *Archives of Physical Medicine and Rehabilitation*, 92(10), 1691.
279. Prasad, M., Zebracki, K., Chaviano, A., & Vogel, L. (2011, October). Adults with Pediatric-Onset Spinal Cord Injuries: Associations with Urinary Tract Infection. Poster session at the American Academy of Pediatrics National Conference and Exhibition, Boston, MA.
280. Prasad, M., Zebracki, K., Chaviano, A., & Vogel, L. (2011, October). Adults with Pediatric-Onset Spinal Cord Injury: Associations with Urinary Tract Infection. Presentation at the North Central Section of the American Urological Association, Inc. 85<sup>th</sup> Annual Meeting, Rancho Mirage, CA.
281. Abrams, J. R., Kelly, E. H., Altiok, H., Russell, H. F., Daharsh, E. Z., & Vogel, L.C. (2012). *Outcomes of Caregivers of Youth with Spinal Cord Dysfunction* (Poster Presentation). Presented at the Second World Congress on Spina Bifida Research and Care, Las Vegas, NV.
282. Kelly, E. H., Altiok, H., Abrams, J. R., Russell, H. F., Daharsh, E. Z., & Vogel, L. C. (2012). Outcomes of Caregivers of Youth with Spinal Cord Dysfunction. (Award-Eligible Oral Presentation). Presented at the 38<sup>th</sup> Annual Meeting of the American Spinal Injury Association, Denver, CO. *Top Spinal Cord Inj Rehabil.* 2012; 18 (Suppl 1):215
283. Klaas, S. J., Kelly, E. H., Anderson, C. J., & Vogel, L. C. (2012). Depression in Adolescents with Pediatric-Onset Spinal Cord Injury. (Oral Presentation). Presented at the 38<sup>th</sup> Annual Meeting of the American Spinal Injury Association, Denver, CO. *Top Spinal Cord Inj Rehabil.* 2012; 18 (Suppl 1):225
284. Garma, S. I., Kelly, E. H., Daharsh, E. Z., & Vogel, L. C. (2012). Outcomes among Latino and Caucasian Children with Spinal Cord Injury (Award-Eligible Poster Presentation). Presented at the 38<sup>th</sup> Annual Meeting of the American Spinal Injury Association, Denver, CO. *Top Spinal Cord Inj Rehabil.* 2012; 18 (Suppl 1):212
285. Russell, H., Lindwall, J., Mulcahey, M. J., Betz, R., Kelly, E. H., Klaas, S., & Vogel, L. C. (2012). Coping and Participation in Youth with Spinal Cord Injury (Poster Presentation). Presented at the 38<sup>th</sup> Annual Meeting of the American Spinal Injury Association, Denver, CO. *Top Spinal Cord Inj Rehabil.* 2012; 18 (Suppl 1):242
286. Russell, H. F., Smith, T. F., Kelly, E. H., Mulcahey, M. J., Betz, R. R., & Vogel, L. C. (2012). An Analysis of the Kidcope in Pediatric Spinal Cord Injury (Oral Presentation). Presented at the 38<sup>th</sup> Annual Meeting of the American Spinal Injury Association, Denver, CO. *Top Spinal Cord Inj Rehabil.* 2012; 18 (Suppl 1):25
287. Zebracki K, Chlan KM, Vogel LC. Employment and earnings in adults with pediatric-onset spinal cord injury. (Award-Eligible Poster/Oral Presentation – First Prize). Presented at the 38<sup>th</sup> Annual Meeting of the American Spinal Injury Association, Denver, CO. *Top Spinal Cord Inj Rehabil.* 2012; 18 (Suppl 1):210.
288. Chlan KM, Vogel LC, Zebracki K. Medical complications and aging in adults with pediatric-onset SCI. Employment and earnings in adults with pediatric-onset spinal cord injury. (Oral Presentation). Presented at the 38<sup>th</sup> Annual Meeting of the American Spinal Injury Association, Denver, CO. *Top Spinal Cord Inj Rehabil.* 2012; 18 (Suppl 1):223.

289. Hwang M, Vogel LC, Zebracki K. Baseline blood pressure and heart rates in youth with spinal cord injury. (Oral Presentation). Presented at the 38<sup>th</sup> Annual Meeting of the American Spinal Injury Association, Denver, CO. *Top Spinal Cord Inj Rehabil.* 2012; 18 (Suppl 1):226.
290. Mulcahey MJ, Calhoun C, Tian F, Vogel L, Haley S. Validity of newly developed computer adaptive tests of mobility, activity performance, and participation. (Oral Presentation). Presented at the 38<sup>th</sup> Annual Meeting of the American Spinal Injury Association, Denver, CO. *Top Spinal Cord Inj Rehabil.* 2012; 18 (Suppl 1):227.
291. Pak M, Harkema S, Vogel L, Williams S, Krassioukov AV. Management of autonomic dysreflexia by emergency medical services: existing gaps in knowledge. (Award-Eligible Oral Presentation; third prize). Presented at the 38<sup>th</sup> Annual Meeting of the American Spinal Injury Association, Denver, CO. *Top Spinal Cord Inj Rehabil.* 2012; 18 (Suppl 1):214.
292. Zebracki K, Chlan KM, Vogel LC. Adult outcomes in childhood-onset spinal cord injury. (Poster). *Pediatric Academic Societies 2012.* Boston, MA.
293. Slavens B, Paul A, Graf A, Krzak J, Vogel L, Harris G. Upper Extremity Kinematics in Children with Spinal Cord Injury During Wheelchair Mobility. *Gait and Clinical Movement Analysis Society Conference, Grand Rapids, MI, 2012.*
294. Chlan KM, Vogel LC, Zebracki K. Medical complications and aging in adults with pediatric-onset SCI. (poster) *PVA Summit 2012.* September 2012, Las Vegas Nevada
295. Kelly, E. H., Russell, H., Garma, S., Klaas, S., Zebracki, K., & Vogel, L. C. (2012). Outcomes of youth with spinal cord injury of short and long duration. (Poster Presentation). Presented at the Annual Meeting of the International Spinal Cord Society, London, UK
296. Zebracki K, Chlan K, Vogel LC. (2012). Effect of mobility on long-term outcomes of childhood-onset tetraplegic spinal cord injury. Presented at the Annual Meeting of the International Spinal Cord Society, London, UK
297. Kelly, E. H., Russell, H., Garma, S., Klaas, S., Zebracki, K., & Vogel, L. C. (2012). Duration if injury and outcomes in pediatric spinal cord injury. (Oral Presentation). Presented at the Annual Meeting of the Academy of Spinal Cord Injury Professionals, Las Vegas, NV
298. Klaas, S. J., Kelly, E. H., Anderson, C. J., & Vogel, L. C. (2012). Depression in Adolescents with Pediatric-Onset Spinal Cord Injury. (Oral Presentation). Presented at the Annual Meeting of the Academy of Spinal Cord Injury Professionals, Las Vegas, NV
299. Riordan, A., Kelly, E. H., Klaas, S. J., & Vogel, L. C. (2012). Outcomes among youth with complete and incomplete spinal cord injury. (Oral Presentation). Presented at the Annual Meeting of the Academy of Spinal Cord Injury Professionals, Las Vegas, NV
300. Russell, H. F., Smith, T. F., Kelly, E. H., Mulcahey, M. J., Betz, R. R., & Vogel, L. C. (2012). Caregiver coping and participation in youth with spinal cord injury. (Oral Presentation). Presented at the Annual Meeting of the Academy of Spinal Cord Injury Professionals, Las Vegas, NV
301. Zebracki, K., January, A., Chlan, K., Hwang, M., Wasserman, R., & Vogel, L. (2012, November). Long-term mental health outcomes of individuals with childhood-onset spinal cord injury. Presentation at the Howard H. Steel Conference Pediatric Spinal Injuries and Dysfunction, Orlando, FL.
302. Vogel, L., Zebracki, K., Chlan, K., Hwang, M., Wasserman, R., & January, A. (2012, November). Long-term outcomes of individuals with childhood-onset spinal cord injury. Presentation at the Howard H. Steel Conference Pediatric Spinal Injuries and Dysfunction, Orlando, FL.

303. Hwang, M., Vogel, L., Zebracki, K. (2012, November). Baseline blood pressure and heart rate in youth with spinal cord injury. Presentation at the Howard H. Steel Conference Pediatric Spinal Injuries and Dysfunction, Orlando, FL.
304. Flanagan, A., Kelly, E. H., Vogel, L. C. (2012). Comparison of Psychosocial Outcomes between Youth with Early Onset Spinal Cord Injury and those with Spina Bifida (Oral Presentation). Presented at the 2012 Howard H. Steel Conference: Pediatric Spinal Cord Injuries & Dysfunction, Lake Buena Vista, FL.
305. Kelly, E. H., Altiok, H., Abrams, J. R., Russell, H. F., Daharsh, E. Z., & Vogel, L. C. (2012). Outcomes of Caregivers of Youth with Spinal Cord Dysfunction (Oral Presentation). Presented at the 2012 Howard H. Steel Conference: Pediatric Spinal Cord Injuries & Dysfunction, Lake Buena Vista, FL.
306. Slavens B, Paul A, Graf A, Krzak J, Vogel L, Harris G. Biomechanical Model of Pediatric Upper Extremity Dynamics During Wheelchair Mobility. Howard Steel Conference, Orlando, FL, 12/1/2012.
307. Slavens B, Paul A, Graf A, Krzak J, Vogel L, Harris G. Biomechanical Analysis of Wheelchair Propulsion Howard H. Steel Conference, Orlando, Florida, USA. 12/1/2012.
308. January, A., Zebracki, K., & Vogel, L. (2013, April). Correlates of mental health outcomes for individuals with childhood-onset spinal cord injury. Poster session at the National Conference in Pediatric Psychology, New Orleans, LA.
309. January, A., Kelly, E., Russell, H., & Vogel, L. (2013, April). Coping strategy use in school-aged children with spinal cord injury. Poster session at the National Conference in Pediatric Psychology, New Orleans, LA.
310. Russell, H., January, A., Kelly, E., Mulcahey, M., Betz, R., & Vogel, L. (2013, April). Coping strategy and relationships with psychosocial outcomes in adolescents with spinal cord injury. Poster session at the National Conference in Pediatric Psychology, New Orleans, LA.
311. Chlan, K., Zebracki, K., & Vogel, L. (2013, May). Sexual intimacy in adults with pediatric-onset spinal cord injury. Poster session at the 40th Annual Scientific Meeting of the American Spinal Injury Association, Chicago, IL. *Top Spinal Cord Inj Rehabil.* 2013; (Suppl 1):10.
312. Klaas SJ, Kelly E, Vogel LC. Job-related participation in school-aged children with spinal cord injury. Poster session at the 40th Annual Scientific Meeting of the American Spinal Injury Association, Chicago, IL. *Top Spinal Cord Inj Rehabil.* 2013; (Suppl 1):11.
313. Kelly EH, Flanagan A, Vogel LC. Secondary conditions among youth with spinal cord injuries. Poster session at the 40th Annual Scientific Meeting of the American Spinal Injury Association, Chicago, IL. *Top Spinal Cord Inj Rehabil.* 2013; (Suppl 1):12.
314. Patt P, Vogel LC, Ortman P, Foley S. Defining overweight and obesity in youth with spinal cord injury: the first step in prevention of metabolic syndrome. Platform presentation at the 40th Annual Scientific Meeting of the American Spinal Injury Association, Chicago, IL. *Top Spinal Cord Inj Rehabil.* 2013; (Suppl 1):21.
315. January, A., Zebracki, K., Chlan, K., Hwang, M., & Vogel, L. (2013, May). Change in depression scores over time for individuals with pediatric-onset spinal cord injury. Presentation at the 40<sup>th</sup> Annual Scientific Meeting of the American Spinal Injury Association, Chicago, IL. *Top Spinal Cord Inj Rehabil.* 2013; (Suppl 1):30.
316. Hwang, M., Zebracki, K., Chlan, K., & Vogel, L. (2013, May). Longitudinal changes in medical complications in adults with pediatric-onset spinal cord injury. Presentation at the 40<sup>th</sup> Annual Scientific Meeting of the American Spinal Injury Association, Chicago, IL. *Top Spinal Cord Inj Rehabil.* 2013; (Suppl 1):30.
317. Garma SI, Kelly EH, Daharsh EZ, Vogel LC. Spinal cord injury in children ages 1-5: caregiver perspective. Platform presentation at the 40th Annual Scientific Meeting of the

- American Spinal Injury Association, Chicago, IL. *Top Spinal Cord Inj Rehabil.* 2013; (Suppl 1):31.
318. Riordan AL, Kelly EH, Klaas SJ, Vogel LC. Examination of outcomes of youth with spinal cord injury by neurological impairment. Platform presentation at the 40th Annual Scientific Meeting of the American Spinal Injury Association, Chicago, IL. *Top Spinal Cord Inj Rehabil.* 2013; (Suppl 1):32.
319. Flanagan A, Kelly EH, Vogel LC. Psychosocial outcomes of youth with early onset spinal cord injury and those with spina bifida. Poster presentation at the 40th Annual Scientific Meeting of the American Spinal Injury Association, Chicago, IL. *Top Spinal Cord Inj Rehabil.* 2013; (Suppl 1):46.
320. Patt P, Vogel LC, Wolfman L. A three year review of Vitamin D status and bone density during growth and development in pediatric spinal cord injury. Poster presentation at the 40th Annual Scientific Meeting of the American Spinal Injury Association, Chicago, IL. *Top Spinal Cord Inj Rehabil.* 2013; (Suppl 1):55.
321. Graf A, Vogel L, Krzak J, Slavens B, Paul A, Harris G. An assessment of wrist joint dynamics during wheelchair propulsion. Poster presentation at the 40th Annual Scientific Meeting of the American Spinal Injury Association, Chicago, IL. *Top Spinal Cord Inj Rehabil.* 2013; (Suppl 1):58.
322. Russell HF, January A, Kelly EH, Mulcahey MJ, Betz RR, Vogel LC. Coping strategy use and relationships with psychosocial outcomes in adolescents with spinal cord injury. Poster presentation at the 40th Annual Scientific Meeting of the American Spinal Injury Association, Chicago, IL. *Top Spinal Cord Inj Rehabil.* 2013; (Suppl 1):59.
323. Paul AJ, Slavens BA, Graf A, Krzak J, Vogel L, Harris GF. Glenohumeral Joint Dynamics during Wheelchair Mobility. GCMAS Conference. Cincinnati, Ohio, 2013.
324. Chlan, K., Zebracki, K., & Vogel, L. (2013, August). Sexual intimacy in adults with pediatric-onset spinal cord injury. Poster session at the Paralyzed Veterans of America Summit 2013, Orlando, FL.
325. Ward, A., Zebracki, K., & Vogel, L. (2013, August). Exercise, life satisfaction, and depressive symptoms among individuals with spinal cord injury. Poster session at the Paralyzed Veterans of America Summit 2013, Orlando, FL.
326. Riordan AL, Flanagan A, Vogel LC, Kelly EH. Barriers and outcomes among youth with spinal cord injuries. (Award winning student research presentation). Presented at the Annual Meeting of the Academy of Spinal Cord Injury Professionals, Las Vegas. *J Spinal Cord Med* 2013;36:505-506.
327. Russell HF, January A, Kelly EH, Mulcahey MJ, Betz RR, Vogel LC. Coping strategy use with psychosocial outcomes in adolescents with spinal cord injury. Presented at the Annual Meeting of the Academy of Spinal Cord Injury Professionals, Las Vegas. *J Spinal Cord Med* 2013;36:510-511.
328. Klaas SJ, Kelly EH, Vogel LC. Job-related participation school-aged children with spinal cord injury. Poster at the Annual Meeting of the Academy of Spinal Cord Injury Professionals, Las Vegas. *J Spinal Cord Med* 2013;36:547.
329. Flanagan A, Vogel LC, Kelly EH. Outcomes of youth with spinal cord injury and spina bifida. Poster at the Annual Meeting of the Academy of Spinal Cord Injury Professionals, Las Vegas. *J Spinal Cord Med* 2013;36:548.
330. Kelly EH, Flanagan A, Vogel LC. Secondary conditions among youth with spinal cord injuries. Poster at the Annual Meeting of the Academy of Spinal Cord Injury Professionals, Las Vegas. *J Spinal Cord Med* 2013;36:549-550.
331. January A, Zebracki K, Chlan KM, Vogel LC. Violent etiology and associated outcomes in pediatric spinal cord injury. Poster at the Annual Meeting of the Academy of Spinal Cord Injury Professionals, Las Vegas. *J Spinal Cord Med* 2013;36:551-552.

332. January AM, Kelly EH, Zebracki K, Russell HF, Vogel LC. Coping with childhood onset disability and psychosocial outcomes : a comparison of coping patterns across the lifespan. Presentation at the annual American Academy of Cerebral Palsy and Developmental Medicine, Milwaukee, WI. *Dev Med Child Neurol* 2013; 55:3 (Suppl 3).
333. Kelly EH, Flanagan A, Vogel. Secondary conditions among youth with spinal cord injuries. Presentation at the annual American Academy of Cerebral Palsy and Developmental Medicine, Milwaukee, WI. *Dev Med Child Neurol* 2013; 55:28 (Suppl 3).
334. Ward A, Zebracki K, Vogel LC. Exercise, life satisfaction and depressive symptoms among individuals with pediatric-onset spinal cord injury. Poster at the annual American Academy of Cerebral Palsy and Developmental Medicine, Milwaukee, WI. *Dev Med Child Neurol* 2013;67: 28 (Suppl 3).
335. Kelly EH, Flanagan A, Vogel LC. (2013) Secondary conditions among youth with spinal cord injury. Poster at the Annual Meeting of the International Spinal Cord Society. Istanbul, Turkey.
336. Zebracki K, Chlan KM, Vogel LC. (2013) Employment status of adults with pediatric-onset spinal cord injury. Poster at the Annual Meeting of the International Spinal Cord Society. Istanbul, Turkey.
337. Holbein, C., Zebracki, K., Chlan, K., & Vogel, L. (2014, March). Romantic relationship involvement and sexual activity in adults with pediatric-onset spinal cord injury. Poster session at Society of Pediatric Psychology Annual Meeting, Philadelphia, PA.
338. January, A., Zebracki, K., & Vogel, L. (2014, March). Sleep problems in young adults with spinal cord injury: A longitudinal study of sleep and associated risk after pediatric-onset spinal cord injury. Poster session at Society of Pediatric Psychology Annual Meeting, Philadelphia, PA.
339. Russell, H., Kelly, E. H., Morrison, M., Mulcahey, MJ, Betz, R., & Vogel, L. C. (2014). Problem solving: Relationships with psychosocial outcomes in youth with spinal cord injury. (Oral Presentation). Presented at the Annual Conference of the Society of Pediatric Psychology, Philadelphia, PA.
340. Hwang M., Zebracki K., Chlan K., Vogel L. (2014). Longitudinal employment outcomes in adults with pediatric-onset spinal cord injury. Presentation at the 40<sup>th</sup> Annual Scientific Meeting of the American Spinal Injury Association, San Antonio, TX. *Top Spinal Cord Inj Rehabil.* 2014; 20 (Suppl 1):10.
341. Zebracki K., Holbein C., Chlan K., Vogel L. (2014). Dating and relationships in adults with pediatric-onset spinal cord injuries. Presentation at the 40<sup>th</sup> Annual Scientific Meeting of the American Spinal Injury Association, San Antonio, TX. *Top Spinal Cord Inj Rehabil.* 2014; 20 (Suppl 1):8.
342. January A., Zebracki K., Chlan K., Vogel L. (2014). Understanding personal growth and resiliency in response to pediatric-onset spinal cord injury. Poster session at the 40<sup>th</sup> (Second prize for best poster) Annual Scientific Meeting of the American Spinal Injury Association, San Antonio, TX. *Top Spinal Cord Inj Rehabil.* 2014; 20 (Suppl 1):61.
343. Flanagan A, Klaas S, Vogel LC, Kelly EH. (2014). Digital media use, participation, and quality of life among youth with spinal cord injury. Presentation at the 40<sup>th</sup> Annual Scientific Meeting of the American Spinal Injury Association, San Antonio, TX. *Top Spinal Cord Inj Rehabil.* 2014; 20 (Suppl 1):7.
344. Russell, H., Kelly, E. H., Morrison, M., Mulcahey, MJ, Betz, R., & Vogel, L. C. (2014). Problem solving: Relationships with psychosocial outcomes in youth with spinal cord injury. Presentation at the 40<sup>th</sup> Annual Scientific Meeting of the American Spinal Injury Association, San Antonio, TX. *Top Spinal Cord Inj Rehabil.* 2014; 20 (Suppl 1):8-9.
345. Kelly EH, Riordan A, Klaas S, Russell H, Fogg L, Vogel LC. (2014). A longitudinal examination of anxiety and depression among youth with spinal cord injury: the importance of caregiver and community factors. Presentation at the 40<sup>th</sup> Annual Scientific

- Meeting of the American Spinal Injury Association, San Antonio, TX. *Top Spinal Cord Inj Rehabil.* 2014; 20 (Suppl 1):9.
346. Kelly EH, Flannagan A, Klaas S, Vogel LC. (2014). Digital Media Use, Participation, and Quality of Life among Youth with Spinal Cord Injury. 53rd Annual Scientific Meeting of the International Spinal Cord Society, Maastricht, Netherlands. Presentation
  347. January A., Zebracki K., Chlan K., Vogel L. (2014) 53rd Annual Scientific Meeting of the International Spinal Cord Society, Maastricht, Netherlands. Poster.
  348. Mulcahey MJ, Bent L, Calhoun C, Gaughan J, Vogel L. Psychometric evaluation of Independence Measure-III Poster (Third prize for best poster) at the 40<sup>th</sup> Annual Scientific Meeting of the American Spinal Injury Association, San Antonio, TX. *Top Spinal Cord Inj Rehabil.* 2014; 20 (Suppl 1):64.
  349. Kelly, E. H., Riordan, A., Klaas, S., Russell, H., Fogg, L., & Vogel, L. C. (2014). Mental health in pediatric spinal cord injury: Contextual Influences. (Oral Presentation). Presented at the Annual Educational Conference of the Academy of Spinal Cord Injury Professionals, St. Louis, MO.
  350. Klaas, S. J., Flanagan, A., Vogel, L. C., & Kelly, E. H. (2014). Digital media use, participation, and quality of life among youth with spinal cord injury. (Oral Presentation). Presented at the Annual Educational Conference of the Academy of Spinal Cord Injury Professionals, St. Louis, MO.
  351. Riordan, A. L., Kelly, E. H., & Vogel, L. C. (2014). Counseling service use by youth with spinal cord injury. (Poster Presentation). Presented at the Annual Educational Conference of the Academy of Spinal Cord Injury Professionals, St. Louis, MO.
  352. Russell, H., Kelly, E. H., Morrison, M., Mulcahey, MJ, Betz, R., & Vogel, L. C. (2014). Problem solving: Relationships with psychosocial outcomes in youth with spinal cord injury. (Oral Presentation). Presented at the Annual Educational Conference of the Academy of Spinal Cord Injury Professionals, St. Louis, MO.
  353. Kelly, E. H., Riordan, A., Klaas, S., Russell, H.F., Fogg, L., Vogel, L. C. (2014). A longitudinal examination of anxiety and depression among youth with spinal cord injury: the importance of caregiver and community factors. Problem solving: Relationships with psychosocial outcomes in youth with spinal cord injury. Presentation at the American Academy for Cerebral Palsy and Developmental Medicine 68<sup>th</sup> Annual Meeting. *Dev Med Child Neurol* 2014: 56:49 (Suppl 5).
  354. January A.M., Zebracki K., Chlan K., Vogel L.C.. (2014). The role of bladder management and functional mobility in promoting life satisfaction over time for individuals with childhood onset disabilities. Presentation at the American Academy for Cerebral Palsy and Developmental Medicine 68<sup>th</sup> Annual Meeting. *Dev Med Child Neurol* 2014: 56:101 (Suppl 5).
  355. Vogel, L.C., Patt, P.L., Lescher, S., Yamaki, K., Lowry B.D., Rimmer, J.. Obesity among adolescents with physical disabilities. Poster at the American Academy for Cerebral Palsy and Developmental Medicine 68<sup>th</sup> Annual Meeting. *Dev Med Child Neurol* 2014: 56:37 (Suppl 5).
  356. Mulcahey MJ, Tian F, Jette A, Vogel LC. Linking pediatric and adult spinal cord injury outcome instruments. Poster at the American Academy for Cerebral Palsy and Developmental Medicine 68<sup>th</sup> Annual Meeting. *Dev Med Child Neurol* 2014: 56:37-38 (Suppl 5).
  357. January, A., Kelly, E., Russell, H., Zebracki, K., & Vogel, L. (2015, March). Patterns of coping among caregivers of children with spinal cord injury: Associations with parent and child well-being. Poster Session at the Society for Research in Child Development Biennial Meeting, Philadelphia, PA.
  358. Mulcahey MJ, Calhoun C, Vogel LC, Kelly E. Development And Initial Validation Of The Spinal Cord Independence Measure-III --Youth (SCIM-III-Youth). 4<sup>th</sup> International



- Spinal Cord Society and American Spinal Injury Association Joint Scientific Meeting, Montreal, Canada. May 2015
359. Mulcahey MJ, Slavin M, Ni P, Vogel L, Calhoun C, Jette A. Development And Initial Evaluation Of The Pediatric Spinal Cord Injury Measures (PEDI-SCI) Short Forms. 4<sup>th</sup> International Spinal Cord Society and American Spinal Injury Association Joint Scientific Meeting, Montreal, Canada. May 2015
  360. Mulcahey MJ, Slavin M, Ni P, Vogel L, Calhoun C, Jette A. Participation trajectories of youth with and without spinal cord injury, aged 4-21. 4<sup>th</sup> International Spinal Cord Society and American Spinal Injury Association Joint Scientific Meeting, Montreal, Canada. May 2015.
  361. Hwang, M., Zebracki, K., & Vogel, L. (2015, May). Medication profile and polypharmacy in adults with pediatric-onset spinal cord injury. Poster session at the 4<sup>th</sup> International Spinal Cord Society and American Spinal Injury Association Joint Scientific Meeting, Montreal, Canada.
  362. January, A., Kelly, E., Russell, H., Zebracki, K., & Vogel, L. (2015, May). Caregiver coping profiles and their association with child and parental well-being. Poster session at the 4<sup>th</sup> International Spinal Cord Society and American Spinal Injury Association Joint Scientific Meeting, Montreal, Canada.
  363. Zebracki, K., Murray, C., Chlan, K., Moss, A., & Vogel, L. (2015, May). Pain and psychosocial outcomes in adults with pediatric-onset spinal cord injury. Poster session at the 4<sup>th</sup> International Spinal Cord Society and American Spinal Injury Association Joint Scientific Meeting, Montreal, Canada.
  364. Kelly, E., Riordan, A., Thorpe, S., Zebracki, K., & Vogel, L. (2015, May). Relationships between caregiver characteristics and physical and psychosocial quality of life among youth with spinal cord injury. Poster session at the 4<sup>th</sup> International Spinal Cord Society and American Spinal Injury Association Joint Scientific Meeting, Montreal, Canada.
  365. Morrison, M., Kelly, E. H., Russell, H., Vogel, L. C (2015). Care-giver perspective of the rewards of parenting youth with spinal cord injuries. Poster session at the 4<sup>th</sup> International Spinal Cord Society and American Spinal Injury Association Joint Scientific Meeting, Montreal, Canada. (Award winning poster).
  366. Kelly EH, Riordan AL, Thorpe S, Zebracki K, Vogel LC. (2015). Caregiver characteristics and youth outcomes in pediatric spinal cord injury. *J Spinal Cord Med* 2015. 38:648-9. Presentation at Academy of Spinal Cord Injury Professionals Annual Meeting, New Orleans, Louisiana.
  367. Russell H, Riordan AL, Kelly EH, Vogel LC. (2015). Problem solving orientation: is the glass half-full or half-empty? *J Spinal Cord Med* 2105; 38:661-2. Presentation at Academy of Spinal Cord Injury Professionals Annual Meeting, New Orleans, Louisiana.
  368. Vogel LC, Chlan KM, Zebracki K. (2015). Fertility in Adults with pediatric-onset spinal cord injury. Presentation at Academy of Spinal Cord Injury Professionals Annual Meeting, New Orleans, Louisiana.
  369. Riordan AL, Kelly EH, Vogel LC. (2015). Exploring job-related participation among youth. *J Spinal Cord Med* 2105; 38:676-7. Poster at Academy of Spinal Cord Injury Professionals Annual Meeting, New Orleans, Louisiana.
  370. January A, Zebracki K, Chlan K, Vogel L. The clinical significance of sleep quality for adults with pediatric-onset spinal cord injury. Presentation at the American Academy for Cerebral Palsy and Developmental Medicine 69<sup>th</sup> Annual Meeting. *Dev Med Child Neurol* 2015; 57:14. (Suppl 5)
  371. Mulcahey M, Slavin M, Vogel L, Ni P. Participation trajectories of youth with and without spinal cord injury. Presentation at the American Academy for Cerebral Palsy and Developmental Medicine 69<sup>th</sup> Annual Meeting. *Dev Med Child Neurol* 2015; 57:15. (Suppl 5).

372. Kelly E, Riordan A, Thorpe S, Zebracki K, Vogel L. Relationships between caregiver characteristics and physical and psychosocial quality of life among youth spinal cord injury. Presentation at the American Academy for Cerebral Palsy and Developmental Medicine 69<sup>th</sup> Annual Meeting. *Dev Med Child Neurol* 2015; 57:14. (Suppl 5)
373. Calhoun Thielen CL, Sadowsky C, Kozin S, Vogel LC, Davidson L, Bultman J, Taylor H, Gaughan JP, Mulcahey MJ. Evaluation of the Walking Index for Spinal Cord Injury II (WISCI II) in children with spinal cord injury. Presentation at the 42nd Annual Scientific Meeting of the American Spinal Injury Association, Philadelphia. *Top Spinal Cord Injury Rehabil* 2016, 22:S19-20. (Suppl 1).
374. Kelly EHK, Riordan AL, Sozzer Fh, Fogg L, Zebracki K, Vogel LC. Evaluating a pilot intervention for care-givers of youth with spinal cord injury. Presentation at the 42nd Annual Scientific Meeting of the American Spinal Injury Association, Philadelphia. *Top Spinal Cord Injury Rehabil* 2016, 22:S20. (Suppl 1).
375. January AM, Zebracki K, Chlan KM, Vogel LC. Poor sleep in adults with pediatric onset spinal cord injury: associations with pain, health, and activity. Presentation at the 42nd Annual Scientific Meeting of the American Spinal Injury Association, Philadelphia. *Top Spinal Cord Injury Rehabil* 2016, 22:S21. (Suppl 1).
376. Espino Ryerson S, Kelly EHK, Akinose T, Harris GF, Ghaffari A, Richardson M, Chen D, Lee R, Vogel LC. Caregivers of adults with pediatric onset SCI: an exploration of unmet needs. Presentation at the 42nd Annual Scientific Meeting of the American Spinal Injury Association, Philadelphia. *Top Spinal Cord Injury Rehabil* 2016, 22:S28. (Suppl 1).
377. Espino Ryerson S, Kelly EHK, Riordan A, Vogel LC. Caregivers of children with SCI; unmet needs and support preferences. Presentation at the 42nd Annual Scientific Meeting of the American Spinal Injury Association, Philadelphia. *Top Spinal Cord Injury Rehabil* 2016, 22:S28-29. (Suppl 1).
378. Mulcahey MJ, Calhoun CL, Sadowsky C, Kozin S, Vogel LC, Davidson L, Bultman J, Taylor H, Gaughan JP. Performance of the SCIM III in youth with spinal cord injury. Presentation at the 42nd Annual Scientific Meeting of the American Spinal Injury Association, Philadelphia. *Top Spinal Cord Injury Rehabil* 2016, 22:S32. (Suppl 1).
379. Kurapati NT, Zebracki K, Gill EG, Vogel LC. Rural versus urban differences in healthcare utilization and long-term outcomes in adults with pediatric onset spinal cord injury. Award Winning Poster Association, Philadelphia. *Top Spinal Cord Injury Rehabil* 2016, 22:S57-58. (Suppl 1).
380. Hartley N, Zebracki K, Chlan KM, Vogel LC. Mental health utilization by adults with pediatric onset spinal cord injury. Poster at the 42nd Annual Scientific Meeting of the American Spinal Injury Association, Philadelphia. *Top Spinal Cord Injury Rehabil* 2016; S66-67. (Suppl 1).
381. Hwang M, Zebracki K, Vogel LC. Long-term outcomes and longitudinal changes of neurogenic bowel management in adults with pediatric onset spinal cord injury. Poster at the 42nd Annual Scientific Meeting of the American Spinal Injury Association, Philadelphia. *Top Spinal Cord Injury Rehabil* 2016, 22:S67-68. (Suppl 1).
382. Kelly EHK, Hassani S, Smith J, Thorpe S, Sozzer FH, Atchley P, Sullivan E, Larson D, Vogel LC. Preventing distracted driving among college students. Poster at the 42nd Annual Scientific Meeting of the American Spinal Injury Association, 2016, Philadelphia.
383. Kelly EH, Hassani S, Smith J, Thorpe S, Sozzer F, Atchey P, Sullican E, Larson D, Vogel LC. Preventing distracted driving among college students. Presentation at Pediatric Academic Society annual meeting 2016, Baltimore, MA.
384. Kelly EH, Sozzer F, Fogg L, Zebracki K, Vogel LC. Evaluating a pilot intervention for caregivers of youth with spinal cord injury. Poster at Pediatric Academic Society annual meeting 2016, Baltimore, MA.

385. Akinlose T, Espino Ryerson S, Kelly EHK, Ghaffari A, Harris G, Richardson M, Chen, D, Lee R, Vogel LC. Burden among caregivers of adults with spinal cord injury. Platform presentation at PVA Summit 2016; Orlando Florida.
386. Chlan KM, Zebracki K, Vogel LC. Parenting and Fertility in middle adulthood following pediatric-onset spinal cord injury. Poster presentation at PVA Summit 2016; Orlando Florida.
387. Mulcahey MJ, Vogel LC, Carroll A. International spinal cord injury data sets and National Institute Neurologic Disorders and Stroke Spinal Cord Injury Common Data Elements. Presentation at Academy of Spinal Cord Injury Professionals Annual Meeting 2016; Nashville, TN.
388. Ryerson Espino S, Kelly EHK, Akinlose T, Harris G, Ghaffari A, Richardson M, Chen, D, Lee R, Vogel LC. Burden among caregivers of adults with spinal cord injury. Presentation at Academy of Spinal Cord Injury Professionals Annual Meeting 2016; Nashville, TN. *J Spinal Cord Med* 2016; 39:549-550.
389. Riordan A, Kelly EHK, Sozzer FH, Fogg L, Zebracki K, Vogel LC. Pilot intervention for caregivers of youth with spinal cord injury. Presentation at Academy of Spinal Cord Injury Professionals Annual Meeting 2016; Nashville, TN. *J Spinal Cord Med* 2016; 39:5630564.
390. Russell Heather, Ryerson Espino S, Kelly EHK, Zebracki K, Vogel LC. Problem-solving in adolescents with spinal cord injury and their caregivers. Presentation at Academy of Spinal Cord Injury Professionals Annual Meeting 2016; Nashville, TN. *J Spinal Cord Med* 2016; 39:566.
391. Calhoun Thielen CL, Sadowsky C, Kozin S, Vogel LC, Davidson L, Bultman J, Taylor H, Gaughan JP, Mulcahey MJ. Evaluation of the Walking Index for Spinal Cord Injury II (WISCI II) in children with spinal cord injury. Presentation at the Academy of Spinal Cord Injury Professionals Annual Meeting 2016; Nashville, TN. *J Spinal Cord Med* 2016; 39:552.
392. Calhoun Thielen CL, Sadowsky C, Kozin S, Vogel LC, Davidson L, Bultman J, Taylor H, Gaughan JP, Mulcahey MJ. Performance of the Spinal Cord Injury Independence Measure-III in youth with spinal cord injury. Presentation at the Academy of Spinal Cord Injury Professionals Annual Meeting 2016; Nashville, TN. *J Spinal Cord Med* 2016; 39:563.
393. Ryerson Espino S, Kelly EHK, Akinlose T, Harris G, Ghaffari A, Richardson M, Chen, D, Lee R, Vogel LC. Burden among caregivers of adults with spinal cord injury. Poster at ISCoS annual meeting, Vienna, Austria. 2016.
394. Odenkirchen J, Jakeman L, Mulcahey MJ, Vogel LC, Sheikh M, Ala'i S, ,Esteerlitz J. The National Institute of Neurological Disorders and Stroke (NINDS) Spinal Cord Injury – Pediatric Common Data Elements (CDE) Recommendations. Poster at ISCoS annual meeting, Vienna, Austria. 2016.
395. Slesinger NC, Zebracki K, Terwilliger V, Gowins JR, Vogel LC. PTSD symptomatology in pediatric spinal cord injury and its relation to injury event. Poster at ISCoS annual meeting, Vienna, Austria. 2016.
396. Ryerson Espino S, Kelly EHK, Riordan A, Zebracki K, Vogel L. Personal and family experiences of caregivers of children with SCI. Poster at AACPD annual meeting, Hollywood, FL. 2016.
397. Wojtowicz, A., Miller, S., Vogel, L., Greenley, R., Zebracki, K. (2017, March). Participation in individuals with pediatric-onset spinal cord injury: The examination of social integration. Poster session at the Society of Pediatric Psychology Annual Conference, Portland, OR. (Recipient of the 2016-2017 Foundation for Rehabilitation Psychology Dissertation Award from Division 22 Rehabilitation Psychology).
398. Zebracki, K., Kelly, E., Arango-Lasprilla, J., Augutis, M., Garner, E., Hagen, E., Taylor, H., Vogel, L., & Mulcahey, M. (2017, April). *The NINDS pediatric SCI CDEs for*

- psychosocial and quality of life outcome instruments: Implications for research and practice.* Presentation at the Howard H. Steel Pediatric Precourse of the 2017 Annual Scientific Meeting of the American Spinal Injury Association, Albuquerque, NM.
399. Kurapati, N., Zebracki, K., Chlan, K., & Vogel, L. (2017, April). Income-to-needs ratio on healthcare utilization and long-term outcomes in adults with pediatric-onset spinal cord injury. Poster session at the Howard H. Steel Pediatric Precourse of the 2017 Annual Scientific Meeting of the American Spinal Injury Association, Albuquerque, NM. *Topics in Spinal Cord Injury Rehabilitation, 23* (Suppl 1), 14.
  400. Fernandes, N., Zebracki, K., Chlan, K., & Vogel, L. (2017, April). Areas of post-traumatic growth following pediatric-onset spinal cord injury. Poster session at the Howard H. Steel Pediatric Precourse of the 2017 Annual Scientific Meeting of the American Spinal Injury Association, Albuquerque, NM. *Topics in Spinal Cord Injury Rehabilitation, 23* (Suppl 1), 13-14.
  401. January, A., Kirk, S., Zebracki, K., Chlan, K., & Vogel, L. (2017, April). Violent etiology as an indicator of risk in pediatric-onset spinal cord injury. Presentation at the Howard H. Steel Pediatric Precourse of the 2017 Annual Scientific Meeting of the American Spinal Injury Association, Albuquerque, NM. *Topics in Spinal Cord Injury Rehabilitation, 23* (Suppl 1), 67-68.
  402. Kelly, E., Russell, H., Zebracki, K., & Vogel, L. (2017, April). Overview of psychosocial health among youth with spinal cord injury. Presentation at the Howard H. Steel Pediatric Precourse of the 2017 Annual Scientific Meeting of the American Spinal Injury Association, Albuquerque, NM. *Topics in Spinal Cord Injury Rehabilitation, 23* (Suppl 1), 68.
  403. Ryerson Espino S, O'Rourke K, Kelly EHK, Ghaffari A, Harris G, Richardson M, Chen, D, Lee R, Vogel LC. Resilience among adults living with SCI and their caregivers. *J Spinal Cord Med* 2017; 40:598-599. Presentation at the Academy of Spinal Cord Injury Professionals Annual Meeting 2017; Denver, CO.
  404. Pouloupoulos, N., Greenley, R., Zebracki, K., & Vogel, L. (2018, April). Family and primary caregiver functioning in families of youth with spinal cord injury: Longitudinal associations with youth adjustments. Poster session at the Society of Pediatric Psychology Annual Conference, Orlando, FL.
  405. Wojtowicz, A., Miller, S., Greenley, R., Vogel, L., & Zebracki, K. (2018, April). The impact of mobility on life satisfaction in pediatric-onset spinal cord injury. Poster session at the Society of Pediatric Psychology Annual Conference, Orlando, FL.
  406. Chlan, K., Zebracki, K., Kennedy, P., & Vogel, L. (2018, May). Appraisals of Disability in Middle Adulthood Following Pediatric-Onset Spinal Cord Injury. Poster session at the 2018 Annual Scientific Meeting of the American Spinal Injury Association, Rochester, MN.
  407. January, A., Zebracki, K., Chlan, K., & Vogel, L. (2018, May). Quality of sleep and psychosocial functioning in pediatric-onset spinal cord injury over time. Poster session at the 2018 Annual Scientific Meeting of the American Spinal Injury Association, Rochester, MN.
  408. Porto, A., Anderson, L., Vogel, L., & Zebracki, K. (2018, September). Barriers in accessing adult healthcare for transitioning youth with spinal cord. Poster presentation at the Howard H. Steel Conference on Pediatric Spinal Cord Injury and Dysfunction, Sydney, Australia.
    - a. Porto, A., Anderson, L., Vogel, L., & Zebracki, K. (2018, September). Barriers in accessing adult healthcare for transitioning youth with spinal cord. Poster presentation at the 57<sup>th</sup> International Spinal Cord Society Annual Scientific Meeting, Sydney, Australia.
    - b. Porto, A., Anderson, L., Vogel, L., & Zebracki, K. (2018, October). Barriers in accessing adult healthcare for transitioning youth with spinal cord. Poster presentation at

- the 72<sup>nd</sup> Annual Meeting of the American Academy for Cerebral Palsy and Developmental Medicine, Cincinnati, OH).
409. January, A., Zebracki, K., & Vogel, L. (2018, September). Quality of sleep and psychosocial functioning in pediatric-onset spinal cord injury. Poster presentation at the Howard H. Steel Conference on Pediatric Spinal Cord Injury and Dysfunction, Sydney Australia.
  410. Deane, K., Chlan, K., Vogel, L., & Zebracki, K. (2018, September). Self-report of happiness in adults with pediatric-onset spinal cord injury. Poster presentation at the Howard H. Steel Conference on Pediatric Spinal Cord Injury and Dysfunction, Sydney Australia.
  411. Zebracki, K., Hwang, M., Vogel, L. (2018, September). Development of a SCI Module for the Pediatric Quality of Life Inventory (PedsQL™). Presentation at the Howard H. Steel Conference on Pediatric Spinal Cord Injury and Dysfunction, Sydney Australia.
  412. Vogel, L., Chlan, K., Mukherjee, S., & **Zebracki, K.** (2019, August). Long-term outcomes of 30-year survivors of pediatric-onset spinal cord injuries. Poster presentation at the Paralyzed Veterans of America 9<sup>th</sup> Annual Healthcare Summit and Expo, Orlando, FL.
    - a. Vogel, L., Chlan, K., Mukherjee, S., & **Zebracki, K.** (2019, September). Long-term outcomes of 30-year survivors of pediatric-onset spinal cord injuries. Oral presentation at the Combined 73<sup>rd</sup> American Academy for Cerebral Palsy and Developmental Medicine Annual and 2<sup>nd</sup> International Alliance of Academies of Childhood Disability Triannual Meeting, Anaheim, CA.
    - b. Vogel, L., **Zebracki, K.** & Chlan, K. (2019, November). Long-term outcomes of 30-year survivors of pediatric-onset spinal cord injuries. Oral presentation at the 58<sup>th</sup> International Spinal Cord Society Annual Scientific Meeting, Nice, France.