

CURRICULUM VITAE

Mary Jane (MJ) Mulcahey, PhD, OTR/L, CLCP, CHC, CPPC, FASIA

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EDUCATION

- 1980-1984 Gwynedd Mercy College
Gwynedd Valley, Pennsylvania
Special/Elementary Education
Early Childhood Education
Bachelors of Science (BS), January 1984
- 1985 – 1987 Thomas Jefferson University
Philadelphia Pennsylvania
Occupational Therapy
Post-Baccalaureate Certificate, May 1987
Capstone Project: Occupational Therapy for Persons with Chronic
Kidney Failure Undergoing Renal Dialysis
- 1989 – 1991 Thomas Jefferson University
Philadelphia, Pennsylvania
Occupational Therapy
Masters of Science, (MS) May 1991
Thesis: Returning to School after a Spinal Cord Injury: Lived
Experiences of Youth
- 1997-2005 Capella University
Minneapolis, Minnesota
Education
Doctor of Philosophy (PhD), May 2005
Dissertation: Reliability of the International Standards for
Neurological Classification of Spinal Cord Injury in Youth

POST GRADUATE TRAINING

- 2001-2002 Coach2 The Bottom Line
B Coach Systems. LLC
Palm Springs, CA
Executive Coaching
- 2003 Murdoch University
Perth, Western Australia
Unit F435/F635
Modern Measurement and Analysis in Social Sciences
- 2004-2005 Kaplan University Online
Life Care Planning
- 2015-2016 Boston University

Boston Rehabilitation Outcomes Center
 School of Public Health and Health Policy
 Foundation of Item Response Theory/Measurement

2018-2019 Institute of Rehabilitation Education and Training
 Life Care Planning

2019-2021 International Positive Psychology Coaching Association (formerly
 School of Coach Mastery)
 Certified Competent Coach
 Certified Group/Team Coach
 Certified Positive Psychology Coach

2020 National Society of Health Coaches
 Certified Health Coach

FACULTY APPOINTMENTS:

1999-2007 **Adjunct Instructor**
 Philadelphia University, College of Health Professions
 Dept. of Occupational Therapy
 Philadelphia, PA

2007-2012 **Research Associate Professor**
 College of Health Professions
 Department of Occupational Therapy
 Thomas Jefferson University
 Philadelphia, PA

2012-current **Professor, Occupational Therapy** (with Tenure, as of 3/2016)
 College of Rehabilitation Sciences
 Department of Occupational Therapy
 Rehabilitation Medicine (secondary appointment as of 11/2019)
 Sidney Kimmel Medical College
 Thomas Jefferson University
 Philadelphia, PA

HOSPITAL AND ADMINISTRATIVE APPOINTMENTS:

1987-1988 **Occupational Therapist**, Spinal Injury Unit
 Shriners Hospitals for Children
 Philadelphia, PA

1988 – 1999 **Research Associate**, Spinal Cord Injury
 Shriners Hospitals for Children
 Philadelphia, PA

1994 – 1999 **Co-Investigator Spinal Cord Injury Research**
 Shriners Hospitals for Children
 Philadelphia, PA

1999-2012 **Director, Rehabilitation Services and Clinical Research**
Principal Investigator
Member, Hospital Executive Committee
 Shriners Hospitals for Children
 Philadelphia, PA

2018-current **Director**
Center for Outcomes and Measurement
College of Rehabilitation Sciences
Thomas Jefferson University
Philadelphia, PA

12/2022-current **Interim Associate Dean of Research**
College of Rehabilitation Sciences
Thomas Jefferson University
Philadelphia, PA

INDEPENDENT CONTRACTOR

6/2023-current **Certified Life Care Planner**
Turning Point Life Care Planning
Los Angeles, CA

STRATEGIC PLANNING FACILITATION

2015-2016 American Spinal Injury Association (ASIA). Provided leadership for development and execution of five-year plan. Identified strategic planning consultant, created and anticipated in two day strategic planning retreat. Facilitated post-retreat solidification and execution of plan. (within role as President of ASIA).

2022 American Occupational Therapy Foundation (AOTF). Provided leadership and direction to the Board of Trustees on development of three-year strategic plan. Organized and monitored five workgroups over three months on solidification of the strategic planning initiatives. Worked with AOTF CEO and senior staff on roll-out and implementation. (within role as AOTF Chair of Board of Trustees).

2022 ASIA. Conducted preliminary work with ASIA president and executive director on development of a five-year strategic plan. Provided input on development and implementation of iterative surveys to ASIA members and committee chairs. Created and facilitated a two-day strategic planning retreat. Consolidated themes and data from retreat and created report summarizing strategic planning methodology and outcomes. (Paid consultant).

CERTIFICATIONS

- Certified QPR Gatekeeper (Suicide Prevention), QPR Institute, January 2023
- Basic Life Support (CPR and AED), American Heart Association, ecard code 225419382120, Oct. 2022
- Certified Positive Psychology Coach, International Association of Positive Psychology Coaching, May 2021
- Certified Group\Team Coach, School of Coach Mastery, Jan. 2021
- Certified Health Coach, National Society of Health Coaches, August 2020
- Certified Life Care Planner, CLCP # 1520, International Commission on Health Care Certification, Jan. 2020
- Calibrated Assessment Motor and Processing Skills Rater, Center for Innovative OT Solutions, Jan. 2020
- Certified Competent Coach, School of Coach Mastery, Sept. 2019
- Board Certified Occupational Therapist, National Board for Certification in Occupational Therapy #913984, Initial Certification 8/15/87-current.

LICENSURE

Licensed Occupational Therapist

- Pennsylvania, OC-002430-L (Active)
- New Jersey, 46TR01152900 (Active)
- Florida, OT12541 (Inactive)
- South Carolina, 3188 (Inactive)

AWARDS and HONORS

- The Inquisitive Clinician Award, Thomas Jefferson University, May 1991
- The Emerging Leader Award, Thomas Jefferson University, May 2000
- Best Scientific Poster Award, American Spinal Injury Association Annual Conference, Dallas, TX, May 2005
- The G. Heiner Sell Research and Education Award, American Spinal Injury Association, May 2006
- The Inaugural Apple Award, American Spinal Injury Association, Chicago, IL, May 2007
- The Clinical Excellence Award, American Paraplegia Society, Las Vegas NV, Sept. 2009
- The Anapol Advocate Award for Spinal Cord Injury, Runner-up, Anapol Schwartz Foundation, 2011
- Derek Harwood-Nash Award, American Society for Neuroradiology, 2012
- Therapist Excellence Award, Paralyzed Veterans of America. Orlando, FL., 2013
- Best Scientific Poster, American Spinal Injury Association Annual Meeting, San Antonio Texas, May 2014
- The Cordelia Myers AJOT Best Paper Award. American J Occupational, 2014
- Inducted, Phi Alpha Eta Society, Thomas Jefferson University, 2015
- Inducted, the American Occupational Therapy Foundation Academy of Research, Nashville TN, 2015
- Vogel Award for Best Pediatric Paper Published in 2014. American Spinal Injury Association, May 2015
- The Mulcahey Award, established in honor of MJ Mulcahey and awarded annually at the American Spinal Injury Association for best lecture on outcomes research and measurement. American Spinal Injury Association, May 2017
- The Sir Ludwig Guttmann Lecture and Plenary. Spinal Cord Injury in Children and Youth: Evidence, Assumptions and Research Priorities. International Spinal Cord Society, Sydney Australia, Sept. 2018
- Provost Team Award for Interdisciplinary Research. Thomas Jefferson University, May 2019
- Inducted, Fellow of the American Spinal Injury Association, Waikiki, HI, April 5, 2019.
- Provost Faculty Mentoring Award, Jefferson College of Rehabilitation Sciences, Thomas Jefferson University, April 2021
- The Comarr Memorial Award for Distinguished Clinical Service, Academy for Spinal Cord Injury Professionals, Reno NV, Sept. 2021
- Thomas Jefferson University Provost Career Achievement Award, April 2022
- Lifetime Achievement Award, American Spinal Injury Association, New Orleans, LA, May 2022
- The Glen E. Gresham Visiting Professor in Rehabilitation Science Lectureship. University of Buffalo, Buffalo NY, April 2023

MEMBERSHIP IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

2024-current	Association of Life Care Planners
2022-current	International Society Positive Psychology Coaches
2020-current	National Society of Health Coaches
2019-2022	Positive Psychology Coaching Association
2019-current	International Coaching Federation
2018-current	International Society for Rehabilitation Professionals
2010-2011, 2021	Academy of Spinal Cord Injury Professionals
1993-2012	American Congress of Rehabilitation Medicine
1989-current	American Spinal Injury Association
1989-current	International Spinal Cord Injury Society
1989-2007	American Paraplegia Society
1988-current	American Occupational Therapy Association
1988-current	World Federation of Occupational Therapy
1988-2010	American Academy of Developmental Medicine and Child Neurology
1988-2011	American Congress of Children's Orthotics and Prosthetics

PROFESSIONAL AND SCIENTIFIC COMMITTEES

Professional Organizations

- 1989 Scientific Chair, International Society for Management of the Upper Extremity in Tetraplegia
2010-2012 Co-chair, SCI Special Interest Section, American Congress of Rehabilitation Medicine
2011-2013 Member, Scientific Review Committee, American Paraplegia Society
2014 Chair, 3rd OT Research Summit of Scholars, Philadelphia, PA
2015-current Program Committee Member, International Spinal Cord Injury Society
2015-2020 Vice President, Pediatric Spine Foundation
2017 Member, Review Committee for Pi Theta Epsilon Poster Session at AOTA/NBCOT National Student Conclave
2017-current Founder and Chair of Board of Directors, Steel Assembly for Pediatric Spinal Cord Injury Research and Education
2017-2020 Chair, Spinal Trials Understanding Design and Implementation (STUDI) Trial Design Subcommittee Spinal Cord Outcomes Partnership Endeavor (SCOPE)

American Occupational Therapy Foundation

- 2016-2020 Member, Scientific Advisory Counsel
2019-2024 Member, Board of Trustees
2021-2024 Chair, Board of Trustees
2024-2025 Immediate Past Chair, Board of Trustees

American Spinal Injury Association

- 1992-2011 Member, Publication Committee
2006-2012 Chair, Pediatric Committee
2007-2011 Member, International Standards Committee
2008-2012 Chair, Rehab Standards Committee
2008-2021 Member, Rehab Standards Committee
2011-2013 Secretary and Treasurer, Board of Directors
2012-2018 Member, Pediatrics Committee
2013-2015 President Elect, Board of Directors
2015-2017 President, Board of Directors
2015-2019 Founder, Chair – Ad Hoc Training Committee
2017-2019 Immediate Past President, Board of Directors
2018-2019 Member, Program Committee
2019-2020 Interim Chair, Education Committee
2020-2021 Co-Chair, Ad Hoc Journal Committee
2021- Member, Directors' Nominating Committee
2023- Member, Awards Committee
2024- Member, Past Presidents' Committee

Grant Review\Study Sections

- 2008-2013 Craig H. Neilsen Foundation, ad hoc reviewer
2010-2011 University of Wisconsin- Milwaukee's Research Growth Initiative
2013-2014 NIDRR – Disability and Rehabilitation Research Projects, Health and Function of Individuals with Disabilities.
2013-2015 PCORI – Dissemination and Communication RFP
2015-2019 Chair, SCIRP, Dept. of Defense Congressionally Directed Medical Research Program
2015 NIDLIRR Switzer Fellowship
2015 Wings for Life.
2015 NIDLIRR Research Fellowship Program Disability and Rehabilitation-Policy Research
2015 Wings for Life (European)
2017 Action in Research (European Agency)
2017 Craig H Neilsen Foundation Scholarship Award.
2020 American Occupational Therapy Foundation Gary Kielhofner Fellowship Award
2020 American Occupational Therapy Foundation Nedra Gillette Fellowship Award

2020 American Occupational Therapy Foundation Implementation Science
 2021 Ohio Third Frontier Research Initiative
 2021 Wings for Life (European)
 2022 Christopher Reeves Foundation.
 2022-2027 Craig H. Neilsen Foundation Research Across the Translational Spectrum Study Section.
 2024 Wings for Life (European)

Advisory Boards

1997-2003 Philadelphia University Occupational Therapy Program
 2015-2022 Implantable upper extremity neuroprosthesis studies (Peckham, HP, PI)
 2017-2022 Dept. of Defense. Educational needs and priorities around upper limb interventions for persons with spinal cord injury and their caregivers. (Fox, I, PI).
 2019-2023 R25 Rehabilitation Medicine Scientist Training Program (RMSTP). Boninger M, White J (PI).
 2020, 2024 Abbvie Neurorestoration Scientific Advisory Council

International Workgroups and Scientific Panels

2011 Member, International Working Group: development of SCI basic data set for musculoskeletal health
 2012-2013 Member, International Working Group: development of SCI basic data set for upper extremity function
 2013-2015 Member, Spinal Cord Outcomes Partnership Endeavor
 2013-2015 Member, NINDS Spinal Cord Injury Common Data Element Working Group Member, Functional Outcomes Work group
 2015 Tri-Chair, Craig H. Neilsen Foundation International Consensus Meeting on Upper Extremity Outcomes Instruments. Philadelphia, PA. January 2015.
 2015-2018 Co-Chair, NINDS Spinal Cord Injury Common Data Element Pediatric Work Group
 2015-2017 Member, Oversight Committee, SCI CDE, NINDS
 2017 Member, Review Panel. Opportunity for Improving Programs and Services for Children with Disabilities Board on Health Care Services; Health and Medicine Division; National Academies of Sciences, Engineering, and Medicine. ISBN 978-0-309-47224-1 | DOI 10.17226/25028.
 2018 Reviewer, United States Dept. of Labor. National Occupational Information Network Data Collection, Occupational Therapy.
 2019 Panel Participant: Neuromodulation for Chronic Spinal Cord Injury. NIH Spinal Cord Injury 2020 Decade of Disruption. Feb. 12-12, 2019, Bethesda, MD.
 2020-2021 Chair, Spinal Cord Injury Research Evidence, Pediatric Workgroup. Funded by Rick Hansen Institute.
 2022 Member, AOTF Planning Grant Collective. Fatigue: An understudied barrier to participating fully in daily life. Jan. 18-20, 2022.

External Review: Promotion/Tenure

2017 University of Wisconsin, College of Health Professions
 2018 USC Chan Division of Occupational Science and Occupational Therapy
 2018 University of Pittsburgh, College of Rehabilitation Sciences
 2020 Tufts University, College of Rehabilitation Sciences
 2020 University of Missouri, School of Health Professions
 2020 John Hopkins University, School of Medicine
 2021 Washington University, School of Medicine
 2021 Colorado State, College of Health Professions
 2021 The Ohio State University, School of Medicine
 2022 Medical University of South Carolina, School of Health Professions
 2023 University of Pittsburgh, College of Rehabilitation Sciences
 2024 University of British Columbia

EDITORIAL POSITIONS

Editorial Board Member

2017-2023 Physical Therapy Journal
2015-2020 Spinal Cord
2014-2020 Physical and Occupational Therapy in Pediatrics
1996-2009 American Journal of Occupational Therapy

Associate Editor

2011-2022 Associated Editor, Topics in Spinal Cord Injury Rehabilitation
2010-2012 Associate Editor, American Journal of Occupational Therapy
1998-2011 Specialty Topics Editor, Topics in Spinal Cord Injury Rehabilitation

Guest Editor

2022 Updates on Pediatric Spinal Cord Injury and Dysfunction: Part 2. Topics in Spinal Cord Injury Rehabilitation, 28(2) 2022.
Updates on Pediatric Spinal Cord Injury and Dysfunction: Part 1. Topics in Spinal Cord Injury Rehabilitation, 28(1) 2022.
2018 Upper Extremity Considerations in Spinal Cord Injury. Topics in Spinal Cord Injury Rehabilitation, 2018;14(3).
2013 Howard H. Steel Conference on Pediatric SCI and Dysfunction. Topics in Spinal Cord Injury Rehabilitation 19(1);2013.
2012 Spinal Cord Injury. Topics in Pediatric Physical Medicine Rehabilitation. Special Issue on Pediatric Spinal Cord Injury Rehabilitation 5(4), 2012.
2010 Transition Issues for Youths with Spinal Cord Injury, Top Spinal Cord Med 11(4), 2010.
2008 Contemporary Perspectives of the Upper Limb in Tetraplegia. Top SCI Rehabil 13(4), 2008.
2008 Upper Extremity in Tetraplegia. Hand Clin 24(2), 2008.
2004 Pediatric spinal cord injury. Top Spinal Cord Med 10(4), 2004.

Peer Referee for Professional Journals

Spinal Cord Cases
Spinal Cord
J Spinal Cord Medicine
Archives of Physical Medicine and Rehabilitation
Developmental Medicine and Child Neurology
J Pediatric Orthopedics
Amer. J of Occupational Therapy
Occupational Therapy J of Research
British J Occupational Therapy
Neurorehabilitation and Neurorepair
J Neurotrauma
Occupational Therapy in Health Care

ACADEMIC COMMITTEES

Jefferson College of Rehabilitation Sciences

2023- Member, Committee on Faculty Affairs
2021-2022 Member, Strategic Planning Subcommittee- SPLINT- Research/Scholarship
2021- Member, Dean's Council
2020-2022 Member, Research Advisory Committee
2019- Member, Executive Committee
2019-2021 Member, College Leadership Team
2019-2020 Ad Hoc Member, Faculty Affairs Committee
2019 Co-chair, Research Committee Steering Committee
2018 Co-chair, PhD Development Committee
2017-2018 Co-chair, OT Chair Search Committee

2013-2014 Member, Research Committee

Thomas Jefferson University

2023- Research Council
2022-2023 Member, University Provost Search Committee
2021- Chair, University Committee on Appointment, Promotion and Tenure
2019-2020 Faculty Member-at Large (Research), Faculty Advisory Committee,
2018 Peer Review, Dean's Transformational Science Award
2016-2020 Member, Research Subcommittee, Thomas Jefferson University Academic Board
2016-2017 Member, Thomas Jefferson University-Philadelphia University Promotion and Tenure Integration Team
2016- Member, Tenure Sub-Committee
2015-2018 Member, Jefferson Committee on Research
2015-2017 Member, Oversight Committee, Jefferson Clinical Research Institute
2013-2022 Member, Faculty Advisory Council to the Provost

TEACHING AND CLINICAL RESPONSIBILITIES

Curriculum Development

2021

Graduate Certificate in Life Care Planning, Thomas Jefferson University, College of Rehabilitation Sciences

Developed four, 3-credit graduate courses on Life Care Planning that are designed to be delivered entirely online. The Life Care Planning graduate certificate courses are stackable (transcripts and credits can be transferred, and applied towards clinical doctoral programs) and satisfy the educational requirements for sitting for the International Commission on Health Care Certifications Life Care Planning Certification. The program is designed for interdisciplinary professionals in health care, education, community based practiced, vocational rehabilitation and counseling. First cohort Sept. 2021.

Advanced Practice Graduate Certificate (APC), Coaching in Context, Thomas Jefferson University, College of Rehabilitation Sciences

Developed four, 3-credit graduate courses on Coaching in Context that are designed to be delivered entirely on-line. The APC is an interdisciplinary program offered by the JCRS and the courses are stackable (transcripts and credits can be transferred, and applied towards clinical doctoral programs). The program is designed for interdisciplinary professionals in health care, education and community based practices. First cohort Sept. 2021.

2019

4-credit Graduate Course: Scoping Review Methodology, Thomas Jefferson University, College of Rehabilitation Sciences

Developed 4-credit graduate course on Scoping Review Methodology. The course syllabus and material are archived in Canvas for JCRS faculty for future semesters.

2008

3-credit Doctoral Course: Disabilities Studies, Thomas Jefferson University, College of Rehabilitation Sciences

Developed a 3-credit elective on disabilities studies for the post professional doctoral program in occupational therapy. Taught as lead instructor one semester in each year 2008-2009.

3-credit Doctoral Course: Leadership for Occupational Therapists, Thomas Jefferson University, College of Rehabilitation Sciences

Developed a 3-credit core course for the post professional occupational therapy doctoral program. Taught as lead instructor every spring semester from 2008-2013. The course remains a core/required course for students matriculating in the post professional occupational therapy doctoral program.

2007

3-credit Doctoral Course: Advanced Evidence Based Practice, Thomas Jefferson University, College of Rehabilitation Sciences

Developed a 3-credit required/core course for the post professional occupational therapy doctoral program. Taught as lead instructor every fall semester from 2007-2016. The course remains a core/required course for students matriculating in the post professional occupational therapy doctoral program.

1999

3-credit Graduate Course: Research Methodology for Occupational Therapists, Philadelphia University, Dept. of Occupational Therapy.

Developed 3-credit required course for Master's Degree students in occupational therapy. Taught the course each spring semester 1999-2007.

3-credit Graduate Course: Neuroanatomy for Occupational Therapists, Philadelphia University, Dept. of Occupational Therapy.

Developed 3-credit required course for Master's Degree students in occupational therapy. Taught the course each fall semester 1999-2007.

NIH Funded Mentorship Training Programs

- Faculty Mentor, R25 Rehabilitation Medicine Scientist Training Program (RMSTP). Boninger M, White J (PI). 2019-current
- Faculty Mentor, Training in Grantsmanship for Rehabilitation Research (TIGRR), NIH/NICHD grant number 2R25HD074546-07. (Segal & Field-Fote, Co-I). 2020-current

Mentorship: Post-Doctoral and Junior/Mid-Career Faculty

- Research Mentor, Namrata Grampurohit, PhD: Jefferson Emerging Medical Scientist Award (JEMS). "Development and validation of the SCI-MI Self Care Domain". 2020-2022. (JCRS faculty)
- Research Mentor, Namrata Grampurohit, PhD: Post Discharge Support for Caregivers of Stroke through Telehealth Coaching in Context. American Therapy Foundation (AOTF). 2020-2022. (JCRS faculty)
- Research Mentor, Namrata Grampurohit PhD: Training in Grantsmanship for Rehabilitation Research (TIGRR). "Linking the Pediatric Spinal Cord Injury Activity Measure to the SCI-FIAT. 2020-2021. (JCRS faculty)
- Research Mentor, Jenny Martinez, OTD: Psychometric Evaluation of the SCIM-III SR-Y. ASIA-CHNF Award. 2020-2022. (JCRS faculty)
- Research Mentor, Anne Bryden, OTR/L, Ph.D Candidate: 2015 Neilsen Award of ASIA, "The Development of a Novel Upper Extremity Assessment Protocol for Acute Tetraplegia." 2015-2016. (Case Western Reserve University faculty)
- Mentor Instructor, Guided Clinical Research Tutorial, Linda Jones MSPT, PhD Candidate, Clinical Science Program, Colorado State University, (Jan. 2015 – May 2015).
- Research Mentor, Sukhvinder Kalsi-Ryan, BScPT MSc PhD, Post-Doctoral Fellowship: "Evaluation of the Responsiveness of the GRASSP" Funded by the Craig. H. Neilsen Foundation. 2013-2015. University of Toronto faculty)
- Fellowship Sponsor and Advisor, Dr. Laura Krisa, PhD, Post-Doctoral Fellowship: "fMRI and the International Standards for Neurological Classification of Spinal Cord Injury" Funded by Shriners Hospitals for Children. 2010-2013. (JCRS faculty)
- Member, Doctoral Dissertation Committee. "Assessment of lower motor neuron integrity following cervical spinal cord injury". David Hutchinson, SC D Candidate, Rocky Mountain University, Salt Lake City, Utah. 2013
- Member, Doctoral Dissertation Committee. "Diffusion Tensor Imaging of the Pediatric Cord". Nadia Baraka, PhD Candidate. Temple University, Philadelphia PA. 2012.
- Member, Doctoral Dissertation Committee. "Overcoming Metal Artifact for Diffusion Tensor Imaging". Devon Middleton, PhD Candidate Temple University, Philadelphia, PA. 2012.

Faculty Mentor: JCRS Occupational Therapy Doctoral Student Capstone

2023-2024 Anna Martin OTDc, "Refinement of items amendable to administration early after spinal cord injury".

2023-2024 Nicole Tenor, OTDc, "Normative spine ranges for adolescent females". *Nicole Tenor*

- 2023-2024 Jorge Torres, OTR/L, OTDc, "Coaching in Context Fidelity Measure: A Linguistic Validation to Hispano-America Spanish" (2024). *Post-Professional Occupational Therapy Doctorate Culminating Presentations*. Paper 16. <https://jdc.jefferson.edu/otppdcpresentations/16>
- 2021-2022 Jeremy Armstrong, OTDc, "Outcomes of the NuroSleeve and Occupational Therapy on Upper Extremity Function of an Individual with Chronic Stroke: A Case Report" ,Paper 47. <https://jdc.jefferson.edu/otdcapstones/47>, 2022.
- 2021-2022 Martha Childress, OTDc, "Refinement of bucket of items amendable to administration acutely after SCI" Accepted 2022 Pennsylvania Occupational Therapy Association Annual Meeting. October 2022.
- 2021-2022 Olivia Biller OTDc, "Engaging stakeholders as advisors on the design of a large-scale calibration study of the spinal cord injury movement index (SCI-MI) item pools" 2022 International Spinal Cord Society Meeting, Sept. 2022, Vancouver, Canada. Published in *Spinal Cord*. 2023 Aug 17. doi: 10.1038/s41393-023-00926-x. Epub ahead of print. PMID: 37591948.
- 2020-2021 Hannah Dalton OTDc, "Development of an item pool amendable to early administration following spinal cord injury". Presented at the 2021 International Spinal Cord Society Meeting, Oct. 2021, Vancouver Canada.
- 2021-2022 Giulia Hedeyman OTDc, Neuroplasticity and coaching: Narrative review of the literature.
- 2019-2020 Glynnis Boykin, MSOT, OTDc, "Puberty in females with Autism: A Scoping Review. Presented at 2022 ASPIRE Conference, Kansas City, MI. 2022.
- 2019-202 Bernadette Alpajora, OTDc "Outcomes of Health Coaching in Context with Caregivers of Youth with Spinal Cord Injury". Award eligible trainee poster, International Spinal Cord Society Meeting, Sept. 2020 (originally in Japan, moved to virtual platform due to COVID-19).
- 2019-2020 Taylor Sivori, OTDc, "Assessment of Fidelity to Health Coaching in Context". Presented at 2021 NJOT Association Meeting.
- 2019-202 Madelyn Adams OTDc, "Development of normative values for spine range of motion in youth between 10-17 years of age" *Journal of Chiropractic Medicine*. 2021. ISSN 1556-3707. <https://doi.org/10.1016/j.jcm.2021.09.003>
- 2019-2020 Rachel Kim, OTDc, "Development of a manual for the Spinal Cord Injury Movement Index: Fine Motor Domain" Trainee Award Poster, International Spinal Cord Society Meeting, Sept. 2020 (originally in Japan, moved to virtual platform due to COVID-19).
- 2018-2019 Erin O'Neil MSOT, OTDc, "Development and validation of a fidelity measure for school-based sensory enhanced yoga".
- 2018-2019 Samantha Betz OTDc, "The Lived Experience of Pediatric Spinal Cord Injury: A Narrative Inquiry". *Spinal Cord Series and Cases*. 2021,7;25: <https://doi.org/10.1038/s41394-021-00392-8>
- 2018-2019 Caitlin Cadematori, OTDc, "Health Coaching in Context: A Case Illustration",. *Spinal Cord Series and Cases*. 2021,7:27. <https://doi.org/10.1038/s41394-021-00391-9>
- 2017-2018 Taryn Rosner MSOT, OTDc, "Transitional Services for Youth with Intellectual Disabilities: A Scoping Review". *School-to-work transition for youth with intellectual disabilities: A practice gap in occupational therapy*. *AJOT*, 74, 7402205020. <https://doi.org/10.5014/ajot.2020.035220>.
- 2017-2018 Shruti Gadkari, MSOT, OTDc "Development and Evaluation of a Fidelity Measure for the Occupational Performance Coaching Intervention",. Presented at the 2019 AOTA Conference, New Orleans, April 2019.
- 2017-2018 Annalisa Synnestvedt, MSOT, OTDc, "Extensor Tendon Rehabilitation for Zones IV-VII and the Adoption of Relative Motion: A Survey of Practice Patterns,
- 2016-2107 Gina Fox, MSOT, OTDc "The Collaborative Education and Competence Model (CECM) for Performance Based Outcome Measures: Establishing Validity and Utility Among Occupational Therapists". Presented at the 2017 AOTA Conference, Philadelphia, PA, April 2017.
- 2016-2017 Jessica Ng, MSOT, OTDc, "Development and Evaluation of the Effectiveness of a Web-Based Resource Guide on Activities and Community Programs during After-School Hours: Empowering Families with Autism
- 2016-2017 Faye Levy, MSOT, OTDc "The Needs, Priorities, and Experiences of Chassidic Families That Have a Child with an Autism Spectrum. Disorder",. Presented at the 2017 AOTA Conference, Philadelphia, PA, April 2017.
- 2015-2016 Sandra Botswick, BSOT, OTDc, "Development and Initial Evaluation of A Screening Readiness Tool and Manual for Online Learning By Students with Learning Disabilities as They Transition to Higher Education".
- 2015-2016 Sara Jasin Shue, MSOT, OTDc "Animal-Assisted Therapy Standards of Practice and Recommendations for Best Practice Are Not Fully Integrated into Pediatric Occupational

Therapy Practice”..The International Journal of Research and Practice, Vol. 1 : Iss. 1 , Article 3.
2015-2016 Danielle Hoover Leshner, MSOT, OTDc “Alignment Between Core Values of Occupational Therapy and Outcome Instruments Used in Hand Therapy: A Scoping Review”.American J Occupational Therapy 2017, 71(1):7101-7114).

Faculty Mentor: JCPH Masters in Public Health Student Capstone

2017-2018 Lindsey Siska, MPH, “Participation Among Children With and Without Spinal Cord Injury”.

COURSES TAUGHT

Jefferson College of Rehabilitation Sciences Graduate Certificate in Life Care Planning

Course Title: JCRS 730 Introduction to Life Care Planning

Role: Course Director and Instructor

Credits: 3

Description: The course introduces learners to life care planning. Students explore the history of life care planning, credentials, scope and standards of life care planning profession. Learners appreciate life care planning as an interprofessional practice, consider United States legislation germane to the life care plan (LCP), identify roles of LCP members, articulate the seven principles of universal design, appreciate home modifications, assistive technology and adaptive driving as they relate to life care planning. Students will articulate ethical principles of life care planning and be introduced to and begin to apply methodologies of life care planning.

Years Taught: Fall Semester 2024, 2023, 2022, 2021

Course Title: JCRS 731 Primer of Catastrophic Injuries and Chronic Conditions

Role: Course Director and Instructor

Credits: 3

Description: This course provides an overview of common catastrophic injuries and chronic conditions addressed by the LCP. Students examine etiologies (and their classifications), morbidity and mortality, secondary biopsychosocial outcomes of spinal cord injury, traumatic brain injury, traumatic limb loss, brachial plexus injury, burn injuries, chronic pain, low vision, and hearing. Additional topics include organ transplantation, serious mental illness, neurodevelopmental disabilities, neurodiversity and aging. Medical treatments, rehabilitation, habilitation and psychosocial assessments and interventions are discussed. Standards of practice of life care planning are applied

Years Taught: Spring Semester 2025, 2024, 2023, 2022

Course Title: JCRS 732 Specialty Topics in Life Care Planning

Role: Course Director and Instructor

Credits: 3

Description: This course reviews study designs and basic statistical methods commonly used in research, and applies this knowledge to understand and incorporate study findings into LCP, and to justify projected needs and estimated costs. This course also introduces students to United States law and civil procedures, discuss rules for evidence in litigation, simulate courtroom proceedings and exchanges, and provide court advice relevant to the life care planner. The course further examines methods used to calculate estimated costs for projected needs, and explores ethics of life care planning. Analysis of a sanitized life care plan provides opportunity for students to identify strengths in a LCP, identify errors in a LCP, and develop questions to ask the life care planner.

Years Taught: Summer I 2024, 2023, 2022

Course Title: JCRS 733 Life Care Planning Practicum

Role: Course Director and Instructor

Credits: 3

Description: This course serves as the practicum for Jefferson’s graduate certificate in Life Care Planning. Students will understand credentialing process and educational requirements for the Certified Life Care Planner. Students will apply standards of practice to create a life care plan.

Years Taught: Summer II 2024, 2023, 2022

Thomas Jefferson University Post Professional Occupational Therapy Doctoral Program

Course Title: JCRS 760 Coaching in Context: Introduction and Development

Role: Co-Instructor

Credits: 3

Description: This course introduces students to coaching competencies formulated by the International Coaching Federation and operationalize these competencies into a coaching approach, Coaching in Context, that is geared toward health, rehabilitation, human services, and education professionals. Core concepts of coaching are discussed using seminal evidence. Coaching models and frameworks are explored, and alignment with students' discipline frames of references are examined. Students will practice coaching with classmates and others. Key to coaching, students will discuss and practice ways to connect, clarify and plan with clients. At the end of this course, students will have acquired foundational coaching skills. This course may be taken in isolation or as the first course of the Advance Practice Certificate. Skilled instructors who are certified coaches have designed this engaging course which makes use of advanced evidence-based teaching and learning strategies combining a variety of learning approaches to meet the preferences of all learners.

Years Taught: Fall 2021

Course Title: OT799 Seminar in Clinical Research

Role: Course Instructor

Credits: 1-4

Description: This course provides a mentored experience and is tailored to the needs of doctoral students in preparation for their capstone project and fellowship experience.

Years Taught: **Fall 2023** (2 credit, 1 student), **Spring 2021** (1 credit, 1 student), **Fall 2020** (2 credits, 1 student), **Fall 2019** (4 credits, 3 students), **Spring 2019** (4 credits, 1 student), **Summer 2018** (4 credits, 1 student), **Fall 2017** (2 credits, 1 student), **Spring 2017** (4 credits, 1 student), **Summer 2016** (2 credits, 1 student), **Spring 2016** (2 credits, 1 student), **Summer 2014** (2 credits, 1 student), **Spring 2013** (2 credits, 1 student), **Fall 2013** (4 credits, 1 student).

Course Title: OT798 Advanced Evidence Based Practice

Role: Course Director and Instructor

Credits: 3

Description: Students examine evidence-based practice from a conceptual, empirical, practical and personal perspective. In doing so, students develop skills and confidences that are needed to conduct literature searches, appraise research literature and clinical practice guidelines and, translate evidence into practice by integrating "best" evidence, client values and priorities, their own clinical experiences and environmental considerations. Students examine outcome instruments from a psychometric perspective and consider the ethical and practical elements associated with use of outcomes instruments. Among other outcomes, students articulate a clinical bottom line for a clinical question, prepare a professional scientific poster, and submit a critically appraised paper to the AOTA Evidence Exchange. This course fosters the development of advanced practice skills necessary to the post professional occupational therapy doctorate candidate.

Years Directed and Taught: Fall 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007

Years Lectured One Module (Measurement) Fall 2020, 2019, 2018, 2017

Course Title: OT782 Leadership: Moving Beyond Traditional Roles

Role: Course Director and Instructor

Credits: 3

Description: students are exposed to various leadership theories as a basis for developing their own leadership style. Students synthesize knowledge from current health, political and social trends to forecast needs and opportunities for the future and analyze how these trends and policies affect health policy and their impact on both health care professionals and individuals with disabilities. Funding opportunities to support new and innovative practices are explored.

Years Taught: Spring 2013, 2012, 2011, 2010, 2009, 2008

Thomas Jefferson University Entry Level Program in Occupational Therapy

Course Title: OT560 Research Methods

Role: Lecturer (three, two hour course content on analytic methods)

Credits: 4

Course Description: This course covers research methodologies for rehabilitation science and occupational therapy.

Years Taught: Fall 2019

KEYNOTE or LECTURE BY INVITATION (*descending order: most recent to oldest*)

1. Measuring Endpoints in Pediatric SCI. 2024 Howard H. Steel Assembly for Pediatric Spinal Cord Injury. Scottsdale AZ, December 13-16, 2024.
2. Accessible Outcome Assessments. Second Annual Spinal Cord Injury Investors' Symposium. San Diego, CA. June 27, 2024 (declined due to family illness).
3. Endpoints in Spinal Cord Injury Clinical Trials. The Inaugural Spinal Cord Injury Investors' Symposium. San Diego, CA. June 29, 2023.
4. Research: An essential element to the advancement of occupational therapy. AOTA/AOTF Future Scientist Institute. Kansas City, MI. April 22, 2023.
5. Pediatric Spinal Cord Injury: Practicalities and Innovations. Glen E. Gresham Lectureship. University of Buffalo. Buffalo NY, April 5, 2023.
6. Keynote: "Tour de France" of Pediatric Spinal Cord Injury. Mary Free Bed Rehabilitation and Educational Academy. Grand Rapids, MI. Sept. 29, 2022.
7. The International Standards for Neurological Classification of Spinal Cord Injury When Applied to Children and Youth. XIII Congreso Internacional, XXII Congreso Nacional Peruano, Medicina Fisica y Rehabilitacion. Cusco, Peru, Aug 12-14.
8. Pediatric Spinal Cord Injury Measures and Common Data Elements. Pre-course to the Combined Meeting of the New Zealand and Australian Spinal Cord Injury Societies Meeting. Virtual due to COVID 19, October 2021.
9. Coaching in Context. Christopher Reeves Foundation Educational Series. Feb. 2021.
10. Creating a Research Culture: Engaging Therapists. Association of Academic Physiatrists Program for Academic Leadership. Annual Meeting of the Association of Academic Physiatrists. Virtual due to COVID 19, February 9, 2021.
11. Pediatric Spinal Cord Injury: Select Topics. Steel Assembly and American Spinal Injury Association Webinar Series. February 5, 2021.
12. Grand Rounds: Pediatric Spinal Cord Injury. Zucker School of Medicine at Hofstra Northwell, New York, NY. Dec. 9, 2020
13. Neuromodulation using FES Systems. 2019 NINDS Meeting "2020 Decade of Disruption in SCI". Bethesda MD, Feb.17-18, 2019.
14. Technology Transfer of a Neuroprosthesis for hand function after spinal cord injury. Jefferson College of Rehabilitation Sciences Research Conference, January 2019.
15. Pediatric Spinal Cord Injury. Dept. of Physical Medicine and Rehabilitation, Sidney Kimmel Medical College. Grand Rounds, October 2018.
16. Keynote: The Sir Ludwig Guttmann Lecture and Plenary. Spinal Cord Injury in Children and Youth: Evidence, Assumptions and Research Priorities. 2018 ISCoS Meeting, Sydney Australia. Sept. 13, 2018.
17. There is a Flurry of Innovation and Global Collaboration Germane to SCI Clinical Trials and Outcomes Research. The Fourth Annual Pediatric Research Symposium of the Shriners Hospitals for Children Pediatric Research Center. Philadelphia, PA, June 8, 2018.
18. Development and Validation of the Pediatric Measure of Participation and Pediatric Activity Measure. Visiting Professor, USC Chan Division of Occupational Science and Occupational Therapy. TREET, NCMRR-funded T32. Orange County, California, USA. Dec. 11-13, 2016.
19. Developing Meaningful Score Reports. Visiting Professor, USC Chan Division of Occupational Science and Occupational Therapy. TREET, NCMRR-funded T32. Orange County, California, USA. Dec. 11-13, 2016
20. Rehabilitation of youth with spinal cord injury: Considerations for life care planning. Invited Instructional Course Lecture. 2015 American Academy of Developmental Medicine and Child Neurology. Austin, Texas, USA. October 2015.
21. Responsiveness of computerized adaptive tests to orthopedic surgery. Invited lecture, Sociedad Puertorriqueña de Ortopedia y Traumatología Scientific Meeting. Dorado Beach, Puerto Rico, October 2015.
22. Common data elements for pediatrics. Invited lecture, Sociedad Puertorriqueña de Ortopedia y Traumatología Scientific Meeting. Dorado Beach, Puerto Rico, October 2015.
23. What do we know about pediatric SCI? Rehabilitation Research and Training Center on Secondary Conditions in Individuals with SCI, Grand Rounds. Medical University of South Carolina. January 29,

- 2013.
24. Assessment in Pediatric SCI. Pre-Course to the 2011 Meeting of the American Congress of Rehabilitation Medicine, Shepherd Center, Atlanta, GA, October 2011.
 25. Diffusion tensor imaging and neurological assessment in children with SCI. The Inaugural Research Symposium Day at the International Center for Spinal Cord Injury, Kennedy Krieger Institute, Baltimore, MD, June 2011.
 26. Pediatric SCI. The International Society of Physical Medicine and Rehabilitation, San Juan, PR, June 2011.
 27. Neurological evaluation and classification of SCI in children. The Inaugural SpineCare Conference on Innovation and Practice in Childhood Spinal Conditions, Sydney, Australia, March 2011.
 28. Pediatric SCI, Mary Free Bed Spinal Cord Injury Conference, Grand Rapids, MI, November 2010.
 29. Development of International Musculoskeletal Data Set for Spinal Cord Injury, Copenhagen, Denmark, May 2010.
 30. Pediatric Spinal Cord Injury Rehabilitation, The International Society of Physical Medicine and Rehabilitation, Sao Paulo, Brazil, November 2007.
 31. Pediatric Spinal Cord Injury, International Spinal Cord Society, Florence, Italy, October, 2009.
 32. Keynote Address: 21st Century Rehabilitation. The Howard H. Steel Educational Lectureship, Mexico City, Mexico, November 2006.
 33. The Hector Kay Lecturer, Association of Children's Prosthetic-Orthotic Clinics, Sacramento, CA, May, 2006
 34. Keynote Address: 21st Century Rehabilitation. The First Meeting of the Mayo Clinic Spine Conference, Hawaii, January 2006.
 35. Visiting Professor, Walter Reed Medical Center. Rehabilitation of SCI in the 21st Century. Bethesda, MD, October, 2004.
 36. Keynote Address: The Overall Assessment of Persons with Tetraplegia. The Seventh International Meeting of the Upper Limb in Tetraplegia, Bologna, Italy, 2001

ORGANIZING ROLES IN SCIENTIFIC/PROFESSIONAL MEETINGS

- Chair, The Howard H. Steel Conference on Pediatric Spinal Cord Injury and Dysfunction. Scottsdale, Arizona, Dec. 13-16, 2024
- Organizing Chair, AOTF OT Engage Summit. Old Town Alexandria, VA, Oct. 9-10, 2024.
- Tri-Chair, The American Occupational Therapy Association and American Occupational Therapy Foundation Future Scientist Institute. Kansas City, MO 2022; Orlando FL, 2023
- Chair, The Howard H. Steel Conference on Pediatric Spinal Cord Injury and Dysfunction. Universal Studios, Orlando, FL, Dec. 5-7, 2021
- Chair, The Howard H. Steel Course on Pediatric SCI and Dysfunction. PreCourse to the 57th ISCoS Meeting, Sydney Australia. Sept. 12, 2018, 8:00 am – 5:00 pm.
- Chair, The Howard H. Steel Course on Pediatric SCI and Dysfunction. PreCourse to the 2017 Annual Meeting of the American Spinal Injury Association, Albuquerque, NM. April 26, 2017, 8:00 am-6:00 pm, Topics in SCI Rehabilitation, 23(sup1), 2017.
- Chair, Contemporary Occupational Therapy Spinal Cord Injury Best Practice. Presented at the 2017 Annual Conference and Expo of the American Occupational Therapy Association, Philadelphia, PA, March 30, 2017, 12:00pm-6:30 pm.

PUBLICATIONS, PEER-REVIEWED *(descending order: oldest to most recent)*

218 manuscripts, 112 first/senior author manuscripts*, 20 student/trainee mentored manuscripts+

1. Betz RR, **Mulcahey** MJ, Smith BT, Triolo RJ, Weiss AA, Moynahan M, Keith MW, Peckham PH. Bipolar latissimus dorsi transposition and functional neuromuscular stimulation to restore elbow Flexion in an Individual with C4 Tetraplegia and C5 Denervation. J Am Paraplegia Soc 1992;15(4):220-8. PMID:1431869
2. Smith BT, **Mulcahey** MJ, Triolo RJ, Betz RR. The application of a modified neuroprosthetic hand system in a child with a C7 spinal cord injury. Paraplegia 1992;30:598-606. Doi:10.1038/sc.1992.122 PMID:1523004
3. **Mulcahey** MJ. Returning to school following a spinal cord injury: perspectives from four adolescents. Am J Occup Ther 1992;46(4):305-12. Doi:10.5014/ajot.46.4.305 PMID:156679
4. **Mulcahey** MJ, Smith BT, Betz RR, Triolo RJ, Peckham PH. Functional neuromuscular stimulation:

- outcomes in young people with tetraplegia. *J Am Paraplegia Soc* 1994;17(1):20-35. PMID:8169602
5. Triolo RJ, Betz RR, **Mulcahey** MJ, Gardner ER. Application of functional neuromuscular stimulation to children with spinal cord injuries: candidate selection for upper and lower extremity research. *Paraplegia* 1994;32: 824-43. Doi: 10.1038/sc.1994.130 PMID:7708423
 6. Smith BT, Betz RR, **Mulcahey** MJ, Triolo RJ. Reliability of percutaneous electrodes for upper extremity functional neuromuscular stimulation in adolescents with C5 tetraplegia. *Arch Phys Med Rehabil* 1994;75: 939-45.
 7. **Mulcahey** MJ, Smith BT, Betz RR, Weiss AA. The outcomes of surgical tendon transfers and occupational therapy in a child with a spinal cord injury. *Am J Occup Ther* 1995;49(7):607-17. Doi: 10.5014/ajot.49.7.607 PMID:7573331
 8. Smith BT, **Mulcahey MJ**, Betz RR. Quantitative comparison of grasp and release abilities with and without a neuroprosthetic hand system in adolescents with tetraplegia. *Paraplegia* 1996;34(1):16-23. Doi: doi.org/10.1038/sc.1996.3 PMID:8848318
 9. Smith BT, **Mulcahey** MJ, Betz RR. Development of an upper extremity FES system for individuals with C4 tetraplegia. *IEEE Trans Rehab Eng* 1996; 4(4):264-70. Doi: doi.org/10.1109/86.547926
 10. **Mulcahey**, M. J., & Betz, R. R. Upper and lower extremity applications of functional electrical stimulation: a decade of research with children and adolescents with spinal injuries. *Pediatric Physical Therapy* 1997, 9(3), 113-122. Doi: doi.org/10.1097/00001577-199700930-00005
 11. **Mulcahey** MJ, Betz RR. Considerations in the rehabilitation of children with spinal cord injuries. *Top Spinal Cord Inj Rehabil* 1997;3(2):31-6.
 12. *Davis SE, Weiss AA, Smith BT, Betz RR, **Mulcahey** MJ. Outcomes of upper extremity tendon transfers and functional electrical stimulation in an adolescent with C5 tetraplegia. *Am J Occup Ther* 1997;51(4):307-12. Doi:10.5014/ajot.51.4.307 PMID:9085730
 13. Bertoti DB, Stanger M, Betz RR, Akers J, Moynahan M, **Mulcahey** MJ. Percutaneous intramuscular functional electrical stimulation as an intervention choice for children with cerebral palsy. *Pediatr Phys Ther* 1997;9:123-7. Doi:10.1097/00001577-199700930-00006
 14. Vogel L, **Mulcahey** MJ, Betz RR. The child with a spinal cord injury. *Dev Med Child Neurol* 1997;39:202-7. Doi:10.1111/j.1469-8749.1997.tb07411.x PMID:9112971
 15. **Mulcahey** MJ, Betz RR. From rehabilitation to habilitation: management of children with spinal injuries. *Top Spinal Cord Med* 1997;3(2):50-5.
 16. **Mulcahey** MJ. The pediatric upper extremity in spinal injury. *Top Spinal Cord Med* 1997;3(2):30- 8.
 17. **Mulcahey** MJ. Unique management needs of pediatric spinal cord injury patients: rehabilitation. *J Spinal Cord Med* 1997; 20(1):25-30. PMID:9097252
 18. **Mulcahey** MJ. An overview of the upper extremity in pediatric spinal cord injury. *Top SCI Rehabil* 1997;3(2):48-55.
 19. **Mulcahey** MJ, Betz R, Smith BT, Weiss AA, Davis SE. Implanted functional electrical stimulation hand system in adolescents with spinal injuries: an evaluation. *Arch Phys Med Rehabil* 1997;78: 597-607. Doi:10.1016/S0003-9993(97)90425-1
 20. Davis SE, **Mulcahey** MJ, Betz RR, Smith BT, Weiss AA. Outcomes of upper extremity tendon transfers and functional electrical stimulation in an adolescent with C5 tetraplegia. *Am J Occup Ther* 1997; 51(4):307-12. Doi: 10.5014/ajot.51.4.307 PMID:9085730
 21. Anderson C, **Mulcahey** MJ, Vogel L. Menstruation and pediatric spinal cord injury. *J Spinal Cord Med* 1997;20(1):56-9. Doi: PMID:9097257
 22. Davis SE, **Mulcahey** MJ, Smith BT, Betz RR. Self-reported use of an implanted FES hand system by adolescents with tetraplegia. *J Spinal Cord Med* 1998; 21(3):220-6. PMID:9863932
 23. Rizzo M, Betz RR, **Mulcahey** MJ, Smith BT. Magnetic resonance imaging data in the evaluation of functional electrical stimulation on knee joints of adolescents with spinal cord injury. *J Spinal Cord Med* 1998;21(2):124-30. PMID:9697088
 24. Davis S, **Mulcahey** MJ, Betz RR. Making the Freehand their hand: occupational therapy role in Freehand implementation. *Technol Disabil* 1999;11:29-34.
 25. Davis SE, **Mulcahey** MJ, Smith BT, Betz RR. Outcome of functional electrical stimulation in the rehabilitation of a child with C5 tetraplegia. *J Spinal Cord Med* 1999;22:107-13.
 26. Sarvar J, Smith BT, Seliktar R, **Mulcahey** MJ, Betz RR. A study of shoulder motion as a control source in adolescents with C4 level spinal cord injury. *IEEE Trans Rehabil Eng* 1999;7(1):27-34. Doi: 10.1109/86.750548

27. Bonaroti D, Akers J, Smith B, **Mulcahey** MJ, Betz RR. Comparison of FES to long leg braces for upright mobility for children with complete thoracic level SCI. *Arch Phys Med Rehabil* 1999;80:1047-53. Doi: 10.1016/S0003-9993(99)90059-X
28. **Mulcahey** MJ, Betz RR, Smith BT, Weiss AA. A prospective study of the outcomes of tendon transfers with children with tetraplegia. *J Pediatr Orthop* 1999;19:319-28. Doi: 10.1097/01241398-199905000-00008 PMID:10344314
29. **Mulcahey** MJ, Smith BT, Betz, RR. Evaluation of the lower motor neuron integrity of upper extremity muscles in high level spinal cord injury. *Spinal Cord* 1999;37:585-91. Doi: 10.1038/sj.sc.3100889 PMID:10455536
30. Betz R, **Mulcahey** MJ. Restoration of function in children with spinal cord injuries and cerebral palsy: progress, current state, and future vision of functional electrical stimulation at the Shriners Hospitals for Children. *Top SCI Inj Rehabil* 2000; 6 (suppl):110-24. doi: 10.1310/TT9K-GYAL-CBPK-CYMN
31. Spoltore T, **Mulcahey** MJ, Johnston T, Kelly K, Morales V, Rebeck C. Innovative programs for children and adolescents with spinal cord injury. *Orthop Nurs* 2000;19(3):55-62. Doi: 10.1097/00006416-200019030-00009 PMID:1115333.
32. Betz RR, **Mulcahey** MJ, Smith BT, Triolo RJ, McCarthy JJ. Implications of hip subluxation for FES-assisted mobility in patients with spinal cord injury. *Orthopedics* 2001;24(2):181-4. PMID:11284603
33. Peckham PH, Keith MW, Kilgore KL, Grill JH, Wuolle KS, Thrope GB, Gorman P, Hobby J, **Mulcahey** MJ, Carroll S, Hentz VR, Wiegner A. Efficacy of an implanted neuroprosthesis for restoring hand grasp in tetraplegia: a multicenter study. *Arch Phys Med Rehabil* 2001;82(10):1380- 8. Doi:10.1053/apmr.2001.25910 PMID:11588741
34. Betz RR, Johnston TE, Smith BT, **Mulcahey** MJ, McCarthy JJ. Case report: Three-year follow-up of an implantable functional electrical stimulation system for upright mobility in a child with a thoracic level spinal cord injury. *J Spinal Cord Med* 2002; 25(4):345-50.
35. McCarthy JJ, Finson R, Smith BT, Liggins AB, **Mulcahey** MJ, Betz RR. Cerebral palsy: results of surgical releases augmented with electrical stimulation: a case study. *Neuromodulation* 2002;5(2):1-7. Doi:10.1046/j.1525-1403.2002.02018.x PMID:22151851
36. Smith BT, **Mulcahey** MJ, Betz RR. Case report: An implantable upper extremity neuroprosthesis in a growing child with a C5 spinal cord injury. *Spinal Cord* 2002;39:118-23. Doi:/10.1038/sj.sc.3101123
37. **Mulcahey MJ**, Anderson C, Vogel L, DeVivo M, Betz, R, McDonald C. Pediatric spinal cord injury: evidence-based practice and outcomes. *Top Spinal Cord Inj Rehabil* 2004;10(2):69-78. Doi:10.1310/MYWE-9RFA-BRYY-KAET
38. Chafetz R, McDonald C, **Mulcahey** MJ, Betz, R, Anderson C, Vogel L, Gaughan J, Martin S, O'Dell M, Flanagan A. Timed motor test for wheelchair users: initial development and application in children with spinal cord injury. *J Spinal Cord Med* 2004;27(1):38-43.
39. Johnston TE, Finson RL, McCarthy JJ, Smith B, Betz R, **Mulcahey** MJ. Use of functional electrical stimulation to augment traditional orthopaedic surgery in children with cerebral palsy. *J Pediatr Orthop* 2004;24(3):283-91. Doi:10.1097/01241398-200405000-00009 PMID:15105724
40. Betz RR, **Mulcahey** MJ, Smith BT. Unique aspects of the pediatric patient with spinal cord injury and the effects on upper-limb management. *J Rehabil Res Dev* 2004;41(1): 15.
41. **Mulcahey** MJ, Betz RR, Kozin S, Smith BT, Hutchinson D, Lutz C. Implantation of the Freehand system during initial rehabilitation using minimally invasive techniques. *Spinal Cord* 2004;42:146- 55. Doi:10.1038/sj.sc.3101573 PMID:15001979
42. **Mulcahey** MJ, Smith BT, Betz RR. Psychometric rigor of the grasp and release test for measuring functional limitation of persons with tetraplegia: a preliminary analysis. *Spinal Cord* 2004;27(1): 41-46.
43. Betz RR, **Mulcahey** MJ, D'Andrea L, Clements D. Acute evaluation and management of pediatric spinal cord injury. *J Spinal Cord Med* 2004;27(supp 1):S11-5. PMID:15503697
44. Johnston TE, Betz RR, Smith BT, Benda BJ, **Mulcahey** MJ, Pontari MA, Davis R, Houdayer TP, Creasey GH, Barriskill A. Implantable FES system for upright mobility and bladder/bowel function for individuals with spinal cord injury. *Spinal Cord* 2005;43(12):713-23. Doi: 10.1038/sj.sc.3101797 PMID:16010275
45. Betz RR, D'Andrea LP, **Mulcahey** MJ, Chafetz RS. Vertebral body stapling procedure for the treatment of scoliosis in the growing child. *Clin Orthop Relat Res* 2005;434:55-60. 10.1097/01.blo.0000163472.46511.a8 PMID:15864032
46. *Bryden Anne, Sinnott, Anne, **Mulcahey**, MJ. Innovative strategies for improving upper extremity

- function in tetraplegia and considerations in measuring functional outcomes. *Top Spinal Cord Inj Rehabil* 2005;10(4):75-93. Doi: 10.1310/LN94-NMVK-59V3-CC1F
47. Mehta S, Betz R, **Mulcahey** MJ, McDonald C, Vogel L, Anderson C. Effect of bracing on paralytic scoliosis secondary to spinal cord injury. *J Spinal Cord Med* 2005;27 (supp 1):S88-92.
 48. Hunter L, Chafetz R, **Mulcahey** MJ. Development of the Shriners pediatric instrument for neuromuscular scoliosis (SPINS): A quality of life questionnaire for children with SCI. *J Spinal Cord Med* 2007;30(supp 1):S146-9.
 49. Merenda LA, Duffy T, Betz RR, **Mulcahey** MJ, Dean G, Pontari M. Outcomes of urinary diversion in children with spinal cord injuries. *J Spinal Cord Med* 2007;30(1):S41-S7. PMID:17874686
 50. +Oladeji O, Johnston TE, Smith BT, **Mulcahey** MJ, Betz RR, Lauer RT. Quality of life in children with spinal cord injury. *Pediatr Phys Ther* 2007;19(4):296-300. Doi:10.1097/PEP.0b013e31815a12ef PMID:18004197
 51. Lauer RT, Johnston TE, Smith BT, **Mulcahey** MJ, Betz RR, Maurer AH. Bone mineral density of the hip and knee in children with spinal cord injury. *J Spinal Cord Med* 2007;30:S10-4. PMID:17874680
 52. **Mulcahey** MJ, Gaughan J, Betz RR, Vogel L. Rater reliability of the International Classification of Spinal Cord Injury before and after formal training. *J Spinal Cord Medicine* 2007;30(1):S146-50. PMID:17874700
 53. **Mulcahey** MJ, Gaughan J, Betz RR, Johanson K. The international standards for neurological classification of SCI: reliability of data when applied to children and youth. *Spinal Cord* 2007;45:452-9. Doi:10.1038/sj.sc.310198 PMID:17016490
 54. Sison-Williamson M, Bagley A, Hongo A, Vogel LC, **Mulcahey** MJ, Betz RR, McDonald CM. Effect of thoracolumbosacral orthoses on reachable workspace volumes in children with spinal cord injury. *J Spinal Cord Med* 2007;30(1):S184-91. PMID:17874706
 55. Chafetz RS, **Mulcahey** MJ, Betz RR, Anderson C, Vogel LC, Gaughan JP, O'Del MA, Flanagan A, McDonald CM. Impact of prophylactic thoracolumbosacral orthosis bracing on functional activities and activities of daily living in the pediatric spinal cord injury population. *J Spinal Cord Med* 2007;30(1):S178-83. PMID:17874705
 56. Hunter L, Molitor F, Chafetz RS, **Mulcahey** MJ, Vogel LC, Betz RR, McDonald CM. Development and pilot test of the Shriners pediatric instrument for neuromuscular scoliosis (SPINS): a quality of life questionnaire for children with spinal cord injuries. *J Spinal Cord Med* 2007; 30(1):S150-7. PMID:17874701
 57. Sison –Williamson M, Bagley A, **Mulcahey** M, Betz R, Vogel L, Anderson C, McDonald C. Validity of thoracic-lumbar-sacral orthosis compliance monitors in children with spinal cord injury. *J Spinal Cord Med* 2007;30(1): S164-90.
 58. **Mulcahey** MJ, Gaughan J, Betz R, Vogel L. Rater agreement on the ISCSCI motor and sensory scores obtained before and after formal training in testing technique. *J Spinal Cord Med* 2007;30(S1): S146-9. PMID:17874700
 59. Lauer R, Johnston T, Smith B, **Mulcahey** MJ, Betz RR, Maurer AH. Bone mineral density of the hip and knee in children with SCI. *J Spinal Cord Med* 2007; 30 (supp 1):S10-4. PMID:17874680
 60. **Mulcahey** MJ, Hutchison D, Kozin S. Assessment of the upper limb in tetraplegia. *J Rehab Res Dev* 2007;44(1): 91-102. Doi: 10.1682/JRRD.2005.10.0167
 61. **Mulcahey** MJ, Gaughan J, Betz RR. Agreement of ISCSCI scores at individual myotomes and dermatomes in youth with complete injuries. *Spinal Cord* 2009; 47(1):56-61. Doi: 10.1038/sc.2008.66 PMID:18542090
 62. +Allen D, **Mulcahey** MJ, Haley SM, DeVivo M, Vogel L, McDonald C, Duffy T, Betz R. Motor scores on the functional independence measure after pediatric spinal cord injury. *Spinal Cord* 2009; 47(3); 213-7. Doi: 10.1038/sc.2008.94 PMID:1867940.
 63. +Hutchinson D, Kozin SH, Mayer N, **Mulcahey** MJ, Duffy T, Gaughan J. Dynamic EMG evaluation of adolescents with traumatic cervical spinal cord injury after biceps to triceps transfer: the role of phasic contraction. *J Hand Surg Am* 2008;33(8):1331-6. Doi: 10.1016/j.jhsa.2008.04.022 PMID:18929197.
 64. Betz RR, **Mulcahey** MJ, Ramirez N, Flynn J, Smith J, St Hilaire T, Campbell R. Mortality and life-threatening events after vertical expandable prosthetic titanium rib surgery in children with hypoplastic chest wall deformity. *J Pediatr Orthop* 2008;28(8):850-3. Doi: 10.1097/BPO.0b013e3181818e19a4 PMID:19034177
 65. *Chafetz R, **Mulcahey** MJ. International standards for neurological classification of spinal cord injury: training effect on accurate classification. *J Spinal Cord Med* 2008;31(5):538-42. PMID:19086711

66. **Mulcahey** MJ, Haley S, Duffy T, Betz RR. Measuring physical functioning in children with spinal impairment using computerized adaptive testing. *J Pediatr Orthop* 2008;28(3):330-5. Doi: 10.1097/BPO.0b013e318168c792 PMID:18362799
67. Hunter L, Sison-Williamson M, Mendoza M, McDonald C, Molito F, **Mulcahey** MJ, Betz RR, Vogel L, Bagley A. The validity of compliance monitors to assess wearing time of thoracic lumbar sacral orthoses in children with spinal cord injury. *Spine (Phila Pa 1976)* 2008;33(14):1554-61. Doi:10.1097/BRS.0b013e318178864e PMID:18552670
68. Anderson K, Aito S, Atkin M, Biering-Sorensen F, Charlifu S, Curt A, Ditunno J, Glass C, Marino R, Marshall R, **Mulcahey** MJ, Post M, Savic G, Scivoletto O, Catz A. Functional recovery measures for SCI: comparison multi-national work group. *J Spinal Cord Med* 2008;31(2):133-44. PMID:18581660
69. Dumas HM, Watson K, Fragala-Pinkham MA, Haley SM, Bilodeau N, Montpetit K, Gorton G, **Mulcahey** MJ, Tucker C. Using cognitive interviewing for test items to assess physical function in children with cerebral palsy. *Pediatr Phys Ther* 2008;20(4):356-62. Doi: 10.1097/PEP.0b013e31818ac500 PMID:19011526
70. Duff S, **Mulcahey** MJ, Betz RR. Adaptation in sensorimotor control after restoration of grip and pinch in children with tetraplegia. *Top SCI Rehabil* 2008;13(4):54-71.
71. LeClercq C, Kozin S, **Mulcahey** MJ. Reconstruction of elbow extension. *Hand Clin* 2008;24(2):185- 201. Doi: 10.1016/j.hcl.2008.02.003 PMID:18456125
72. **Mulcahey** MJ, Weiss A. Contemporary issues related to management of the upper limb in tetraplegia: preface. *Hand Clin* 2008;24(2):xi. Doi: 10.1016/j.hcl.2008.02.002 PMID:18456120
73. Alexander M, Anderson K, Biering-Sorensen F, Blight A, Brannon R, Bryce T, Creasy G, Catz A, Curt A, Donovan W, Ditunno J, Ellaway P, Finnerup NB, Graves D, Haynes BA, Heinemann AW, Jackson AB, Johnston MV, Kalpakjian CZ, Kleitman N, Krassioukov A, Krogh K, Lammertse D, Magasi S, **Mulcahey** MJ, Schurch B, Sherwood A, Steeves J, Steins S, Tulsy D, van Hedel, HJ, Whiteneck G. Outcome measures in spinal cord injury. Recent assessment and recommendations for future directions. *Spinal Cord* 2009; 47(8):582-91. Doi: 10.1038/sc.2009.18 PMID:19381157
74. Tucker C, Montpetit K, Bilodeau N, Dumas H, Fragala-Pinckham M, Watson K, Gorton G, Ni P, Hambleton R, **Mulcahey** MJ, Haley S. Development of a parent reported computer adaptive test to assess physical functioning in children with cerebral palsy: upper extremity skills. *Dev Med Child Neurol* 2009; 51(9):725-31. Doi: 10.1111/j.1469-8749.2009.03267.x PMID:19416341
75. *Calhoun CL, Haley SM, Riley A, Vogel LC, McDonald CM, **Mulcahey** MJ. Development of items designed to evaluate activity performance and participation in children and adolescents with spinal cord injury. *Int J Pediatr* 2009;854904. PMID:20049343
76. *Chafetz R, Prak S, **Mulcahey** MJ. Computerized classification of neurological injury based on the international standards for classification of spinal cord injury. *J Spinal Cord Med* 2009; 32(5):591-4.
77. **Mulcahey** MJ, Calhoun C, Riley A, Haley S. Children's reports of activity and participation after sustaining spinal cord injury: a cognitive interviewing study. *Dev Neurorehabil* 2009; 12(4):191-200. Doi: 10.1080/17518420902998177 PMID:19842818
78. *Calhoun C, Chafetz R, **Mulcahey** MJ. Discrepancy between severity obtained from examinations and classification conducted by experienced examiners and classifiers and documented severity in paediatric spinal cord injury. *Dev Neurorehabil* 2009; 12(6):406-10. Doi: 10.3109/17518420903179660 PMID:2020554
79. Pahys J, **Mulcahey** MJ, Hutchinson D, Betz R. Scapular stabilization in patients with spinal cord injury. *J Spinal Cord Med* 2009; 32(4):389-97. PMID:19777859
80. *Tucker CA, Montpetit K, Bilodeau N, Dumas H, Fragala-Pinkham M, Watson K, Gordon G, Ni P, Hambleton RK, **Mulcahey** MJ, Haley S. Development of a parent reported computer adaptive test to assess physical function in children with CP: upper extremity skills. *Dev Med Child Neurol* 2009; 51(9):725-31. Doi: 10.1111/j.1469-8749.2009.03267.x PMID:19416341.
81. *Samdani A, Fayssoux R, Asghar J, McCarthy J, Betz RR, Gaughan J, **Mulcahey** MJ. Chronic spinal cord injury in the pediatric population: Does magnetic resonance imaging correlate with the international standards for neurological classification of spinal cord injury examination? *Spine (Phila Pa 1976)* 2009; 34(1):74-81.
82. *Samdani A, Chafetz RS, Vogel LC, Betz RR, Gaughan JP, **Mulcahey** MJ. The international standards for neurological classification of spinal cord injury: relationship between S4-5 dermatome testing and anorectal testing. *Spinal Cord* 2011 Mar; 49(3):352-6. Epub 2010 Nov 2. Doi: 10.1038/sc.2010.144 PMID:21042330

83. *Mohamed F, Hunter L, Barakat N, Chia-Shang J, Sair H Samdani A, Betz R, Faro S, Gaughan J, **Mulcahey**, MJ. Diffusion tensor imaging of the pediatric spinal cord at 1.5 T: preliminary results. *Am J Neuroradiol.* 2011 Feb; 32(2):339-45. Epub 2011 Jan 13. Doi: 10.3174/ajnr.A2334 PMID:21233227
84. *Montepetit K, Haley SM, Bilodeau N, Gorton G, **Mulcahey** MJ. Content range and precision of a computer adaptive test of upper extremity function for children with CP. *Phys Occup Ther Pediatr* 2011 Feb; 31(1):90-102. Doi: 10.3109/01942638.2010.523449 PMID:20942642
85. Flynn JM, Ramirez N, Emans JB, Smith JT, **Mulcahey** MJ, Betz RR. Is the vertebral expandable prosthetic titanium rib a surgical alternative in patients with spina bifida? *Clin Orthop Relat Res* 2010; 469(5):1291-6. Doi:10.1007/s11999-010-1620-1 PMID:20941646
86. Betz RR, Lavelle WF, **Mulcahey** MJ, Samdani AF. Histology of a fusion mass augmented with demineralized bone matrix for congenital scoliosis. *J Pediatr Orthop* 2010 Jan; 20(1):37-40. Doi: 10.1097/BPB.0b013e32833eeaaa PMID:20859230
87. Waring WP 3rd, Biering-Sorensen F, Burns S, Donovan W, Graves D, Jha A, Jones L, Kirshblum S, Marino R, **Mulcahey** MJ, Reeves R, Scelza WM, Schmidt-Read M, Stein A. 2009 review and revisions of the international standards for the neurological classification of spinal cord injury. *J Spinal Cord Med* 2010; 33(4):346-52. PMID:21061894
88. Berven SH, Yaszemski MJ, Newton PO, Christianson W, Aberman HM, Moreau JC, **Mulcahey** MJ, Betz RR. Introduction of new devices and technologies into a spine surgery practice: a review of processes and regulations. *Orthopedics* 2010; 33(10):742-7. Doi: 10.3928/01477447-20100826-18 PMID:20954620
89. **Mulcahey** MJ, DiGiovanni N, Calhoun C, Homko E, Riley A, Haley S. Children's and parents' perspectives of activity performance and participation following spinal cord injury. *Am J Occup Ther* 2010; 64(4):605-13. Doi: 10.5014/ajot.2010.08148 PMID:20825132
90. *Kozin, SH, D'Addesi L, Chafetz R, Ashworth S, **Mulcahey** MJ. Biceps-to-triceps for elbow extension in persons with tetraplegia. *J Hand Surg Am* 2010; 35(6):968-75. Doi: 10.1016/j.jhssa.2010.03.011 PMID:20513578
91. Flynn JM, Ramirez N, Betz RR, **Mulcahey** MJ, Pino F, Herrera-Soto JA, Carlo C, Cornier AS. Steel syndrome: dislocated hips, radial heads, carpal coalition, scoliosis, short stature, and characteristic facial features. *J Pediatr Orthop* 2010; 30(3):282-8. Doi: 10.1097/BPO.0b013e3181d3e464 PMID:20357596
92. McCarthy K, Chafetz RS, **Mulcahey** MJ, Frisch R, D'Andrea LP, Betz RR. Clinical efficacy of the vertebral wedge osteotomy for the fusionless treatment of paralytic scoliosis. *Spine* 2010 Feb 15; 25(4):403-10. Doi: 10.1097/BRS.0b013e3181c3e89a PMID:20110834
93. Betz RR, Ranade A, Samdani AF, Chafetz R, D'Andrea L, Gaughan J, Asghar J, Grewal H., **Mulcahey** MJ. Vertebral body stapling: a fusionless treatment option for a growing child with a moderate idiopathic scoliosis. *Spine (Phila Pa 1976)* 2010; 35(2):169-76. Doi: 10.1097/BRS.0b013e3181c6dff5 PMID:20081512.
94. *Gorton G, Watson K, Tucker C, Tian F, Montepetit K, Haley S, **Mulcahey** MJ. Precision and content range of a parent-reported item bank assessing lower extremity and mobility skills in children with cerebral palsy. *Dev Med Child Neurol* 2010; 52(7):660-5. Doi: 10.1111/j.1469-8749.2010.03615.x PMID:20163428
95. *Haley S, Chafetz RS, Tian R, Montpetit K, Watson K, Gorton G, **Mulcahey** MJ. Validity and reliability of physical functioning computer adaptive tests for children with cerebral palsy. *J Pediatr Orthop* 2010; 30(1):71-5. Doi: 10.1097/BPO.0b013e3181c85453 PMID:20032746
96. Samdani A, Rutter L, Betz R, **Mulcahey** MJ. Vision loss after spinal fusion for scoliosis in a child with a spinal cord injury. *J Spinal Cord Med* 2010; 32(5):591-4.
97. *Schottler J, Vogel L, Chafetz R, **Mulcahey** MJ. Patient and caregiver knowledge of severity of injury among youth with spinal cord injury. *Spinal Cord* 2010; 48(1):34-8. Doi: 10.1038/sc.2009.74 PMID:19546872
98. **Mulcahey**, MJ, Samdani AF, Gaughan JP, Barakat N, Faro S, Betz RR, Finsterbusch J, Mohamed F. Diffusion tensor imaging in pediatric spinal cord injury: preliminary examination of reliability and clinical correlation. *Spine (Phila Pa 1976)*, Dec. 28, 2011; PMID:22210015.
99. Dasch KB, Russell HF, Kelly EH, Gorzkowski JA, **Mulcahey** MJ, Betz RR, Vogel LC. Coping in Caregivers of youth with spinal cord injury. *J Clinical Psychology in Medical Setting* 2011; 18(4), 361-371. Doi: 10.1007/s10880-011-9258-z

PMid:21861066

100. Kirshblum SC, Waring W, Biering-Sorensen F, Burns SP, Johansen M, Schmidt-Read M, Donovan W, Graves D, Jha A, Jones L, **Mulcahey** MJ, Krassioukov A: Reference for the 2011 revision of the International Standards for Neurological Classification of Spinal Cord Injury. *J Spinal Cord Med* 2011; 34(6):547-54. Doi: 10.1179/107902611X13186000420242 PMid:22330109
101. Kirshblum SC, Burns SP, Biering-Sorensen F, Donovan W, Graves DE, Jha A, Johansen M, Jones L, Krassioukov A, **Mulcahey** MJ, Schmidt-Read M, Waring W: International standards for neurological classification of spinal cord injury (revised 2011). *J Spinal Cord Med* 2011; 34(6):535- 46. Doi: 10.1179/204577211X13207446293695 PMid:22330108
102. *Merenda L, Costello K, Santangelo AM, **Mulcahey** MJ. Perceptions of self-image and physical appearance. Conversations with typically developing youth and youth with idiopathic scoliosis. *Orthop Nurs* 2011; 30(6):383-90. Doi: 10.1097/NOR.0b013e31823710a0 PMid:22124191
103. **Mulcahey** MJ, Vogel L, Betz R, Samdani A, Chafetz R, Gaughan J. The international standards for neurological classification of spinal cord injury: psychometric evaluation and guidelines for use with children and youth. *Phys Med Rehabil*, 2011; 92:1264-9. Doi: 10.1016/j.apmr.2011.03.003
104. **Mulcahey** MJ, Samdani A, Chafetz R, Santangelo AM, Merenda L, Costello K, Calhoun C, Betz R. Cognitive testing of the spinal appearance questionnaire with typically developing youth and youth with idiopathic scoliosis. *J Pediatr Orthop* 2011; 31(6):661-7. Doi: 10.1097/BPO.0b013e318221ea8b PMid:21841442
105. Lauer RT, Smith BT, **Mulcahey** MJ, Betz RR, Johnston T. Effects of cycling and/or electrical stimulation on bone mineral density in children with SCI. *Spinal Cord* 2011;49:917-23. Doi: 10.1038/sc.2011.19 PMid:21423253
106. Biering-Sorensen F, Burns AS, Curt A, Harvey LA, **Mulcahey** MJ, Nance PW, Sherwood AM, Sisto SA. International spinal cord injury musculoskeletal basic data set. *Spinal Cord* 2012;50:797-802. doi: 10.1038/sc.2012.102, PMID:22945748.
107. +Krisa L, Gaughan J, Vogel L, Betz RR, **Mulcahey** MJ.. Response to Editorial note on: Agreement of repeated motor and sensory scores at individual myotomes and dermatomes in young persons with spinal cord injury. *Spinal Cord*, 2013;82. Nov 6. doi: 10.1038/sc.2012.130, PMID:23128506.
108. **Mulcahey**, MJ, Calhoun C, Tian F, Ni P, Vogel L, Haley S. Evaluation of newly developed item banks for child reported outcomes of participation following spinal cord injury. *Spinal Cord*. 2012 Dec;50(12):915-9. doi: 10.1038/sc.2012.80. Epub 2012 Aug 21. doi: 10.1038/sc.2012.80, PMID:22907639.
109. **Mulcahey** MJ. Spinal Cord Injury. *J Pediatric Rehabil Med* 2012;5(4):243. Doi:10.3233/PRM-2012-00224.
110. Vogel LC, Betz RR, **Mulcahey** MJ. Spinal Cord Injuries in children and adolescents. *Hand Clinics Neurol*, 2012;109:131-148. doi: 10.1016/B978-0-444-52137-8.00008-5, PMID:23098710
111. **Mulcahey** MJ, Kozin S, Merenda L, Gaughan J, Tian F, Gogola G, James M, Ni P, Haley S. Evaluation of the box and blocks test, stereognosis and item banks of activity and upper extremity function in youths with brachial plexus birth palsy. *J Pediatr Orthop*. 2012 Sep;32 Suppl 2:S114-22. doi: 10.1097/BPO.0b013e3182595423, PMID:22890449.
112. *Barakat, N, **Mulcahey** MJ, Mohamed F, Gaughan J. Diffusion Tensor Imaging in a Child with Transverse Myelitis. *Pediatric J Phys Med Rehab*. 2012;5:281-286.
113. *Calhoun C & **Mulcahey** MJ. Validity and reliability of the Walking Index of Function in children with spinal cord injury. *Pediatric J Phys Medicine and Rehab*. 2012;5:275-279.
114. Lindwall JJ, Russell HF, Kelly E, Klass S, **Mulcahey** MJ, Betz RR, Vogel LC. Coping and Participation in Youth With Spinal Cord Injury. *Topics in SCI Rehabilitation*, 2012,18(3);220-231.
115. Marino RJ, Patrick M, Albright W, Leiby BE, **Mulcahey** MJ, Schmidt-Read M, Kern SB. Development of an objective test of upper limb function in tetraplegia: The Capabilities of the Upper Extremity Test. *Am J Phys Med Rehabil*. 2012 Jun; 91(6):478-86. Doi: 10.1097/PHM.0b013e31824fa6cc PMid:22469875
116. **Mulcahey**, MJ, Samdani AF, Gaughan JP, Barakat N, Faro S, Betz RR, Finsterbusch J, Mohamed F. Diffusion tensor imaging in pediatric spinal cord injury: preliminary examination of reliability and clinical correlation. *Spine*, 2012;37(13):1-7. Doi: 10.1097/BRS.0b013e3182470a08 PMid:22210015
117. *Barakat N, Mohamed F, Hunter L, Shah L, Faro S, Samdani A, Finsterbusch J, Betz R, Gaughan J, **Mulcahey** MJ. Diffusion tensor imaging of the normal pediatric spinal cord using an inner-FoV EPI sequence. *Am J Neuroradiol*, 2012 Feb 2. PMID:22300927

118. **Mulcahey** MJ, Merenda L, Tian F, Kozin S, James M, Gogola G, Pengsheng N. Computer adaptive test approach to the assessment of children and youth with brachial plexus injuries. *Amer J Occupational Therapy*, 2013; 67(5):524-533. doi:10.5014/ajot.2013.008037, PMID:23968790.
119. **Mulcahey** MJ, Samdani AF, Gaughan JP, Barakat N, Faro S, Shah P, Betz RR, Mohamed F. Diagnostic Accuracy of Diffusion Tensor Imaging for Pediatric Cervical Cord. *Spinal Cord* 2013;51(7):532-537. doi:10.1038/sc.2013.36, PMID:23608812.
120. Smith T, Russell H, Kelly E, **Mulcahey** MJ, Betz RR, Vogel LC. Examination and measurement of coping among adolescents with spinal cord injury. *Spinal Cord* 2013;51(9):710-714. doi:10.1038/sc.2013.65, PMID:23896670.
121. Kratz A, Slavin M, **Mulcahey** MJ, Jette A, Tulsy D, Haley SM. An examination of the PROMIS Pediatric Instruments to Assess Mobility in Children with Cerebral Palsy. *Quality of Life Research*, 2013;22(10):2865-2876. DOI :10.1007/s11136-013-0397-6, PMID:23543391, PMCID:PMC3758380.
122. Hwang M, Zebracki K, Betz RR, **Mulcahey** MJ, Vogel LC. Normative blood pressure and heart rate in pediatric spinal cord injury. *Topics of Spinal Cord Injury Rehabilitation*, 2013;19(2):87-95. DOI: 10.1310/sci1902-87, PMID:23671378, PMCID:PMC3641910.
123. *Krisa L, **Mulcahey** MJ, Gaughan JP, Smith B, Vogel LC. 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. *Topics of Spinal Cord Injury Rehabilitation*, 2013;19(2): 114-120. DOI: 10.1310/sci1902-114, PMID:23671381, PMCID:PMC3641913.
124. *Bent L, Mulcahey MJ, Kelly E, Calhoun C, Tian F, Pensheng N, Vogel L, Haley S, **Mulcahey** MJ. Child- and Parent- Report Computer-Adaptive Tests for Assessing Daily Routines among Youth with Spinal Cord Injury. *Topics of Spinal Cord Injury Rehabilitation*, 2013;19(2):104-113. DOI: 10.1310/sci1902-104 ,PMID:23671380, PMCID:PMC3641912.
125. **Mulcahey**, MJ, Barakat N, Hunter L., Gaughan J, Betz R, Vogel L. Neuromuscular Scoliosis in Children with Spinal Cord Injury. *Topics in Spinal Cord Injury Rehabilitation* 2013;19(2):96-103. DOI: 10.1310/sci1902-96, PMID:23671379, PMCID:PMC3641911.
126. +Krisa L, Middleton D, Faro S, Calhoun C, Mohamed F, **Mulcahey** MJ. Cerebral activation during the test of spinal cord injury severity in children: an fMRI study. *Topics in Spinal Cord Injury Rehabilitation* 2013;19(2):121-128. DOI: 10.1310/sci1902-121, PMID:23671382, PMCID:PMC3641914.
127. *Chafetz RC, Gaughan JP, Calhoun C, Schottler J, Vogel LC, Betz RR, **Mulcahey** MJ. Relationship between neurological injury and patterns of upright mobility in children with spinal cord injury. *Topics in Spinal Cord Rehabilitation* 2013;19(1)31-41. DOI: 10.1310/sci1901-31 PMID: 23678283m PMCID:PMC3584792.
128. *Krisa L, Gaughan J, Vogel LC, Betz RR, **Mulcahey** MJ. Agreement of repeated motor and sensory scores at individual myotomes and dermatomes in young persons with spinal cord injury. *Spinal Cord*. 2013;51:75-81. Nov 13. doi: 10.1038/sc.2012.127, PMID:23147133.
129. Kirshblum S, Biering-Sorensen F, Betz R, Burns S, Donovan W, Graves DE, Johansen M, Jones L, **Mulcahey** MJ, Rodriquez GM, Schmidt-Read M, Steeves JD, Tansey K, Waringin W. International Standards for Neurological Classification of SCI: cases with classification challenges. *J Spinal Cord Med.*, 2014, 37(2):120-127. DOI 10.1179/2045772314Y.0000000196, PMID:24559416, PMCID:PMC4066420.
130. *Barakat N, Shah P, Faro S, Gaughan J, Middleton D, **Mulcahey MJ**, Mohamed F. Inter- and intra-rate reliability of DTI parameters in the normal pediatric spinal cord. *World J Radiology*, 2015;7(9):279-285. Doi:10.4329/wjr.v7.i9.279.
131. Russell H, January AM, Kelly EN, **Mulcahey MJ**, Betz RR, Vogel LC. Patterns of coping strategy use and relationship with psychosocial health in adolescents with spinal cord injury. *J Ped Psychol*, 2015;40(5):535-543. Doi:10.1093/jpepsy/jsu159, PMID:25617634.
132. Marino R, Kern S Leiby B, Schmidt-Read M, **Mulcahey MJ**. Reliability and validity of the Capability of Upper Extremity Test (CUE-T) in subjects with chronic spinal cord injury. *J Spinal Cord Med*, 2014. 38(4):498-504. Doi:10.1179/2045772314Y.0000000272, PMID 25297342, PMCID:PMC4612205.
133. +Muller M, Toth-Cohen S, **Mulcahey MJ**. Development and evaluation of a hospital based peer support group for young stroke survivors. *Occupational Therapy in Health Care*, 2014 28(3):277-295. Doi: 10.3109/07380577.2014.919551, PMID 24971895.
134. *Middleton D, Mohamed F, Barakat N, Hunter L, Shellikeris A, Finterbush J, Faro SH, Shah D, Samdani AF, **Mulcahey MJ**. An investigation of motion correction algorithms for pediatric spinal cord DTI in healthy subjects and patients with spinal cord injury. *Magnetic Resonance Imaging*, 2014, 32(5):433-439. doi:10.10/j.mri.2014.01.020, PMID:24629515.
135. Biering-Sorensen F, Bryden A, Curt A, Friden J, Harvey LA, **Mulcahey MJ**, Popovic MR, Prochazka A, Sinnott KA, Snoek G. International spinal cord injury upper extremity basic data set. *Spinal Cord*, 2015;53(12):890. DOI 10.1038/sc.2014.87. PMID:24891012.

136. Tian F, Pengsheng N, **Mulcahey MJ**, Hambleton R, Tulsy D, Haley SM, Jette AM. Tracking functional status across the spinal cord injury lifespan: Linking Pediatric and Adult Patient reported outcome scores. *Arch Phys Med Rehab*, 2014;95:2078-2085. DOI 10.1016/j.apmr.2014.05.023., PMID:24933214.
137. *Bell A, Guido T, Krisa L, Muhlenhaupt M, **Mulcahey MJ**. Measures and Outcome Instruments for Pediatric Spinal Cord Injury. *Current Physical Medicine and Rehabilitation*, 2016,4:200-207. DOI:10.007/s40141-016-0126-5, PMID:26572606, PMCID:PMC4870166.
138. Aldino E, **Mulcahey MJ**, Trimble S, Argetsinger L, Bienkowski M, Mullen C, Behrman A. Development and initial validation of the pediatric neurorecovery scale. *Pediatric Physical Therapy* 2016, 201, 28(4):416-426. PMID:27428576
139. **Mulcahey MJ**, Slavin MD, Ni P, Vogel LC, Calhoun Thielen CL, Coster WJ, Jette, AM. The Pediatric Measure of Participation (PMoP) Short Forms. *Spinal Cord*, 2016,54(12):1183-1187. doi: 10.1038/sc.2016.68. PMID:27184917.
140. Coster W, Pengsheng N, Slavin M, Kisala P, Nandakumar R, **Mulcahey MJ**, Tulsy D, Jette AM. Differential item functioning in PROMIS pediatric short forms in a sample of children with cerebral palsy. *Developmental Med Child Neurology*, 2016 58(11):1132-1138. doi: 10.1111/dmcn.13138. PMID:27098277, PMCID:PMC5052096.
141. *Conklin CJ, Middleton DM, Alizadeh M, Finsterbusch J, Raunig DL, Faro SH, Shah P, Krisa L, Sinko R, Delalic JZ, **Mulcahey MJ**, Mohamed FB. Spatially selective 2D RF inner field of view diffusion kurtosis imaging of the pediatric spinal cord. *Neuroimage Clin*. 2016 Jan 12;11:61-7. doi: 10.1016/j.nicl.2016.01.009. eCollection 2016.PMID:26909329, PMCID:PMC4735660.
142. Gannotti ME, Law M, Bailes AF, O'Neil ME, Williams U, DiRezze B, Expert Panel. Comparative effectiveness research and children with cerebral palsy: identifying a conceptual framework and specifying measures. *Pediatr Phys Ther* 2016,28(1):58-69. doi:10.1097/PEP.000000000000203. PMID:27088688.
143. Slavin M, **Mulcahey MJ**, L Vogel, C Calhoun, A Jette. Measuring activity limitations in youth with SCI. *Spinal Cord*, 2016, 54(7):546-552. doi: 10.1038/sc.2015.194, PMID:26572606, PMCID:PMC4870166.
144. Cuddihy L, Danielsson AJ, Cahill PJ, Samdani AF, Grewal H, Richmond J, **Mulcahey MJ**, Gaughan JP, Antonacci MD, Betz RR. Vertebral body stapling vs. bracing for patient with high-risk moderate idiopathic scoliosis. *Biomedical Research International*, 2015; 2015:438452. doi: 10.1155/2015/438452, PMID:26618169, PMCID:4649085.
145. **Mulcahey MJ**, C Calhoun, L Vogel, E Kelly, R Sinko. The Spinal Cord Independence Measure Self Report for Youth. *Spinal Cord*, 2016;54(3):204-2012. Jun 16. doi:10.1038/sc.2015.103, PMID:26078233.
146. **Mulcahey MJ**, Haley SM, Slavin M, Pengsheng N, Jette AM. Computer adaptive tests detect change following orthopedic surgery in youth with cerebral palsy. *J Bone Joint Surg Am* 2015; Sept 16;97(18):1482-94. doi:10.2106/JBJS.O.00179. PMID26378264
147. **Mulcahey MJ**, Slavin M, Ni P, Tulsy D, Kisala P, Haley SM, Jette A. Ability of PROMIS Measures to detect change in Children with Cerebral Palsy Undergoing Musculoskeletal Surgery. *J Pediatric Orthopedics*, 2016;36(7):749-756.doi:10.1097/BPO.0000000000000533, PMID:26057065, PMCID:PMC4670604.
148. Reeve BB, Thissen D, DeWalt DA, Huang IC, Liu Y, Magnus B, Quinn H, Gross HE, Kisala P, Ni P, Haley S, **Mulcahey MJ**, Charlifue S, Hanks R, Slavin M, Jette A, Tulsy DS. Linkage between the PROMIS pediatric and adult emotional distress measures. *Qual Life Research*,2016;25(4):823-83. Doi:10.1007/s11136-015-1143-z, PMID:26424169, PMCID:PMC4814370.
149. *Alizadeh M, Conklin CJ, Middleton DM, Shah P, Saksena S, Krisa L, Finsterbusch J, Faro SH, **Mulcahey MJ**, Mohamed FB. Identification of ghost artifact using texture analysis in pediatric spinal cord diffusion tensor images. *Magn Reson Imaging*. 2018 Apr;47:7-15. doi: 10.1016/j.mri.2017.11.006. PMID:29154897, PMCID:PMC5905435.
150. +Jasin S, Winkle M, **Mulcahey MJ**. Integration of Animal-Assisted Therapy Standards in Pediatric Occupational Therapy. *People and Animals: The International Journal of Research and Practice*, Vol. 1 : Iss. 1 , Article 3. Available at: <https://docs.lib.purdue.edu/paij/vol1/iss1/3>.
151. **Mulcahey MJ**, Slavin M, Ni P, Kratz A, Kisala P, Haley SM, Tulsy DS, Jette AM. Examination of the PROMIS® Pediatric upper extremity measures in youth with cerebral palsy. *British J Occupational Therapy*,2018;81(7):393-341. <https://doi.org/10.1177/0308022618757961>.
152. *Alizadeh M, **Mulcahey MJ**, Mohamed F. Reduced Field of View Diffusion Tensor Imaging and Fiber Tractography of the Pediatric Cervical and Thoracic Spinal Cord Injury. *J Neurotrauma*,J Neurotrauma. 2018 Feb 1;35(3):452-460. doi: 10.1089/neu.2017.5174. PMID:29073810, PMCID: PMC5793949.
153. Krogh K, Emmanuel A, Perrouvin-Verbe B, Korsten MA, **Mulcahey MJ**, Biering-Sørensen F. International Spinal Cord Injury Bowel Function Basic Data Set. (Version 2.0). *Spinal Cord*, 2017; 55(7):692-698. doi: 10.1038/sc.2016.189. PMID:28195229.
154. *Carroll A, Vogel L, Zebracki K, Noonan VK, Biering-Sorensen F, **Mulcahey MJ**. Relevance of the International SCI Basic Data Sets to Children and Youth: An Inter-professional Review with Recommendations. *Spinal Cord*, 2017;55(9):875-881. Doi:10.1038/sc.2017.14. PMID:28244501.

155. *Thielen CC, Sadowsky C, Vogel LC, Taylor H, Davidson L, Bultman, J, Gaughan JP, **Mulcahey MJ**. Evaluation of the Walking Index for Spinal Cord Injury II (WISCI II) in Children with Spinal Cord Injury. *Spinal Cord*, 2017;55(5):478-482. doi:10.1038/sc.2016.142. PMID:27752056.
156. **Mulcahey MJ**, Vogel LC, Sheikh M, Arango-Lasprilla JC, Augutis M, Garner E, Hagen EM, Jakeman LB, Kelly E, Martin R, Odenkirchen J, Scheel-Sailer A, Schottler J, Taylor H, Thielen CC, Zebracki K. Recommendations for the National Institute for Neurologic Disorders and Stroke Spinal Cord Injury Common Data Elements for Children and Youth with SCI, *Spinal Cord*, 2017;55(4):331-340. doi:10.1038/2016.139.PMID:27845358.
157. +Leshner DA, Hershey P, Stanton DB, Tiedgen A, **Mulcahey MJ**. Alignment of Outcomes instruments used in hand therapy with core values of occupational therapy: a systematic scoping review. *American J Occupational Therapy* 2017, 71(1):7101-7114. doi:10.5014/ajot/2017.016741.
158. *Alizadeh M, Intinolo A, Middleton D, Conklin CJ, Faro SH, **Mulcahey MJ**, Mohamed FB. Reduced FOV diffusion tensor MR imaging and fiber tractography of pediatric spinal cord injury. *Spinal Cord* 2017;55(3):314-320. doi:10.1038/sc.2016.121, PMID:27527237.
159. *Grampurohit N, Slavin MD, Ni P, Kozin SH, Jette AM, **Mulcahey MJ**. The Cerebral Palsy Profile of Health and Function: Upper Extremity Domain is Sensitive to Change Following Musculoskeletal Surgery. *J Hand Surg Am*. 2019 Feb 4. pii: S0363-5023(18)30485-4. doi: 10.1016/j.jhsa.2018.12.007
160. Kisala PA, Boulton A, Cohen ML, Slavin MD, Jette AM, Charlifue S, Hanks R, **Mulcahey MJ**, Cella D, Tusky D. Interviewer versus. Self-administration of PROMIS Measures for adults with traumatic injuries. *Health Psychology* 2019;38(5):435-444.
161. *Sakensa S, Mohamed F, Middleton D, Krisa L, Alizadeh M, Shahrampour S, Flanders A, Finsterbusch J, **Mulcahey MJ**, Faro S. DTI assessment of regional white matter changes in cervical and thoracic spinal cord injured pediatric subjects. *J Neurotrauma*, 2019;36(6):853-861. Doi: 10.1089/neur.2018.5826.
162. *Sakensa S, Alizadeh M, Middleton DM, Conklin CJ, Krisa L, Flanders A, **Mulcahey MJ**, Mohamed FB, Faro S. Characterization of Spinal Cord Diffusion Tensor Imaging Metrics in Clinically Asymptomatic Pediatric Subjects with Incidental Congenital Lesions. *Spinal Cord Series Cases*, 2018;4:41, doi:10.1038/s41394-018-0073-8. PMID: 29928513, PMCID:PMC5935739.
163. *Saleh E, Dahan-Oliel N, Montpetit K, Benarajah T, Yap R, Barakat N, **Mulcahey MJ**. Functional gains in children with spastic hemiplegia following a tendon Achilles lengthening using computerized adaptive testing – a pilot study. *Child Neurology Open*, 2018;5:1-7. DOI: 10.1177/2329048X18811452
164. *Alizadeh M, Fisher J, Sakensa S, Sultan Y, Conklin CJ, Middleton DM, Krisa L, Finsterbusch J, Flanders AE, Faro SH, **Mulcahey MJ**, Mohamed FB. Age related diffusion and tractography changes in typically developing pediatric cervical and thoracic spinal cord. *Neuroimaging Clinics* 2018;18:784-792. Doi:10.1016/j.nicl.2018.03.014. PMID: 29876264, PMCID:PMC5988463
165. Alizadeh M, Shah P, Conklin C, Middleton DM, Sakensa S, Flanders A, Krisa L, **Mulcahey MJ**, Faro S, Mohamed F. Application of color transformation techniques in pediatric spinal cord MR images” Typically developing and spinal cord injury population. *J Digit Imaging* 2018, Jan. 16, doi:10.1007/s10278-017-0048-5. Epub ahead of print.
166. *Dent K, Grampurohit N, Thielen C, Sadowsky C, Davidson L, Taylor H, Bultman J, Gaughan J, Marino R, **Mulcahey MJ**. Evaluation of the Capabilities of the Upper Extremity Test (CUE-T) in children with tetraplegia. *Topics in Spinal Cord Injury Rehabilitation*, 2018;24(3):239-251. PMID:29997427, PMCID:PMC6037325.
167. *Thielen C, Marino R, Duff S, Kaplan G, **Mulcahey MJ**. Activity based rehabilitation interventions of the neurologically impaired upper extremity: Description of a scoping review protocol. *Topics in Spinal Cord Injury Rehabilitation*, 2018;24(3):288-294. PMID:29997431, PMCID:PMC6037327.
168. *Alizadeh M, Shah P, Conklin CJ, Middleton DM, Sakensa S, Flanders AE, Krisa L, **Mulcahey MJ**, Faro SH, Mohamed FB. Application of color transformation techniques in pediatric spinal cord MR images: typically developing and spinal cord injury populations. *J Digit Imaging*, 2018;31(4):543-552. doi: 10.1007/s10278-017-0048-5. PMID:29340936, PMCID:PMC6113139.
169. Alizadeh M, Fisher J, Sakensa S, Sultan Y, Conklin CJ, Middleton D, Krisa L, Finsterbusch J, Flanders AE, Faro SH, **Mulcahey MJ**, Mohamed FB. Age related diffusion and tractography changes in typically developing pediatric cervical and thoracic spinal cord. *Neuroimag Clin* 2018;18:784-792. Doi:10.1016/j.nicl.2018.03.014.
170. **Mulcahey MJ**, Thielen CC, Dent K, Sadowsky C, Martin R, Vogel LC, Davidson L, Taylor H, Bultman J, Gaughan J. Evaluation of the Graded Redefined Assessment of Strength, Sensibility and Prehension (GRASSP) in Children with Tetraplegia. *Spinal Cord*, 2018;56(8):741-749. doi: 10.1038/s41393-018-0084-0, PMID:29626193.
171. **Mulcahey MJ**, Thielen C, Sadowsky C, Silvestri, JL, Martin R, White L, Cagney JA, Vogel LC, Schottler J, Davidson L, Parry I, Taylor H, Higgins K, Feltz M, Bultman J, Mazurkiewicz J, Gaughan J. Despite

- Limitations, the SCIM-III is Reproducible and a Valid Indicator of Physical Function in Youths with Spinal Cord Injury. *Spinal Cord*. 2018 Apr;56(4):332-340. doi: 10.1038/s41393-017-0036-0, PMID:29269778.
172. *Jones LA, Bryden A, Wheeler TL, Tansey KE, Anderson KD, Beattie MS, Blight A, Curt A, Field-Fote E, Guest JD, Hsieh J, Jakeman LB, Kalsi-Ryan S, Krisa L, Lammertse DP, Leiby B, Marino R, Schwab JM, Scivoletto G, Tulsy DS, Wirth E, Zariffa J, Kleitman N, **Mulcahey MJ**, Steeves JD. Considerations and Recommendations for Selection and Utilization of Upper Extremity Clinical Outcome Assessments in Human Spinal Cord Injury Trials. *Spinal Cord*, 2018 May;56(5):414-425. doi: 10.1038/s41393-017-0015-5, PMID:29284795, PMCID:PMC5951792.
 173. Cuddihy LA, Via KS, Antonacci MD, Hussin AK, Vig KS, **Mulcahey MJ**, Betz RR. Progressive neuromuscular scoliosis secondary to spinal cord injury in a young patient treated with anterior scoliosis correction. *Topics in Spinal Cord Rehabilitation* 2019;25(2):150-156.
 174. *Hwang M, Augutis M, Sadowsky C, Hofers W, Vogel LC, Post M, Charlifue S, New PW, Fisher R, Carney J, Dent K, **Mulcahey MJ**. The international SCI pediatric activity and participation basic data set. *Spinal Cord Ser Cases* 2019;5(91):doi: 10.1038/s41394-019-0230—8.
 175. *Carney J, Fisher R, Augutis M, Charlifue S, Biering-Sorensen F, Hofers W, Hwang M, New PW, Post M, Sadowsky C, Vogel LC, Augustine L, Dent K, **Mulcahey MJ**. Development of the International Spinal Cord Injury Education Data Set. *Spinal Cord Series and Cases* 2019;5;87: doi:10.1038/s4139-019-0229-1.
 176. Betz RR, Biering-Sorensen F, Burns SP, Donovan W, Graves DE, Guest J, Jones L, Kirshblum, Krassioukov A, **Mulcahey MJ**, Schmidt M, Rodriguez GM, Rupp R, Schuld C, Tansey K, Walden K. The 2019 revision of the international standards for neurological classification of spinal cord injury (ISNCSCI) – whats new? *Spinal Cord* 2019;57(10):815-817.
 177. *Ni P, **Mulcahey MJ**, Slavin M, Thielen C, Sadowsky C, Davidson L, Vogel L, Jette A. Tracking spinal cord injury functional outcomes across the life-span: validation of linking coefficients. *Arch Phys Med Rehab* 2019;100(10):1924-1931.
 178. Behrman AL, Trimble SA, Argetsinger LC, Roberts MT, **Mulcahey MJ**, Clayton L, Gregg ME, Lorens D, Ardolino EM. Interrater Reliability of the Pediatric Neuromuscular Recovery Scale. *Topics in Spinal Cord Rehabil* 2019;25(2):121-131.
 179. Tulsy D, Kisala P, Boulton AJ, Jette A, Thissen D, Ni P, DeWalt D, Huang IC, Liu Y, **Mulcahey MJ**, Slavin M, Magnus B, Crump H, Hanks R, Charlifue S, Reeve BB. Determining a Transitional Scoring Link between PROMIS® Pediatric and Adult Physical Item Banks. *Quality of Life Research*,2019;28(5):1217-1229. doi: 10.1007/s11136-018-2073-3.
 180. *Russo Stephanie, Kozin SK, Chafetz R, Zlotlow D, Rapp E, Richards J, **Mulcahey MJ**. Assessment of the Relationship between the Brachial Plexus Profile and the Modified Mallet. *J Hand Therapy J Hand Ther*. 2020 Oct 31:S0894-1130(20)30182-4. doi: 10.1016/j.jht.2020.10.003. Epub ahead of print. PMID: 33308927.,2021.
 181. **Mulcahey MJ**, Jones LP, Guest JD, Blight A, Kirshblum S, Lammertse D, Rupp R, Rockhold F, Steeves JD. Adaptive trial designs for spinal cord injury clinical trials directed to the central nervous system. *Spinal Cord*. *Spinal Cord* (2020). <https://doi.org/10.1038/s41393-020-00547-8>.
 182. *Bell A, Grampurohit N, Marino RJ, Duff S, Kaplan G, Thielen C, **Mulcahey MJ**. Home Activity-based Interventions for the Neurologically Impaired Upper Extremity: A Scoping Review. *Home Healthcare and Management*. Sept. 24, 2020. <https://doi.org/10.1177/1084822320953836>.
 183. Anderson K, Field-Fote E, Biering-Sørensen F, Bryden A, Harvey LA, Jones L, **Mulcahey MJ**, Mulroy S, Noonan VK, Post MWM, Rupp R, Schmidt-Read M. International Spinal Cord Injury Physical Therapy – Occupational Therapy Basic Data Set (Version 1.2). *Spinal Series and Cases*,2020;6(1):74. Doi:10.1038/s41394-020-00323-z.
 184. *Hwang M, Zebracki K, Vogel LC, Varni J, **Mulcahey MJ**. Development of the Pediatric Quality of Life Inventory™ Spinal Cord Injury (PedsQL™ SCI) Module: qualitative methods. *Spinal Cord*, epub ahead of print. <https://doi.org/10.1038/s41393-020-0450-6>.
 185. +Rosner T, **Mulcahey MJ**. School-to-work transition for youth with intellectual disabilities: A practice gap in occupational therapy. *AJOT*, 74 (2), 7402205020. <https://doi.org/10.5014/ajot.2020.035220>.
 186. Tate DG, Wheeler T, Lane GL, Forchheimer M, Anderson KD, Biering-Sorensen F, Cameron AP, Santacruz BG, Jakeman LB, Kennelly MJ, Kirshblum SC, Krassioukov AV, Krogh K, **Mulcahey MJ**, Noonan VK, Rodriguez GM, Spungen AM, Tulsy DS, Post MWM. Recommendations for evaluation of neurogenic bladder and bowel dysfunction after spinal cord injury and/or disease. *J Spinal Cord Med*, 2020 Mar;43(2):141-164. doi: 10.1080/10790268.2019.1706033.
 187. *Grampurohit N, Bell A, Duff SV, **Mulcahey MJ**, Thielen CC, Kaplan G, Marino RJ. Highlighting gaps in spinal cord injury research in activity-based interventions for the upper extremity: A scoping review. *NeuroRehabilitation*. 2021;49(1):23-38. doi: 10.3233/NRE-210042. PMID: 33967071.
 188. +Adams M & **Mulcahey MJ**. Reliability of Spine Range of Motion Measurement after Training in

- Standardized Measurement Techniques. *J Chiropractic Medicine, Journal of Chiropractic Medicine* 2021. ISSN 1556-3707. <https://doi.org/10.1016/j.jcm.2021.09.003>.
189. Fisher J, Alizadeh M, Middleton D, Matias CM, **Mulcahey MJ**, Thielen C, Mohamend F, Krisa L. Brain White Matter Abnormality Induced by Chronic Spinal Cord Injury in the Pediatric Population: A Preliminary Tract-based Spatial Statistic Study. *Topics in Spinal Cord Rehabilitation*. 27(4):1-13. doi: 10.46292/sci20-00018. Epub 2021 Jun 4. PMID: 34866884; PMCID: PMC8604507.
 190. *Thielen CC, Slavin MD, Ni P, **Mulcahey MJ**. Development and initial validation of ability levels to interpret Pediatric Spinal Cord Injury Activity Measure and Pediatric Measure of Participation Scores. *Journal of Pediatric Rehabilitation Medicine: An Interdisciplinary Approach Throughout the Lifespan* 2021, 14:463–476. DOI:10.3233/PRM-200774.
 191. **Mulcahey MJ**, Thielen C, Slavin MD, Ni P, Jette AM. Pediatric Measure of Participation Short Forms Version 2.0: Development and Evaluation. *Spinal Cord*,2021; 59(11):1146-1154. doi: 10.1038/s41393-021-00625-5.
 192. *Middleton DM, Shahrampour S, Krisa L, Liu W, Nair G, Jacobson S, Conklin CJ, Alizadeh M, Faro SH, **Mulcahey MJ**, Mohamed FB. Correlations of diffusion tensor imaging and clinical measures with spinal cord cross-sectional area measurements in pediatric spinal cord injury patients. *J Spinal Cord Med*. 2021 Dec 2:1-8. doi: 10.1080/10790268.2021.1997027. Epub ahead of print. PMID: 34855576.
 193. + Cadematori C, Alpajora B, Sivori T, Betz S, Gerhardt N, Dunn W, **Mulcahey MJ**. Outcomes of Health Coaching in Context with clients with spinal cord injury. *Spinal Cord Series and Cases*, 2021,7:27. <https://doi.org/10.1038/s41394-021-00391-9>.
 194. +Betz S, Cadematori C, **Mulcahey MJ**. Thriving After Pediatric Spinal Cord Injury: Two Life Stories. *Spinal Cord Series and Cases*. 2021,7;25: <https://doi.org/10.1038/s41394-021-00392-8>.
 195. *Haywood C, Martin R, **Mulcahey MJ**. Development of the international spinal cord injury caregiving data set for caregivers. *Spinal Cord* 60, 888–894 (2022). <https://doi.org/10.1038/s41393-022-00810-0>.
 196. *Krisa L, Middleton DM, Saksena Faro SH, Leiby BE, Mohamed FB, **Mulcahey MJ**. Clinical Utility of Diffusion Tensor Imaging as a Biomarker to Identify Microstructural Changes in Pediatric Spinal Cord Injury. *Topics in Spinal Cord Injury Rehabilitation*. 2022 Spring;28(2):1-12. doi: 10.46292/sci21-00048. Epub 2022 Apr 12. PMID: 35521062; PMCID: PMC9009200.
 197. * Faro SH, Saksena S, Krisa L, Middleton DM, Alizadeh M, Finsterbusch J, Flanders AE, Talekar K, **Mulcahey MJ**, Mohamed FB. DTI of chronic spinal cord injury in children without MRI abnormalities (SCIWOMR) and with pathology on MRI and comparison to severity of motor impairment. *Spinal Cord*. 2022 May;60(5):457-464. doi: 10.1038/s41393-022-00770-5. Epub 2022 Apr 4. PMID: 35379960.
 198. Varni JW, Zebracki K, Hwang M, **Mulcahey MJ**, Vogel LC. Pain, pain interference, social and school/work functioning in youth with spinal cord injury: A mediation analysis. *J Spinal Cord Med*. 2022 Sep 23:1-7. doi: 10.1080/10790268.2022.2120232. Epub ahead of print. PMID: 36149340.
 199. +Shaw A., Talero P, Adamczyk AL, **Mulcahey MJ**. Reducing Hospital Readmissions of Elders in Post-Acute Care at Skilled Nursing Facilities: A Scoping Review. *Amer J Occupational Therapy* 2022;76(1). <https://doi.org/10.5014/ajot.2022.049082>.
 200. **Mulcahey MJ**, Gerhardt NM, Alpajora B, Calhoun Thielen C, Dunn W. Coaching-In-Context with Informal Caregivers of Children with Spinal Cord Injury. *Topics in Spinal Cord Injury*, 2022;28(1):99-113 doi: 10.46292/sci21-00045.
 201. *Russo SA, Topley MT, Richardson RT, Richards JG, Chafetz RS, Rapp van Roden EA, Zlotolow DA, **Mulcahey MJ**, Kozin SH. Assessment of the relationship between Brachial Plexus Profile activity short form scores and modified Mallet scores. *J Hand Ther*. 2022 Jan-Mar;35(1):51-57. doi: 10.1016/j.jht.2020.10.003. Epub 2020 Oct 31. PMID: 33308927.
 202. *Dent K, Zebracki K, Sadowsky C, Martin R, Behrman A, Lipa B, Biering-Sørensen F, Vogel LC, **Mulcahey MJ**. Evaluation of the International Spinal Cord Injury Bowel Function Basic Data Set Version 2.0 in Children and Youth With Spinal Cord Injury. *Top Spinal Cord Inj Rehabil*. 2022 Winter;28(1):21-33. doi: 10.46292/sci19-00001. Epub 2021 Oct 25. PMID: 35145332; PMCID: PMC8791417.
 203. Zebracki K, Hwang M, Vogel LC, **Mulcahey MJ**, Varni JW. PedsQL™ Spinal Cord Injury Module: Reliability and Validity. *Topics in Spinal Cord Injury Rehabilitation*. 2022;28(1):64-77.
 204. *McIntyre A, Sadowsky C, Behrman A, Martin R, Augutis M, Cassidy C, Betz R, Ertzgaard P, **Mulcahey MJ**; SCIRE Project Research Group. A Systematic Review of the Scientific Literature for Rehabilitation/Habilitation Among Individuals With Pediatric-Onset Spinal Cord Injury. *Top Spinal Cord Inj Rehabil*. 2022 Spring;28(2):13-90. doi: 10.46292/sci21-00046. Epub 2022 Apr 12. PMID: 35521053; PMCID: PMC9009193.
 205. +Billar O., Biundo J, Mitchell E, Richardson B, Burkhart I, Gerhardt N, Kim RY, **Mulcahey MJ**. Promoting Community Engagement in Spinal Cord Injury Research. *Spinal Cord*, 2023;61(11):632-635. doi: 10.1038/s41393-023-00926-x. PMID: 37591948.
 206. *Krisa L, Jones L, **Mulcahey MJ**, Foad K. Connecting researchers and clinicians before connecting the

injured spinal cord. Topics in Spinal Cord Rehabilitation, (2023) 29 (3): 14-30.

<https://doi.org/10.46292/sci22-00044>

207. *Middleton D, Middleton DM, Shahrapour S, Krisa L, Liu W, Nair G, Jacobson S, Conklin CJ, Alizadeh M, Faro SH, **Mulcahey MJ**, Mohamed FB. Correlations of diffusion tensor imaging and clinical measures with spinal cord cross-sectional area measurements in pediatric spinal cord injury patients. J Spinal Cord Med. 2023 Nov;46(6):950-957. doi: 10.1080/10790268.2021.1997027. Epub 2021 Dec 2. PMID: 34855576; PMCID: PMC10653768.
208. + Gerhardt, N. M., Armstrong, J. P., Serruya, M. D., & **Mulcahey, MJ**. (2024). Outcomes of the NuroSleeve and Occupational Therapy on Upper Limb Function of an Individual with Chronic Hemiparesis Following a Stroke: A Case Report. The Open Journal of Occupational Therapy, 12(1), 1-8. <https://doi.org/10.15453/2168-6408.2166>.
209. *Kim RY, Haydeman G, Calhoun-Thielen C, **Mulcahey MJ**. Standardized administration and scoring guidelines for the Spinal Cord Injury Independence Measure Version 3.0 (SCIM-III). Spinal Cord 2023 May;61(5):296-306. doi: 10.1038/s41393-023-00891-5. Epub 2023 Mar 25. PMID: 36966259..
210. Varni J, Zebracki K, Hwang M, **Mulcahey MJ**, Vogel LC. Bladder and Bowel Function, Bladder/Bowel and Social Worry, Social Participation and Emotional Functioning in Youth with Spinal Cord Injury:A Serial Multiple Mediator Analysis. Spinal Cord. 2023 Aug;61(8):415-421. doi: 10.1038/s41393-023-00912-3. Epub 2023 Jul 6. PMID: 37414836.
211. *Hammelef E, Zakaria SJ, Andersen SH, Kelly TJ 4th, Grampurohit N, Avery M, Napoli A, **Mulcahey MJ**, Serruya MD. A Pilot Feasibility Trial of an Upper Extremity Assistive System. Arch Rehabil Res Clin Transl. 2023 Oct 28;5(4):100308. doi: 10.1016/j.arrct.2023.100308. PMID: 38163018; PMCID: PMC10757169.
212. Varni JW, Zebracki K, Hwang M, **Mulcahey MJ**, Vogel LC. Pain, pain interference, social and social/work functioning in youth with spinal cord injury. A mediation analysis. JSCM 2024, 47(4), 504-510. DOI 10.1080/10790268.2022.2120232
213. *Madarshahian S, Guerro T, Aung PT, Gustafson K, Harrop J, Johnson D, Khantan M, Lee Y, Matios C, McCurdy M, **Mulcahey MJ**, Napoli A, Vaccaro A, Serruya M. The RISES System: An Innovative and Activity-Based Closed-Loop Platform for Spinal Cord Injury Rehabilitation and Recovery. J NeuroEngineering and Rehabilitation, Under Review.
214. *Gerhardt N, Alpajora, B, Silvori T, Dunn W, **Mulcahey MJ**. Coaching in Context: Implications for Practice. New Zealand J of Occupational Therapy.2024
215. *Kim R., Biller O., **Mulcahey MJ**. Evaluating carryover effects of exoskeletons and FES in SCI: Integrative review of the literature. Spinal Cord, In Press.
216. +Jones, L., Field-Fote E., Magnuson D., Basso M., Fouad K., **Mulcahey MJ**. Outcome measures in rodent models for spinal cord injury and their human correlates. J Neurotrauma, In Press.
217. **Mulcahey, MJ**; Gerhardt, Nicole; Kim, Rachel; Grampurohit, Namrata; Capron, Maclain; Graves, Daniel. Development and Initial Evaluation of the Spinal Cord Injury Movement Index (SCI-MovIn). Neurorehabilitation and Neural Repair, Under review.
218. *Gerhardt N, Kim RY, Capron M, **Mulcahey MJ**. Development and preliminary examination of a fidelity assessment for the spinal cord injury movement index. Neurorehabilitation and Neural Repair, Under review.

SCIENTIFIC ABSTRACTS *(descending order: most recent to oldest)*

1. Bennett S, Grampurohit N, Kim R, **Mulcahey MJ**. Relationship between remote and In-person administration of the SCIM-III and GRASP. Presented at the International Spinal Cord Society Meeting, Belgium, Sept. 2024.
2. **Mulcahey MJ**. Spinal Cord Injury Movement Index. American Spinal Injury Association, San Juan PR. May 2024 (pulled due to family illness)
3. **Mulcahey MJ**. Evidenced-informed clinical outcome assessments for pediatric spinal cord injury. International Spinal Cord Society Meeting, Edinburgh, Scotland. October 7-10, 2023.
4. Rachel Kim, Nicole Gerhardt, **MJ Mulcahey**. Development of Performance-based Outcome Assessment for Acute Spinal Cord Injury. 2022 American Congress of Rehabilitation Medicine. November 6-11, 2022. Chicago, IL.
5. Kim, R., Gerhardt, N., Grampurohit, N., **Mulcahey, MJ**. The Spinal Cord Injury-Movement Index (SCI-MI): Results from a Reliability Study. American Congress of Rehabilitation Medicine. November 6-11, 2022. Chicago, IL.
6. Biller, O.M., Biundo, J., Mitchell, E.S.-L., Ofori, E.B., Richardson, B., Kim, Kim, R., Gerhardt, N., **Mulcahey, MJ**. Engaging Stakeholders as Advisors on the Design of a Large-scale Calibration Study of the Spinal Cord

- Injury Movement Index (SCI-MI) Item Pools. 2022 International Spinal Cord Society Annual Scientific Meeting. September 15-18, 2022. Vancouver, Canada.
7. **Mulcahey MJ**. Application of IRT-Derived Clinical Outcome Assessments in Human Research. 2022 International Spinal Cord Society Annual Scientific Meeting. September 15-18, 2022. Vancouver, Canada.
 8. **Mulcahey, MJ**, Jones, L., Grampurohit, N., Gerhardt, N., & Kim, R., (2022). Development of a Performance Based Outcome Assessment for SCI Clinical Trials Using Item Response Theory. 2022 Scientific Meeting of the American Spinal Injury Association. May 2022. Orleans, LA.
 9. Grampurohit, N., Gerhardt, N., Kim, R. Y., Santacroce, D., Sivori, T., Santos, G., Alpajora, B., Piersol, C., **Mulcahey, MJ**. Post-discharge Telehealth Support for Care partners Through a Coaching Approach: A Case Study. 2022 AOTA Annual Conference, San Antonio, TX.
 10. Martin R, Haywood C, **Mulcahey MJ**. Development of the international spinal cord injury caregiving data set for caregivers. 2021 Howard. H. Steel Conference on Pediatric Spinal Cord Injury and Dysfunction. Universal Studio, Orlando, Dec. 9, 2021.
 11. Vogel L., Berhman A, Dent K., Lip B, **Mulcahey MJ**. Field-testing the international spinal cord injury bowel basic data set V.2.0 in pediatric practices. 2021 Howard. H. Steel Conference on Pediatric Spinal Cord Injury and Dysfunction. Universal Studio, Orlando, Dec. 9, 2021.
 12. Kim RY, Haydeman G, Calhoun-Thielen C, **Mulcahey MJ**. Standardized administration and scoring guidelines for the Spinal Cord Injury Independence Measure Version 3.0 (SCIM-III). 2021 Howard. H. Steel Conference on Pediatric Spinal Cord Injury and Dysfunction. Universal Studio, Orlando, Dec. 9, 2021.
 13. Zebracki K, Hwan M, Varni J, Vogel L, **Mulcahey MJ**. PedsQ™ spinal cord injury Module: Reliability and validity. 2021 Howard. H. Steel Conference on Pediatric Spinal Cord Injury and Dysfunction. Universal Studio, Orlando, Dec. 9, 2021.
 14. **Mulcahey MJ**, Slavin MD, Calhoun-Theilen, Jette AM. The pediatric measure of participation short forms (PMoP SF) Version 2.0. 2021 Howard. H. Steel Conference on Pediatric Spinal Cord Injury and Dysfunction. Universal Studio, Orlando, Dec. 9, 2021.
 15. Calhoun-Theilen, & **Mulcahey MJ**. Translation and cultural validation of the child-reported pediatric spinal cord injury activity measure and pediatric measure of participation short forms for American Spanish. 2021 Howard. H. Steel Conference on Pediatric Spinal Cord Injury and Dysfunction. Universal Studio, Orlando, Dec. 9, 2021.
 16. **Mulcahey MJ**, Calhoun-Theilen, Gerhardt N., Dunn W. Outcomes of coaching in context with caregivers of children with SCI. 2021 Howard. H. Steel Conference on Pediatric Spinal Cord Injury and Dysfunction. Universal Studio, Orlando, Dec. 9, 2021.
 17. Dalton H., Kim R, Gerhardt N, **Mulcahey MJ**. Development of an Item Pool for Administration Acutely After SCI. 2021 International Spinal Cord Society Meeting. October, 2021. (virtual due to COVID). Student Award Eligible.
 18. Grampurohit N, Gerhardt R, Kim Rachel, Graves D, **Mulcahey MJ**. Development of the Spinal Cord Injury Movement Index (SCI-MI) Item Pool. 2021 American Spinal Injury Association Meeting. July 6-9, 2021, St. Louis, MI.
 19. Jones L, Field-Fote E, Fouad K, **Mulcahey MJ**. Matrix of Preclinical and Human Measures Used in Research. 2021 American Spinal Injury Association Meeting. July 6-9, 2021, St. Louis, MI.
 20. **Mulcahey MJ**, Gerhardt N, Alpajora B. Preliminary Evaluation of Coaching in Context for Caregivers of Youth with SCI. 2021 American Spinal Injury Association Meeting. July 6-9, 2021, St. Louis, MI.
 21. Alpajora B, Gerhardt N, Calhoun Thielen C, Dunn W, **Mulcahey MJ**. Health Coaching in Context for Caregivers of Youth with Spinal Cord Injury (SCI): A Feasibility Study. 2021 American Occupational Therapy Association INSPIRE, San Diego, CA (Presentation moved to virtual platform due to COVID-19). April 13, 2021.
 22. Sivori TT, Gerhardt NM, Alpajora B, Thielen CC, Dunn W, **Mulcahey MJ**. Assessment of Fidelity to Coaching in Context. 2021 American Occupational Therapy Association INSPIRE, San Diego, CA (Presentation moved to virtual platform due to COVID-19). April 24, 2021.
 23. Kim R, Gerhardt N, Adams M, Alpajora B, Sivori T, **Mulcahey MJ**. Spinal Cord Injury-Movement Index (SCI-MI) Fine Motor Scale: Development and Preliminary Validation. 2020 International Spinal Cord Society Meeting, Yokahoma Japan, Sept. 1-5, 2020. Student Award Abstract. (Presentation moved to virtual platform due to COVID-19).
 24. Alpajora B, Gerhardt N, Calhoun Thielen C, Dunn W, **Mulcahey MJ**. Health Coaching in Context for Caregivers of Youth with Spinal Cord Injury (SCI): A Feasibility Study. 2020 International Spinal Cord Society Meeting, Yokahoma Japan, Sept. 1-5, 2020. Student Award Eligible Abstract. (Presentation moved to virtual platform due to COVID-19).

25. Grampurohit, N., Gerhardt, N., Slavin, M., Thielen, C., Adams, M., **Mulcahey, MJ**. Development and Content Validation of Spinal Cord Injury – Movement Index (SCI-MI) Fine Motor Domain. AOTA Summit of Scholars. Denver, CO., June 2020. (Accepted, Conference cancelled due to COVID-19).
26. **Mulcahey MJ**, Vogel LC, Zebracki K, Betz RR. Life Care Planning. 2020 American Spinal Injury Association Meeting. New Orleans, LA, May 1-5, 2020. (Meeting cancelled due to COVID-19).
27. **Mulcahey MJ**, Slavin MD, Calhoun Thielen C. Pediatric Measure of Participation Short Forms V. 2.0. 2020 American Spinal Injury Association Meeting. New Orleans, LA, May 1-5, 2020. (Meeting cancelled due to COVID-19).
28. Jones LP, Field-Fote E, Basso M, Magnuson D, Tom V, Foud K, **Mulcahey MJ**. A rodent-human sensorimotor matrix: overlap and gaps. International Symposium on Neural Regeneration, Monterey CA. Jan. 26-30, 2020.
29. Grampurohit N & **Mulcahey MJ**. Cerebral Palsy Profile of Health and Function: Upper Extremity (UE-CP-PRO) Domain's Responsiveness Post Surgery. American Congress Rehabilitation Medicine 2019 Annual Conference, Chicago IL, Nov. 5-8, 2019.
30. Betz S, Cadematori C, **Mulcahey MJ**. The lived experience of pediatric spinal cord injury: a narrative inquiry. International Spinal Cord Society Meeting, Nice France, Nov. 5-7, 2019.
31. Cadematori C, Betz S, **Mulcahey MJ**. Health coaching in context: application of a case study. International Spinal Cord Society Meeting, Nice France, Nov. 5-7, 2019
32. Betz S, Cadematori C, **Mulcahey MJ**. Thriving after pediatric spinal cord injury. Pennsylvania Occupational Therapy Association. Oct. 15-17, 2019.
33. Cadematori C, Betz S, **Mulcahey MJ**. Health coaching in context: application of a case study. International Spinal Cord Society Meeting, Nice France, Nov. 5-7, 2019
34. Haywood C, Martin R, **Mulcahey, MJ**. The International SCI Basic Data Sets: Tools to Support Standardized Data Collection in Research and Clinical Care. American Occupational Therapy Association Meeting and Expo, New Orleans LA, Apr 1-5, 2019.
35. Vogel LC, **Mulcahey MJ**, Zebracki K, Betz RR. Management of Spinal Cord Injury in Youth and Adolescents. American Spinal Injury Association Annual Meeting (SCI Summit), Waikiki HI, April 1-5. Topics in Spinal Cord Injury Rehabilitation 2019;25(Sup 1):1.
36. Krisa L, Saksena S, Faro S, Gaughan J, Middleton D, **Mulcahey MJ**, Mohamed F. Diffusion tensor imaging as a biomarker to identify spinal cord integrity in pediatric spinal cord injury. American Spinal Injury Association Annual Meeting (SCI Summit), Waikiki HI, April 1-5. Topics in Spinal Cord Injury Rehabilitation 2019;25(Sup 1):25.
37. Betz RR, Cuddihy L, Antonacci D, **Mulcahey MJ**. A motion-preserving surgical treatment for neuromuscular scoliosis: proof of concept case report. American Spinal Injury Association Annual Meeting (SCI Summit), Waikiki HI, April 1-5. Topics in Spinal Cord Injury Rehabilitation 2019;25(Sup 1):131.
38. **Mulcahey MJ**, Zebracki K, Augutis M, Vogel L, Behrman A. The International SCI Basic Data Sets for Youth. Presented at the 57th ISCoS Meeting, Sydney Australia, Sept. 13-16, 2018.
39. Grampurohit N, Thielen C, **Mulcahey MJ**. Evaluation of the Capabilities of Upper Extremities Test (CUE-T) in Children With Tetraplegia. 2018 SCI-SIG Early Career Poster Award. American Congress of Rehabilitation Scientific Meeting. Oct. 1-3, 2018.
40. **Mulcahey MJ**, Slavin MD, Thielen C. Training on the administration, scoring and interpretation of the spinal cord injury functional index and the pediatric spinal cord injury activity measure. 2018 Annual Meeting of the American Spinal Injury Association Meeting, May 2-4, 2018, Rochester MN. Topics in Spinal Cord Rehabilitation, 2018;24(S1);91.
41. **Mulcahey MJ**, Thielen C, Sawdosky C, Martin R, Vogel LC, Taylor H, Davidson L. Psychometric properties of the SCIM-III Self Report for Youth. 2018 Annual Meeting of the American Spinal Injury Association Meeting, May 204, 2018, Rochester MN. Topics in Spinal Cord Rehabilitation, 2018;24(S1);121-122.
42. Haywood C, Martin R, **Mulcahey MJ**, The Pediatric International Spinal Cord Injury Basic Data Set Caregiver Workgroup. Development of the International SCI Basic Data Set for Caregivers: Capturing Data Beyond the Person with SCI/D. 2018 Annual Meeting of the American Spinal Injury Association Meeting, May 204, 2018, Rochester MN. Topics in Spinal Cord Rehabilitation, 2018;24(S1);123-124.
43. **Mulcahey MJ**. Pediatric spinal cord rehabilitation. 2017 International Spinal Cord Society, Dublin, Ireland. October 26-30, 2017.
44. Slavin M & **Mulcahey MJ**. Contemporary measurement in spinal cord injury. 2017 International Spinal Cord Society, Dublin, Ireland. October 26-30, 2017.

45. Foo S, Piersol C, **Mulcahey MJ**. Opportunity for reducing fall-related spinal cord injury among healthy older adults: referring to occupational therapy. 2017 Annual Meeting of the American Spinal Injury Association, Albuquerque NM. April 25-29, 2017. Topics in SCI Rehab, 2017; 23(Sup 1):38-39.
46. Slavin MD, **Mulcahey MJ**, Thiele CC, Ni P, Johnson C, Davidson L, Sadowsky C, Vogel L, Jette A. Validation of linking estimates for the pediatric SCI activity measure: implications for research and practice. 2017 Annual Meeting of the American Spinal Injury Association, Albuquerque NM. April 25-29, 2017. Topics in SCI Rehab, 2017; 23(Sup 1): 53-54.
47. Zebracki K, Kelly E, Arango-Lasprillo J, Augutis M, Garner E, Hagen E, Taylor H, Vogel L, **Mulcahey MJ**. The NINDS SCI CDEs for psychosocial and quality of life outcome instruments: implications for research and practice. 2017 Annual Meeting of the American Spinal Injury Association, Albuquerque NM. April 25-29, 2017. Topics in SCI Rehab, 2017; 23(Sup 1):55-56.
48. Vogel L, Carroll A, Zebracki K, Noonan V, **Mulcahey MJ**, Biering-Sorensen F. Relevance of the international spinal cord injury data sets to children and youth: an intra-professional review with recommendations. 2017 Annual Meeting of the American Spinal Injury Association, Albuquerque NM. April 25-29, 2017. Topics in SCI Rehab, 2017; 23(Sup 1):56.
49. **Mulcahey MJ**, Thielen CC, Slavin M, Vogel L, Sadowsky C, Davidson L, Gaughan J, Jette A. Predictors of child reported outcomes of daily routines, mobility and participation after spinal cord injury. 2017 Annual Meeting of the American Spinal Injury Association, Albuquerque NM. April 25-29, 2017. Topics in SCI Rehab, 2017; 23(Sup 1):66-67.
50. **Mulcahey MJ**, Slavin M, Thielen CC. Selection, administration, scoring and administration of the pediatric SCI activity measure and the pediatric measure of participation. 2017 Annual Meeting of the American Spinal Injury Association, Albuquerque NM. April 25-29, 2017. Topics in SCI Rehab, 2017; 23(Sup 1):73-74.
51. Alizadeh M, Sultan Y, Saksen S, Conklin C, Middleton D, Fisher J, Krisa L, Faro S, **Mulcahey MJ**, Mohamed F. Age-related changes in reduced FOV DTI and fiber tractography of the typically developed cervical and thoracic spinal cord. 2017 Annual Meeting of the American Spinal Injury Association, Albuquerque NM. April 25-29, 2017. Topics in SCI Rehab, 2017; 23(Sup 1):76-77.
52. **Mulcahey MJ**, Thielen CC, Sadowsky C, Vogel L, Taylor H, Davidson L, Bultman J, Gaughan J. Despite limitations, the SCIM-III is reproducible and a valid indicator of physical function in youth with SCI. 2017 Annual Meeting of the American Spinal Injury Association, Albuquerque NM. April 25-29, 2017. Topics in SCI Rehab, 2017; 23(Sup 1):96-97.
53. Foo S, **Mulcahey MJ**, Piersol C. Utilization of Occupational Therapy by Older Healthy Adults at Risk for Falls is Low. Presented at the 2017 Annual Conference and Expo of the American Occupational Therapy Association. Philadelphia, PA. Mar. 30-Apr.2, 2017, Philadelphia, PA.
54. Levy F & **Mulcahey MJ**. Examining the Experiences of and Unmet Needs of Chassidic Mothers Raising a Child With Autism. Presented at the 2017 Annual Conference and Expo of the American Occupational Therapy Association. Philadelphia, PA. Mar. 30-Apr.2, 2017, Philadelphia, PA. Levy, F., & Mulcahey, M. J. (2017). American Journal of Occupational Therapy, 71(4_Supplement_1), 7111505122p1-7111505122p1.
55. **Mulcahey MJ**, Schmidt-Read M, Betz R, Vogel L, Thielen CC. Best practice for the neurological evaluation of children and youth with SCI. 2017 Annual Meeting of the American Spinal Injury Association, Albuquerque NM. April 25-29, 2017. Topics in SCI Rehab, 2017; 23(Sup 1):118-119.
56. **Mulcahey MJ** & Slavin M. Selection, Administration and Scoring of the PEDI-AM. 2016 International Spinal Cord Society Annual Meeting. Vienna, Austria. Sept. 14-16, 2016.
57. Calhoun Thielen CL, Sadowsky C, Kozin S, Vogel LC, Davidson L, Bultman J, Taylor H, Gaughan JP, **Mulcahey MJ**. Meeting of the Academy of SCI Professionals. Nashville TN, Sept. 3-7, 2016. Performance of the SCIM-III in youth with SCI. J Spinal Cord Medicine 39(5):563.
58. Calhoun Thielen CL, Sadowsky C, Kozin S, Vogel LC, Davidson L, Bultman J, Taylor H, Gaughan JP, **Mulcahey MJ**. The WISCI-II in children and Youth with SCI. Meeting of the Academy of SCI Professionals. Nashville TN, Sept. 3-7, 2016 J Spinal Cord Med 2016,9(5):552.
59. Jakeman L, Charlifue S, **Mulcahey MJ**, Noonan V. Implementing the common data elements in clinical research activities. Neurotrauma Annual Meeting. Lexington, Ky., June 26-29, 2016.
60. **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 SCI. Topics in Spinal Cord Injury Rehabilitation, 2016;22(S-1):32. (Award Eligible).
61. Betz RR, Mulcahey MJ, Cuddihy L, Antonacci MD. A motion preserving surgical treatment for neuromuscular scoliosis: A case report. Topics in Spinal Cord Injury Rehabilitation, 2016;22(S-1):42.

62. Calhoun CL, Sadowsky C, Kozin S, Vogel LC, Davidson L, Bultman J, Taylor H, Gaughan JP, **Mulcahey MJ**. The WISCI-II in children and Youth with SCI. *Topics in Spinal Cord Injury Rehabilitation*, 2016;22(S-1): 19-20.
63. Krisa L, Saksena S, Middleton D, Sinko R, Conklin C, Gaughan J, **Mulcahey MJ**, Mohamed, F. Diffusion tensor imaging in the pediatric spinal cord. *Topics in Spinal Cord Injury Rehabilitation*, 2016;22(S-1):18-19.
64. Krisa L, **Mulcahey MJ**, Middleton D, Mohamen F, Zeffiro T. Alterations in resting state connectivity following pediatric spinal cord injury. *Topics in Spinal Cord Injury Rehabilitation*, 2016;22(S-1):21-22.
65. Leshner D, Stanton-Berger D, **Mulcahey MJ**. Considerations around selection of outcome instruments in occupational therapy outpatient hand practice. *Amer. Occupational Therapy Association Annual Meeting and Expos*. Chicago, IL. Apr. 7-9, 2016.
66. **Mulcahey MJ**, Slavin MD, Ni P, Vogel LC, Jette A. Participation trajectories in youth with and without spinal cord injury. Presented at the 2015 American Academy of Cerebral Palsy and Developmental Medicine. Austin Texas, October 23-25, 2015.
67. Mahdi Alizadeh, Pallav Shah, Devon M Middleton, Chris J Conklin, Sona Saksena, Scott H Faro, **Mulcahey MJ**, Jürgen Finsterbusch, Mohamed FB. Ghost Artifact Removal Using Texture Analysis in Spinal Cord Diffusion Tensor Images. 23rd International Society for Magnetic Resonance in Medicine Annual Meeting. Toronto, May-June 2015
68. Chris J Conklin, Devon M Middleton, Jürgen Finsterbusch, Mahdi Alizadeh, Scott H Faro, Pallav Shah, Laura Krisa, Rebecca Sinko, Joan Z Delalic, **MJ Mulcahey**, and Mohamed FB. Inner Field of View Diffusion Kurtosis Imaging (DKI) of the Pediatric Spinal Cord. 23rd International Society for Magnetic Resonance in Medicine Annual Meeting. Toronto, May-June 2015
69. **Mulcahey MJ**, Calhoun C, Vogel LC, Kelly E. Development And Initial Validation Of The Spinal Cord Independence Measure-III --Youth (SCIM-III-Youth). 4th ISCoS and ASIA Combine Scientific Meeting. Montreal, May 2015.
70. **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. 4th ISCoS and ASIA Combine Scientific Meeting. Montreal, May 2015.
71. **Mulcahey MJ**, Sinko R, Martin R. Outcomes instruments in spinal cord injury. Presented at the 2015 Annual Meeting of the American Occupational Therapy Association. Nashville, TN. April 2015.
72. Mahdi Alizadeh, Pallav Shah, Devon M Middleton, Chris J Conklin, Sona Saksena, Scott H Faro, **MJ Mulcahey**, Jürgen Finsterbusch, Mohamed FB. Adaptive Neuro-Fuzzy Inference System for Detection of Ghost Artifact Using Statistical Features. Annual meeting of the American Society of Neuroradiology, Chicago, April 2015.
73. Sona Saksena, Devon M Middleton, Laura Krisa, Pallav Shah, Scott H Faro, Rebecca Sinko, **MJ Mulcahey**, John Gaughan, Jürgen Finsterbusch, Mohamed FB. Diffusion Tensor Imaging of the Cervical and Thoracic Pediatric Spinal Cord in Normal Subjects. Annual meeting of the American Society of Neuroradiology, Chicago, April 2015.
74. Shiva Shahrapour, Devon M. Middleton, Winston Liu, Govind Nair, Steven Jacobson, Mahdi Alizadeh, John P. Gaughan, Pallav Shah, Scott H. Faro, Laura Krisa, **MJ Mulcahey**, Mohamed FB. Pediatric Spinal Cord Atrophy Imaging: Quantitative Measures in Normal and Patients with Spinal Cord Injury. Annual meeting of the American Society of Neuroradiology, Chicago, April 2015.
75. Chris J Conklin, Devon M Middleton, Jürgen Finsterbusch, Mahdi Alizadeh, Scott H Faro, Pallav Shah, Laura Krisa, Rebecca Sinko, Joan Z Delalic, **MJ Mulcahey**, and Mohamed FB. Inner Field of View Diffusion Kurtosis Imaging (DKI) of the Pediatric Spinal Cord. Annual meeting of the American Society of Neuroradiology, Chicago, April 2015.
76. **Mulcahey MJ**, Tian F, Jette A, Vogel LC. Linking pediatric and adult spinal cord injury outcome instruments. Presented at the American Academy for Cerebral Palsy and Developmental Medicine 68th Annual Meeting. *Dev Med Child Neurol* 2014; 56:37-38 (Suppl 5).
77. **Mulcahey MJ**. Psychometric evaluation of the spinal cord independence measures-III. Presented at the 2014 ISCoS Annual Scientific Meeting, Maastricht, Netherlands. Sept. 2-4, 2014.
78. **Mulcahey MJ**. Pediatric Spinal Cord Injury Rehabilitation. Presented at the 2014 ISCoS Annual Scientific Meeting, Maastricht, Netherlands. Sept. 2-4, 2014.
79. **Mulcahey MJ**, Leah Bent, Lawrence Vogel. Psychometric evaluation of the spinal cord independence measures-III. Presented at the American Spinal Injury Association Annual Meeting. San Antonio, Texas. May 2014. *Topics in Spinal Cord Rehabilitation*, 2014;20(suppl 1):64, Award Best Poster (Third Place, tie).

80. **Mulcahey** MJ, Tian Feng, Alan Jette. Linking Pediatric and Adult Spinal Cord Injury Measures. Presented at the American Spinal Injury Association Annual Meeting. San Antonio, Texas. May 2014. Topics in Spinal Cord Rehabilitation, 2014;20(suppl 1):59, Award Best Poster (Third Place, tie).
81. **Mulcahey** MJ, Jette A, Kilsa P, Lammertse D, Tulsy D. Innovative Functional Outcomes for Spinal Cord Injury. Presented at the American Spinal Injury Association Annual Meeting. San Antonio, Texas. May 2014
82. **Mulcahey** MJ. Outcomes Instruments for use in Pediatric SCI Rehabilitation. Presented at the American Congress of Rehabilitation Medicine. Orlando, FL. November 2013.
83. **Mulcahey** MJ. Rehabilitation of Children with Spinal Cord Injury. Presented at the American Academy of Developmental Medicine and Child Neurology. Milwaukee, WI. October 2013.
84. Barkat N, **Mulcahey** MJ, Gaughan JP, Shah P, Faro S, Samdani AF. Diagnostic Accuracy of DTI for Pediatric SCI. American Society of Neuroradiology. San Diego, CA, May 18-23, 2013.
85. Barakat N, Covington A, Shah P, Faro S, **Mulcahey** MJ, Mohamed F. Correlation of pediatric spinal cord atrophy measures with DTI metrics. American Society of Neuroradiology. San Diego, CA, May 18-23, 2013.
86. Barakat N, Faro S, Shah P, Gaughan J, **Mulcahey** MJ, Mohamed F. Wallerian degeneration in pediatric spinal cord using diffusion tensor imaging. American Society of Neuroradiology. San Diego, CA, May 18-23, 2013.
87. **Mulcahey** MJ. Neuromuscular Scoliosis in children with SCI. Presented at the 2013 Annual Meeting of the American Spinal Injury Association. Chicago IL, May 11-18, 2013.
88. **Mulcahey** MJ, Bryden A, Scaffold G, McClure I, Marino R. Principals of splinting the upper limb in persons with tetraplegia: A two part instructional course. Presented at the 2013 Annual Meeting of the American Spinal Injury Association. Chicago IL, May 11-18, 2013.
89. **Mulcahey** MJ. Rehabilitation for SCI over the last four decades. Presented at the 2013 Annual Meeting of the American Spinal Injury Association. Chicago IL, May 11-18, 2013.
90. **Mulcahey** MJ, Costner WJ. Computer adaptive testing: A primer for occupational therapists. Presented at the 2013 Annual Meeting of the American Occupational Therapy Association. San Diego, April 25-29, 2013.
91. Barakat N, Covington A, Shah P, Faro S, **Mulcahey** MJ, Mohamed F. Correlation of pediatric spinal cord atrophy measures with DTI metrics. American Physician Scientists Association. Chicago IL, April 25-28 2013.
92. Barkat N, **Mulcahey** MJ, Gaughan JP, Shah P, Faro S, Samdani AF. Diagnostic Accuracy of DTI for Pediatric SCI. International Society for Magnetic Resonance in Medicine. Salt Lake City, Utah. April 20-26, 2013.
93. **Mulcahey** MJ, Mohamed F. Diagnostic accuracy of DTI for pediatric spinal cord injury. 2012.
94. **Mulcahey** MJ. Validity of a computer adaptive test of daily routines for child and parent reported outcomes after spinal cord injury. 2012 Howard H. Steel Conference on Pediatric SCI. Orlando. December 2012. Topics in SCI Rehabilitation 2013;19(1):171.
95. **Mulcahey** MJ. Age at injury is not is not the only predictor of scoliosis in children with SCI. 2012 Howard H. Steel Conference on Pediatric SCI. Orlando. December 2012.
96. **Mulcahey** MJ. Training in the international standards for neurological classification of SCI- Current methods and considerations when applied to children. 2012 Howard H. Steel Conference on Pediatric SCI. Orlando. December 2012.
97. **Mulcahey** MJ. Management of the upper limb in children with tetraplegia. International Society Spinal Cord Injury. London. Sept. 2012.
98. **Mulcahey** MJ, Mohamed F, Gaughan JP, Baraket N, Samdani A. The diagnostic accuracy of diffusion tensor imaging for spinal cord injury: preliminary analysis of sensitivity and specificity. Topics in Spinal Cord Injury Rehab, 18(supplement 1);202:2012.
99. Russell H., Smith TF, Kelly E, **Mulcahey** MJ, Betz RR, Vogel L. An analysis of the Kidcope in pediatric SCI. Topics in Spinal Cord Injury Rehab, 18(supplement 1);252:2012.
100. Calhoun C & **Mulcahey** MJ. Pilot study of the evaluation of the validity and reliability of the walking index for SCI II in young children with SCI. Topics in Spinal Cord Injury Rehab, 18(supplement 1);227:2012.
101. **Mulcahey** MJ, Calhoun CC, Tian F, Vogel L, Haley SM. Validity of the newly developed computer

- adaptive tests of mobility, activity and participation. Topics in Spinal Cord Injury Rehab, 18(supplement 1);227:2012.
102. **Mulcahey**, MJ. Validity of item Banks of Daily Routines and Participation for youth with SCI. Presented at the 2011 Joint Meeting of the American Spinal Injury Association and International Society of Spinal Cord Injury. Washington, DC, June 2011.
 103. Russell H, **Mulcahey** MJ, Betz RR, Kelly E, Gorzkowski J, Vogel L. Relationship between coping and psychological outcomes in youth with SCI. J Spinal Cord med,33(2);180:2010.
 104. Chafetz R & **Mulcahey** MJ. Predicting planned and unplanned mobility in children with SCI. J Spinal Cord medicine,33(2),181:2010.
 105. **Mulcahey**, MJ. Evaluation of the ISNCSCI in children and youth. J Spinal Cord med,33(2);181:2010.
 106. **Mulcahey** MJ. Evaluation of item banks to evaluate activity and participation in children and youth with SCI. J Spinal Cord Med,33(2);181:2010.
 Mulcahey MJ. RP 107. Research Paper - Development Of Computer Adaptive Testing Platforms Of Activity Performance and Participation For Children With Spinal Cord Injury And Caregivers. Presented at the 2010 Meeting of the American Occupational Therapy Association. Orlando, FL., Apr 29 2010 2:30PM - 3:30PM.
 107. **Mulcahey** MJ, Vogel Lawrence, Samdani Amer, Betz RR, Gaughan John. International Standards for Neurological Classification of SCI: Inter-Rater Agreement and Guidelines for Use with Children and Youths. The Journal of Spinal Cord Medicine, 32(4) 491, 2009.
 108. Haley St, **Mulcahey** MJ, Calhoun Christina, Vogel Lawrence, Bent Leah, James Michelle, Kawada Jason. Self-reported Daily Functioning in Children and Youth with SCI. The Journal of Spinal Cord Medicine, 32(4) 492, 2009
 109. **Mulcahey** MJ, Haley Stephen, Calhoun Christina, Vogel Larry, Bent Leah, James Michelle, Kawada Jason. Comparison of Child-and Parent-Reported Activity Performance and Participation in Children and Youths with SCI. The Journal of Spinal Cord Medicine, 32(4) 490, 2009.
 110. Albright Whitney, **Mulcahey** MJ, Kern Stephen, Marino Ralph. Development of an Objective Test of Upper Limb Function in Tetraplegia: the Capabilities of Upper Extremity Test (CUE-T). The Journal of Spinal Cord Medicine, 32(4) 487, 2009.
 111. Hunter Louis, Samdani Amer, Betz RR, Vogel Lawrence, Chafetz Ross, Gaughan John, **Mulcahey** MJ. Neuromuscular Scoliosis in Children with SCI as a Function of Age, Time Since Injury, Neurological Level, Motor Level, and Injury Severity. The Journal of Spinal Cord Medicine, 32(4) 479, 2009.
 112. Rutter Laure, Samdani Amer, **Mulcahey** MJ, Betz RR. Vision Loss Following Spine Surgery in SCI. The Journal of Spinal Cord Medicine, 32(4) 476, 2009.
 113. Vogel LC, **Mulcahey** MJ. Within Rater Agreement of Repeated Anal-Rectal Exams and Severity of Classification in Children and Youth with Spinal Cord injury. Presentation at the Annual American Spinal Injury Association, San Diego, CA June 2008. J Spinal Cord Med,31(2);238,2008.
 114. **Mulcahey**, MJ, Samdani A, Betz R. Does MRI Correlate with International Standards for Neurological Classification of Spinal Cord Injury Motor or Sensory Scores in Children with Chronic Spinal Cord Injury? Presented at the Annual American Spinal Injury Association Meeting, San Diego, CA, June 2008. J Spinal Cord Med,31(2);239,2008.
 115. **Mulcahey** MJ, Gaughan J. Testing a Limited Number of Dermatomes as a Predictor of the 56-Dermatome Score. Presented at the Annual American Spinal Injury Association Meeting, San Diego, CA, June 2008.
 116. **Mulcahey** MJ, Haley SM, Calhoun CC. Computer Adaptive Testing: Development of 21st Century Measurement Systems to Evaluate Activity Performance and Participation in Persons with Spinal Cord Injury. Presented at the Annual American Spinal Injury Association Meeting, San Diego, CA, June 2008. J Spinal Cord Med,31(2);249,2008.
 117. Chafetz R, **Mulcahey** MJ, Betz RR, Vogel LC, Schottler J. Patient knowledge and understanding of severity of injury as Defined by the ASIA exam. Tampa, FL: Presented at the Annual American Spinal Injury Association Meeting, San Diego, CA, June 2008. J Spinal Cord Med,31(2);251,2008.
 118. Chafetz R, **Mulcahey** MJ. Within Rater Agreement of Repeated Total Scores for Light Touch, Pin Prick, and Motor Testing in Children and Youths with SCI. Accepted for presentation at the Annual Meeting of the American Paraplegia Society Orlando, FL, August 2008. J Spinal Cord

- Med,31(2);236,2008.
119. Chafetz R, **Mulcahey** MJ. Within Rater Agreement of Repeated Total Scores for Light Touch, Pin Prick, and Motor Testing in Children and Youths with SCI. Accepted for presentation at the Annual Meeting of the American Paraplegia Society Orlando, FL, August, 2008.
 120. **Mulcahey** MJ, Haley SM, Calhoun CC. Computer Adaptive Testing: Development of 21st Century Measurement Systems to Evaluate Activity Performance and Participation in Persons with Spinal Cord Injury. Accepted for presentation at the Annual Meeting of the American Paraplegia Society Orlando, FL, August, 2008.
 121. Johnston T, Lauer R, Oladeji O, Smith B, **Mulcahey** MJ, Betz RR. Cardiovascular and respiratory effects of cycling and electrical stimulation in pediatric SCI. *J Spinal Cord Medicine*, 30(1), S192; 2007.
 122. **Mulcahey** MJ, Hutchinson D, Smith BT, Betz RR, Kozin, S, Weiss A. Multi-site outcomes of functional electrical stimulation: Implications for future systems to restore upper limb function. *J Spinal Cord Medicine*, 30(1), S192, 2007.
 123. Chafetz R, **Mulcahey** MJ, McDonald C, Betz RR, Vogel L, Anderson C, O'Dell M. Flanagan A. A pilot study evaluating the difference between level of independence and typical performance at home of ADLS in the pediatric SCI population. *J Spinal Cord Medicine*, 30(1), S194. 2007
 124. Chafetz, R, **Mulcahey**, MJ, Betz R, Vogel L, Schottler L. Patient knowledge and understanding of severity of injury as defined by the ASIA exam. Presented at the Annual American Spinal Injury Association Meeting, May 29-June 2, 2007, Tampa FL. *J Spinal Cord Medicine*, 2007.
 125. Chafetz R, **Mulcahey** MJ. Patterns of Upright mobility in 113 Children with SCI as a Function of Neurological Classification. Presented at the Annual meeting of the American Paraplegia Society, August 18-23, 2007, Orlando, FL. *J Spinal Cord Medicine*, 2007
 126. Chafetz, R, **Mulcahey**, MJ, Betz, RR, Vogel L. Child/Caregiver Knowledge of Autonomic Dysreflexia in Children with SCI. Presented at the Annual Meeting of the American Paraplegia Society, August 18-23, 2007, Orlando, FL. *J Spinal Cord Medicine*, 2007.
 127. Fayssoux RS, **Mulcahey** MJ, JAsghar J, Samdani A, McCarthy J, Betz R. Chronic Spinal Cord Injury (SCI) in the Pediatric Population: Does MRI Correlate with International Standards for Neurological Classification of Spinal Cord Injury (ISCS) Scores? Presented at the Annual IMAST Meeting, July 2007, Bahamas.
 128. **Mulcahey** MJ, Gaughan J. Agreement of Repeated ISCS) Motor and Sensory Scores at Individual Myotomes and Dermatomes. Presented at the Annual American Spinal Injury Association Meeting, May 29-June 2, 2007, Tampa FL. *J Spinal Cord Medicine*, 2007.
 129. **Mulcahey** MJ, Gaughan J. Testing a Limited Number of Dermatomes (ASIAQUICK) as a Predictor of the 56-Dermatome Score. Presented at the Annual meeting of the American Paraplegia Society, August 18-23, 2007, Orlando, FL. *J Spinal Cord Medicine*, 2007.
 130. White S, Hutchinson D., **Mulcahey** MJ, Chafetz R. Relationship between somatosensory evoked potentials and the International Standards for Neurological Classification of Spinal Cord Injury. Presented at the Annual Meeting of the American Paraplegia Society, August 18-23, 2007, Orlando, FL. *J Spinal Cord Medicine*, 2007.
 131. Mendoza M, Hunter L, Sison, M, Bagley A, **Mulcahey** MJ, Betz R, Vogel, L, Anderson C, McDonald C. Validity of the Thoracic Lumbar Sacral Orthosis Compliance Monitors in Children with SCI. *The Journal Spinal Cord Med*, 29(3), 306 2006.
 132. Duffy T., **Mulcahey** MJ. SCI in Children Secondary to Trampoline Accidents. *J Spinal Cord Med*, 29(3), 315. 2006
 133. Merenda L, Duffy T, Pontari M, Betz R, **Mulcahey** MJ. Long term outcomes of urinary diversion in children with SCI. *J Spinal Cord Med.*, 29(3),316, 2006.
 134. **Mulcahey** MJ, Kozin S, Duffy T, Betz R. Strength outcomes of the biceps to triceps transfer for elbow extension in tetraplegia. *JSCM*, 29(4), 453. 2006
 135. **Mulcahey** MJ, Lauer R, Johnson T, Gaughan J, Smith BT, Betz R. Comparison of quality of life between children with SCI and their guardians. *JSCM*, 29(4), 453.2006
 136. Mulcahey MJ. Spinal Cord Injury Rehabilitation in the 21 Century. Presented at the First Mayo Clinic Spine Course. Kauai, Hawaii, January 2005.
 137. Mehta S, Betz R, Mulcahey MJ, McDonald C, Vogel L, Anderson C. Effect of bracing on paralytic scoliosis secondary to spinal cord injury. *J Spinal Cord Med*, 28(4),354, 2005.

138. **Mulcahey** MJ. Preliminary reliability of the ASIA Motor and Sensory Examination in Children. *J Spinal Cord Med.*, 28(4), 354, 2005.
139. Hunter L, **Mulcahey** MJ, Eichhorn J, Gaughan J. Reliability/validity of the TLSO compliance Monitors in Children with SCI. *J Spinal Cord Med*, 28(4), 364, 2005.
140. Hutchinson D, Kozin S, **Mulcahey** MJ, Duffy T, Wannstedt G, Mayer N. EMG evaluation of the biceps following biceps to triceps transfer in adolescents with SCI. *J Spinal Cord Med*, 28(2),139, 2005.
141. **Mulcahey** MJ, Gaughan J. Preliminary repeatability of the ASIA motor and sensory examination in children and youth. *J Spinal Cord Med*, 28(2),160, 2005.
142. **Mulcahey** MJ, Eichhorn J, McDonald C, Betz R, Vogel L., Anderson C. Feasibility of brace monitors to evaluate compliance with thoracic-lumbar-sacral orthoses prescription. *J Spinal Cord Med*, 28(2), 162, 2005.
143. **Mulcahey** MJ, Betz RR. State of the Art Management of Spinal Cord Injury. Keynote Address presented at The Annual Meeting of Childrens Orthotics and Prosthetics, Orlando, FL. Oct., 2005.
144. Flynn JM, Vilella FE, **Mulcahey** MJ, Ramirez N, Cornier SA. The Natural History of Classical Arthrogyposis. Presented at the 24th European Paediatric Orthopaedic Society Meeting in Palma de Mallorca, Spain, April 2005.
145. Duffy T, **Mulcahey** MJ. Activities of children with spinal cord injury using the Canadian occupational therapy performance measure. *J Spinal Cord Med.*, 27(1), S-114, 2004.
146. **Mulcahey** MJ, Lutz C, Kozin S, Betz R. Comparison between the biceps and triceps for elbow extension in tetraplegia. *J Spinal Cord Med*, 27(1), S116, 2004.
147. **Mulcahey** MJ, Betz RR, Kozin S, Smith B, Lutz C, Hutchinson D. Minimal invasive implantation of Freehand during initial rehabilitation. *J Spinal Cord Med.*, 27(1), S118, 2004.
148. Johnston, T., Benda B, Smith B, Betz R, **Mulcahey** MJ, Barriskill A, Davis R. Initial experiences with the Praxis multi-functional electrical stimulation system. *J Spinal Cord Med.*, 27(1), S118. 2004.
149. Guille J, Betz RR, Balsara R, **Mulcahey** MJ, D'Andrea L, Clements D. The feasibility, safety, and utility of vertebral wedge osteotomies for the fusionless treatment of paralytic scoliosis. *J Spinal Cord Med.*, 27(1), S118, ,2004.
150. Marino R., **Mulcahey** MJ. Use of the capabilities of upper extremity instrument to evaluate outcomes after upper extremity reconstruction in tetraplegia. *J Spinal Cord Med.*, 27(1), S124, 2004.
151. Chafetz R, **Mulcahey** MJ, Betz RR. The relationship between upper extremity reconstruction and ambulation in a child with tetraplegia. *J Spinal Cord Med.*, 27(1), S126, 2004.
152. Chafetz R., **Mulcahey** MJ, McDonald C, Betz R, Anderson C, Betz RR. A pilot study evaluating the difference between level of independence and typical performance at home of ADL in the pediatric population with SCI. *J Spinal Cord Med.*, 27(1), S126, 2004.
153. Hutchinson D, **Mulcahey** MJ, Betz RR, Kozin S., Smith, B. Hetrotopic nerve transfer for adolescents with tetraplegia resulting in lower motor neuron impairment. *J Spinal Cord Med.*, 27(1), S124, 2004.
154. Mehta S, Betz RR, **Mulcahey** MJ, Craig M, Vogel L, Anderson C, D'Andrea L, Antonacci D. The Effect of Bracing on Paralytic Scoliosis Secondary to Spinal Cord Injury. Presented at the 39 Annual Scoliosis Research Society Meeting in Buenos Aires, Argentina, September 2004.
155. Cheung E, Guille J, Betz RR, **Mulcahey** MJ, D'Andrea L, Cerrone J, Campbell R, Johnston C, Lubicky J, Segal L, The Natural History and Results of Surgical Treatment of Patients with Fused Ribs and Congenital Scoliosis. Presented at the 39 Annual Scoliosis Research Society Meeting in Buenos Aires, Argentina, September 2004.
156. Johnston TE, Smith BT, Betz RR, **Mulcahey** MJ, Implanted Functional Electrical Stimulation for Upright Mobility in Pediatric Spinal Cord Injury: A Follow-up Report. Presented at 9 Annual Conference of the International FES Society in Bournemouth, UK, September 2004.
157. Cheung, Emilie, Betz RR, **Mulcahey** MJ, D'Andrea Linda, Guille JT, Cerrone, Janet, Campbell, RM.The Natural History and Results of Surgical Treatment of Patients with Fused Ribs and Congenital Scoliosis, presented at the AAOS Conference, April 2003.
158. Smith BT, Betz RR, Johnston TE, **Mulcahey** MJ. Implantable FES System for Upright Mobility in the Growing Child with a Spinal Cord Injury. Presented at the AACPD Conference New Orleans, September 2002.
159. Johnston TE, Smith BT, Betz RR, **Mulcahey** MJ. Stability of an Implanted Functional Electrical Stimulation System for Upright Mobility. To be presented at the APS Conference, Las Vegas

September 2002.

160. Betz RR, Smith BT, Benda BJ, Johnston TE, **Mulcahey** MJ, Middleton J, Davis G, Davis R, Cousins R, Barriskill A: Clinical Trial of the Praxis Multi-functional Implantable FES System for Paraplegia. Presented at the Seventh Annual Conference of the International Functional Electrical Stimulation Society (IFESS), Ljubljana, Slovenia, June 2002.
161. Johnston TE, Smith BT, Betz RR, **Mulcahey** MJ, McCarthy JJ: Implanted Functional Electrical Stimulation for Upright Mobility in Pediatric Spinal Cord Injury: A Follow-up Report". Published in: Proceedings of the 28th Annual Northeast Bioengineering Conference, pp. 13-14, Philadelphia, PA, April 2002.
162. Johnston TE, Betz RR, Smith BT, **Mulcahey** MJ: Implanted Functional Electrical Stimulation: An Alternative for Upright Mobility In Pediatric Spinal Cord Injury. Presented at the APTA's Combined Sections Meeting, Boston MA, February 2002
163. Betz RR, Johnston TE; **Mulcahey** MJ; Smith BT: Implanted Functional Electrical Stimulation: An Alternative for Standing and Walking in Pediatric Spinal Cord Injury. Presented at the AOA-COA
164. Smith BT, Betz RR, **Mulcahey** MJ. Implantable FES System for Upper or Lower Limb Function in the Growing Child with a Spinal Cord Injury. Accepted for presentation at the annual conference of the International FES Society, Cleveland, OH, 2001.
165. Johnston TE, Betz RR, Smith BT, **Mulcahey** MJ. An Implantable Functional Electrical Stimulation System for Upright Mobility in Children and Adolescents with Spinal Cord Injury. Accepted for presentation at the annual conference of the International FES Society, Cleveland, OH, 2001.
166. Betz RR, Johnston TE, Smith BT, **Mulcahey** MJ, McCarthy JJ. Percutaneous Implantable Functional Electrical Stimulation for Upright Mobility in Children with Spinal Cord Injury: Description of Surgical Technique. Accepted for presentation at the annual conference of the International FES Society, Cleveland, OH, 2001.
167. Smith BT, Betz RR, **Mulcahey** MJ. Implantable FES System for Upper or Lower Limb Function in the Growing Child with a Spinal Cord Injury. Accepted for presentation at the annual conference of the American Academy of for Cerebral Palsy and Developmental Medicine, Long Beach, CA, 2001.
168. Hutchinson D, **Mulcahey** MJ, Betz RR, Kozin SH. Freehand System® Implantation Following the Moberg Procedure in a Patient with C5 Spinal Cord Injury: A Case Study. Submitted for presentation at the annual conference of the American Paraplegia Society, September 2001.
169. **Mulcahey** MJ. Overall Assessment of the Patient with Tetraplegia. Accepted for presentation at the 7th International Conference on Tetraplegia: Surgery and Rehabilitation, Bologna, Italy, June 2001.
170. **Mulcahey** MJ, Betz RR, Hutchinson D, Smith BT, Kozin S. Users' Satisfaction with the Freehand System® for Self-Selected Activities. Accepted for presentation at the 7th International Conference on Tetraplegia: Surgery and Rehabilitation, Bologna, Italy, June 2001.
Smith BT, Mulcahey MJ, Betz RR. An Implantable Upper Extremity Neuroprosthesis in a Growing Child with a C5 Spinal Cord Injury. Submitted for presentation at the 7th International Conference on Tetraplegia, Bologna, Italy, June 2001.
171. Betz RR, Johnston T, **Mulcahey** MJ, Smith BT. Implantable FES for Upright Mobility in Children and Adolescents. Accepted for oral presentation the annual conference of the Pediatric Orthopaedic Society of North America, Cancun, Mexico, May 2001.
172. **Mulcahey** MJ, Betz RR. The Satisfaction with Totally Implanted FES for Upright Mobility in Children and Adolescents. Accepted for poster presentation at the annual conference of the American Academy of Orthopaedic Surgeons, San Francisco, CA, March 2001.
173. Smith BT, **Mulcahey** MJ, Betz RR. Implantation of an Upper Extremity Neuroprosthesis in Growing Children with a C5 Level Spinal Injury. Accepted for presentation at the HH Steel Conference on Spinal Cord Injury: Contemporary Principals and New Directions, Rancho Mirage, California, December 1999. Topics in Spinal Cord Injury Rehabilitation. 6(suppl):225, 2000.
174. Akers JM, Smith BT, Betz RR, **Mulcahey** MJ. Implantable Functional Electrical Stimulation (FES) Technology in Growing Animals. HH Steel Conference on Spinal Cord Injury: Contemporary Principals and New Directions, Rancho Mirage, California, December 1999. Topics in Spinal Cord Injury Rehabilitation. 6(suppl):251, 2000.
175. **Mulcahey** MJ, Merenda L, Betz RR, Morales V. Application of the Vocare® System in a Youngster with Traumatic Spinal Cord Injury. Accepted for presentation at the annual conference of the American Paraplegia Society, September 2000.

176. **Mulcahey** MJ, Betz RR, Kozin S. Upper Extremity Reconstruction in Children. New Technologies: Is the Child a Candidate? Accepted for presentation at the annual conference of the American Paraplegia Society, September 2000.
177. **Mulcahey** MJ. Satisfaction of FES. Accepted for presentation at the 5th Scientific Congress, Paralympic Games, Sydney, Australia, October 2000.
178. Finson R, McCarthy J, Smith BT, Betz RR, **Mulcahey** MJ. Effects of Intramuscular Electrical Stimulation of Joint Excursions During Gait in Children with Cerebral Palsy Requiring Surgical Lengthenings. Accepted for the annual conference of the American Academy of Cerebral Palsy and Developmental Medicine, October 2000.
179. **Mulcahey** MJ, Betz RR, Smith BT, Davis SE, Johnston T. The Satisfaction with Totally Implanted FES on Client-Directed Outcomes. *J Spinal Cord Med*, 22(1):37 Spring 1999
180. Davis SE, **Mulcahey** MJ, Smith BT, Betz RR, Weiss AA, Kozin SH. Evaluation of the Freehand System on a Child's Hand Function and ADL Performance. *J Spinal Cord*. 22(1):22 Spring 1999
181. Johnston, TE, Betz, RR, **Mulcahey** MJ. Totally Implantable FES for Upright Mobility in an Adolescent with Paraplegia. *Ped Phy Ther*. 10(4), Winter 1998.
182. Johnston TE, **Mulcahey** MJ, Betz RR, Weiss AA. Upper Extremity Tendon Transfers in Children with Cervical Spinal Cord Injury. *Ped Phy Ther*. 10(4), Winter 1998.
183. **Mulcahey**, MJ, Smith BT, Betz, RR, Weiss AA. Prospective Evaluation of Tendon Transfers in Children. *J Spinal Cord Med*. 21(2):180, 1998.
184. Bonaroti D, Finson R, **Mulcahey** MJ, Betz RR. The Application of Functional Electrical Stimulation for Gait Augmentation in Adolescents with Incomplete Tetraplegia. *J. Spinal Cord Med*. 21(2):180, 1998
185. Ruggiero RA, **Mulcahey** MJ, Betz RR. The Functional Outcome of Spinal Fusion for Paralytic Scoliosis Following SCI in the Pediatric Patient. *J Spinal Cord Med*. 21(2):193, 1998.
186. **Mulcahey** MJ, Betz RR, Smith BT, Vogel LC, James MA, Cooperman M, Burns L. A Multi- Center Evaluation of the Freehand System in Adolescents with Tetraplegia. *J Spinal Cord Med*. 21(2):173, 1998.
187. Smith BT, **Mulcahey** MJ, Davis SE, Betz RR. Tendon Transfers to Provide Brace-Free Wrist Stability During FES Hand Grasp. *J. Spinal Cord Med*. 21(2):189, 1998.
188. A.A. Weiss, Betz RR, **Mulcahey** MJ, Keith MW. Reconstruction of High Tetraplegia Hand Activity with Functional Electrical Stimulation: Introduction to Emerging Neuroprosthetic Technology. Presented at American Association of Hand Surgery, Boca Raton, FL, January, 1997.
189. Bonaroti D, Betz RR, **Mulcahey** MJ, Akers J. The Functional Comparison of FES and KAFOs in an Ambulatory Child with Complete Paraplegia. *Phy Ther* 77(5):S-67, 1997.
190. **Mulcahey** MJ, Smith BT, Betz RR. Evaluation of Lower Motor Neuron Integrity of the Upper Extremity in High Tetraplegia. *J Spinal Cord Med*. 20(4):483, 1997.
191. Davis SE, **Mulcahey** MJ, Betz RR. Home Use of an Implanted Upper Extremity Functional Electrical Stimulation System by Five Adolescents with Tetraplegia. *J Spinal Cord Med*. 20(1) 166, 1997.
192. **Mulcahey** MJ, Betz RR, Smith BT, Weiss AA, Bonaroti D. The Freehand System: Results of an Implantable FES System in Adolescents with Tetraplegia. *J Spinal Cord Medicine*. 19(4):301, 1996.
193. **Mulcahey** MJ, Betz RR, Mullin C, Bonaroti D. The Comparison of FES to Orthoses for Upright Mobility in Children with Spinal Cord Injury. *J Spinal Cord Medicine*. 19(4):27, 1996.
194. **Mulcahey** MJ, Betz RR, Mullin C, Moynahan M, Smith BT. The Comparison of FES to Orthoses for Upright Mobility in Children and Adolescents with Spinal Cord Injury. *Proceedings of the RESNA Conference*, p. 268-270, 1996.
195. Smith BT, Igantowski M, McGee B, Douglas J, **Mulcahey** MJ, Betz RR. A Portable 24 Channel Functional Electrical Stimulation System for Upper and Lower Extremity Applications. *Proceedings of the RESNA Conference*, p. 276-278, 1996.
196. Lyons RP, **Mulcahey** MJ, Betz RR, Spoltore T, Weiss AA. Assessment of Functional Outcomes of the Deltoid to Triceps Transfer: The Value of EMG and Strength-Duration (S-D) Testing. *J Spinal Cord Medicine*. 19(2): 144, 1996.
197. Betz RR, **Mulcahey** MJ, S. Harding S, Weiss AA. Split FPL Tendon Transfer: A Comparison with Arthrodesis for Stabilization of the Thumb IP Joint in Adolescents with Tetraplegia. *Journal of Spinal Cord Medicine*. 19(2), 1996.

198. Betz RR, **Mulcahey** MJ, R.P. Lyons, Weiss AA. Assessment of Functional Outcomes of Deltoid to Triceps. *Journal of Spinal Cord Injury Medicine*. 19(2), 1996.
199. **Mulcahey** MJ, Smith BT, Betz RR, Weiss AA. The Outcomes of Tendon Transfers for Active Hand Function in Children with Tetraplegia. *Journal of Spinal Cord Medicine*. 19(2), 1996.
200. Smith BT, **Mulcahey** MJ, Betz RR. Development of an FES System for C4 Tetraplegia. Accepted for the RESNA Conference, Vancouver, BC, 1995.
201. Betz RR, Weiss AA, Keith MW, **Mulcahey** MJ, Peckham PH. Surgical Aspects of a Functional Electrical Stimulation Total Implant System to Augment Function in Patients with Tetraplegia. Accepted for presentation at the Conference of the American Paraplegia Society, Las Vegas, NV, 1995.
202. **Mulcahey** MJ, Betz RR, Smith BT, Weiss AA. Results of the Functional Electrical Stimulation Hand Grasp System in Adolescents with Tetraplegia. Submitted to the Conference of the American Paraplegia Society, Las Vegas, NV, 1995.
203. **Mulcahey** MJ, Smith BT, Betz RR, Weiss AA. Tendon Transfers for Active Hand Function in Children with Tetraplegia Secondary to Spinal Cord Injury. Submitted to the Conference of the American Paraplegia Society, Las Vegas, NV, 1995.
204. **Mulcahey** MJ, Betz RR, Smith BT, Weiss AA. Functional Neuromuscular Stimulation Using a Totally Implanted Stimulator and Implanted Electrodes in Tetraplegia. *Journal of Spinal Cord Medicine*, 1995.
205. **Mulcahey** MJ, Betz RR, Smith BT, Peckham PH. An Upper Extremity Neuroprosthesis Using a Totally Implanted Stimulator and Implanted Electrodes: Evaluation Process and Candidate Selection. *Journal of Spinal Cord Medicine*, 1995.
206. Smith BT, **Mulcahey** MJ, Betz RR. Functional Neuromuscular Stimulation for Upper Extremity Function in C4 Tetraplegia. *Orthopedic Transactions*, In Press, 1995.
207. **Mulcahey** MJ, R.R Betz. The Activities of Adolescents with Spinal Cord Injuries: Results of the Adolescent Role Assessment. *Journal of the American Paraplegia Society*. 17(4), 224, 1994.
208. **Mulcahey** MJ, Smith BT, Betz RR. Spinal Cord Injury In Children: The Impact on Parents' Routines of Work, Leisure and Rest. *Journal of American Paraplegia Society*. 17(2), 102. 1994.
209. Betz RR, DeMoura A, **Mulcahey** MJ. The Effects of Triceps Stimulation on Pinch Strength in Tetraplegia. *Journal of American Paraplegia Society*. 17(4), 224, 1994.
210. **Mulcahey** MJ, Betz RR, Smith BT, K. Kilgore. Peckham PH. An Upper Extremity Neuroprosthesis Using a Totally Implanted Stimulation System and Implanted Electrodes: Evaluation Process and Candidate Selection. *Journal of American Paraplegia Society*. 17(4), 226, 1994.
211. Smith BT, **Mulcahey** MJ. Quantitative Comparison of Hand Function with and without Functional Neuromuscular Stimulation in C5 Tetraplegia. *Journal of American Paraplegia Society*. 17(2), 115, 1994.
212. **Mulcahey** MJ, Smith BT, Triolo RJ, Betz RR. Functional Neuromuscular Stimulation: Outcomes in Young People with SCI. *Journal of American Paraplegia Society*. 16(4), 277, 1993.
213. Triolo RJ, Betz RR, **Mulcahey** MJ, Gardner ER. Characteristics of the Pediatric SCI Population Relative to the Application of FNS. *Journal of the American Paraplegia Society*. 16(2), 142, 1993.
214. **Mulcahey** MJ, Weiss AA, Smith BT, Betz RR, Triolo RJ, Keith MW. FNS and Surgical Reconstruction in Long Term Tetraplegia. *Journal of American Paraplegia Society*. 16(2), 133, 1993.
215. **Mulcahey** MJ, Smith BT, Triolo RJ, Betz RR. FNS: Outcomes in Young People with Tetraplegia. *Journal American Paraplegia Society*. 16(2), 100, 1993.
216. **Mulcahey** MJ, Betz RR, Smith BT, Triolo RJ, Weiss AA, Keith MW, Peckham PH. Bipolar Latissimus Dorsi Transposition and Functional Neuromuscular Stimulation to Restore Elbow Flexion In an Individual with C4 Tetraplegia and C5 Denervation. *Journal of the American Paraplegia Society*. 15(2), 76, 1992.
217. **Mulcahey** MJ. Returning to School After a Spinal Cord Injury: Perspectives From Four Adolescents. *Journal of American Paraplegia Society*. 15(2), 79, 1992.
218. Smith BT, **Mulcahey** MJ, Triolo RJ, Betz RR. Pilot Study: Application of Intramuscular Stimulation to the Upper Extremity Musculature in a Child with Spastic Quadriplegia, Cerebral Palsy. *Proceedings of the 13th Annual IEEE Engineering in Medicine and Biology Society*. 13(4), 1814- 1816, 1991.
219. **Mulcahey** MJ, Smith BT, Troilo RJ, Betz RR. Restoration of Hand Function in the C7 Spinal Cord Injured Child. *Journal of the American Paraplegia Society*. 14(2), 101-102, 1991.
220. Smith BT, **Mulcahey** MJ, Triolo RJ, Betz RR. Training Tools for a Neuroprosthetic Hand System.

- Proceedings of the RESNA 14th Annual Conference. 394-396, 1991.
221. Triolo RJ, Reilly B, **Mulcahey MJ**, Betz RR, Cohn J. Development and Standardization of an Evaluation for Standing Function in Children with Spinal Cord Injuries. Proceedings of the 13th Annual Conference of IEEE Engineering in Medicine and Biology Society. 1999-2001, 1991.
222. Triolo RJ, Reilly B, **Mulcahey MJ**, Betz RR, Cohn J. Development and Standardization of an Evaluation for Standing Function in Children with Spinal Cord Injuries. Proceedings of the 13th Annual Conference of IEEE Engineering in Medicine and Biology Society. 14(2), 101, 1991.

PUBLICATIONS, NON-PEER REVIEWED

BOOK CHAPTERS (descending order: most recent to oldest)

1. Bell A & **Mulcahey MJ**. Chapter 3. Spinal Cord Injury. In: Dunn W, Wolf T, Nilson D, Richards L. (eds). Neuroscience in Everyday Life. Slack. In Press.
2. Jones LA, Field-Fote E., Bolliger M, **Mulcahey MJ**. Outcome Assessment. In: Kirshblum S, (editor). Spinal Cord Medicine. Philadelphia: Lippincott, Williams and Wilkins, In Press.
3. Zebracki K, Vogel L, Betz R, **Mulcahey MJ**. Pediatric Spinal Cord Injury. In: Kirshblum S (editor). Spinal Cord Medicine. Philadelphia: Lippincott, Williams and Wilkins, In Press
4. **Mulcahey MJ**, Russo S, Kozin SK. Outcome measures. In: JM Abzug, SH Kozin, and DA Zlotolow (eds) The Pediatric Upper Extremity. New York, NY: Springer; In press.
5. Grampurohit, N & **Mulcahey MJ**. Chapter 9: Psychometric Properties. In: Kramer, P. and Grampurohit, N. (editors). Hinojosa and Kramer's Evaluation in Occupational Therapy. Bethesda, MD: AOTA Press. 2020. ISBN#: 9781569005958
6. Grampurohit, N & **Mulcahey MJ**. Chapter 10: Scoring and Interpretation. In: Kramer, P., and Grampurohit, N.(editors). Hinojosa and Kramer's Evaluation in Occupational Therapy. Bethesda, MD: AOTA Press. 2020. ISBN#: 9781569005958.
7. Grampurohit N & **Mulcahey MJ**. Outcome Measures. In: Abzug JM, Kozin SK, Neiduski R (editors). Pediatric Hand Therapy. Elsevier:Philadelphia. 2020. Chapter 4, p. 31-56.
8. Vogel LC, Betz RR, **Mulcahey MJ**, Zebracki K. Spinal Cord Injuries and Disorders in Children and Adolescents. In: Kirshblum S, & Lin VW (editors). Spinal Cord Medicine. Springer Publishing: New York. 2019. Chapter 56, p 926-954.
9. **Mulcahey MJ**, Talero-Cabrejo P, Kern S, Horley A, Koch M, Rude A. (2016) Occupational Therapy. In: Harvinder Singh Chhabra (editor). ISCoS Textbook on Comprehensive Management of Spinal Cord Injury. Wolters Kluwer:New Delhi, Chapter 35, pg 538-557.
10. **Mulcahey MJ**, Betz RR, Bryden A, Calhoun C, LaVelle W, Schmidt-Read M, Stiefbold G. (2016) Orthotics. In: In: Harvinder Singh Chhabra (editor). ISCoS Textbook on Comprehensive Management of Spinal Cord Injury. .Wolters Kluwer:New Delhi, Chapter 36, pp. 558-579.
11. **Mulcahey MJ** & Kozin S. (2014). Outcomes Instruments. In: Abzug JM, Kozin SH, Zlotlow D (editors). The Pediatric Upper Extremity. Spinger Science+Business Media: New York. DOI:10.1007/978-1-4614-8758-6_4-1. pp.1-22.
12. Vogel L, Zebracki K, **Mulcahey MJ**. Special Considerations for Rehabilitation of Pediatric SCI. In: Harvinder Singh Chhabra (editor). ISCoS Textbook on Comprehensive Management of Spinal Cord Injury. .Wolters Kluwer:New Delhi, Chapter 63, pp. 941-955.
13. **Mulcahey MJ** & Fin Sorensen. (2014). Assessment of Children with Spinal Cord Injury. In: Vogel, Zebracki, Betz RR and Mulcahey MJ (editors). The Child With SCI, 2nd edition. McKeith Press: London. ISBN:978-1-909962-34-7.
14. **Mulcahey MJ**, Zlotlow D, Kozin S. (2014). Upper Extremity Management. In: Vogel, Zebracki, Betz RR and Mulcahey MJ (editors). The Child With SCI, 2nd edition. McKeith Press London. ISBN:978-1-909962-34-7.
15. Vogel, L.C., Betz, R.R., **Mulcahey, M.J**. (2012) Spinal Cord Injuries in Children and Adolescents. In J. Verhaagen, J. McDonald. (Editors.). Handbook of Clinical Neurology. Elsevier pp138-148.
16. Vogel, L.C., Betz, R.R., Mulcahey, M.J. (2011). Pediatric Spinal Cord Disorders. In S. Kirshblum, D.I. Campagnolo, (Editors.). Spinal Cord Medicine. Second Edition. Wolters Kluwer; Lippincott Williams & Wilkins, New York, New York, pp 533-564.
17. Vogel LC, Betz RR, **Mulcahey MJ**. Spinal cord disorders in children and adolescents. In: Lin V (editor). Spinal Cord Medicine Textbook, 2nd ed. New York: Demos, 2010, pp. 595-622.
18. **Mulcahey MJ**, Betz RR. Pediatric spinal cord injury rehabilitation, ch. 66. In: The Pediatric Spine, 3rd ed. New York: Thieme, 2008.
19. **Mulcahey MJ**. Management of the upper extremity in spinal cord injury, ch. 10. In: Spinal Cord Injury Rehabilitation. St. Louis: Mosby, 2008.

20. **Mulcahey MJ**. Upper extremity in spinal cord injury. In: AAOS Atlas of Orthoses and Assistive Devices, 4th edition. Philadelphia: Mosby; 2008. 203-217.
21. Betz RR, **Mulcahey MJ**, Vogel LC. Pediatric spinal cord disorders, ch. 29. In: Kirshblum S, Campagnolo DI, DeLisa JA (editors). Spinal Cord Injury Medicine. Philadelphia: Lippincott, Williams & Wilkins, 2006, pp. 438-470.
22. Betz RR, **Mulcahey MJ**. Pediatric spinal cord injury. In: Weinstein SL (editor). The Pediatric Spine: Principals and Practice, 2nd ed. Philadelphia: Lippincott, Williams & Wilkins, 2001, pp. 601-616.
23. Vogel LC, Betz RR, **Mulcahey MJ**: Pediatric spinal cord disorders in children and adolescents. In: Lin V (editor). Spinal Cord Medicine Textbook. New York: Demos, 2003, pp. 851-884.
24. Vogel LC, Betz RR, **Mulcahey MJ**. Pediatric spinal cord disorders. In: Kirshblum S, Campagnolo DI, DeLisa JA (editors). Spinal Cord Medicine. Philadelphia: Lippincott, Williams and Wilkins, 2002, pp. 438-470.
25. **Mulcahey MJ**. Rehabilitation of upper extremity reconstructive surgery. In: Betz RR, Mulcahey MJ (editors). The Child with a Spinal Cord Injury. Rosemont, IL: American Academy of Orthopaedic Surgeons, 1996, pp. 419-448.
26. **Mulcahey MJ**. Adaptive equipment and orthoses: applications for upper extremity enhancement in pediatric spinal cord injury. In: Betz RR, Mulcahey MJ (editors). The Child with a Spinal Cord Injury. Rosemont, IL: American Academy of Orthopaedic Surgeons, 1996, pp. 375-392.
27. **Mulcahey MJ**, Betz RR, Weiss AA. Overview of upper extremity management in spinal cord injury. In: Betz RR, Mulcahey MJ (editors). The Child with a Spinal Cord Injury. Rosemont, IL: American Academy of Orthopaedic Surgeons, 1996, pp. 417-418.
28. Betz RR, **Mulcahey MJ**. Rehabilitation of pediatric spinal cord injury. In: Weinstein SL (ed). Pediatric Spine: Principals and Practice. New York: Raven Press, 1994, pp.781-810.

BOOKS

1. Vogel L, Zebracki K, Betz RR, **Mulcahey MJ** (editors). The Child with SCI. McKeith Press: London. ISBN:978-1-909962-34-7. 2014
2. Betz RR, **Mulcahey MJ** (editors). The Child with Spinal Cord Injury. American Academy of Orthopedic Surgeons, Rosemont, IL, 1996.

EDITORIALS

1. **Mulcahey MJ**. Update From the Foundation. OTJR (Thorofare N J). 2022 Jan;42(1):8-9. doi: 10.1177/15394492211059406. Epub 2021 Nov 26. PMID: 34836475.

COMMUNITY SERVICE

- | | |
|------------|--|
| 1999 -2020 | Scientific Staff, Shriners Hospitals for Children |
| 2000-2012 | Pediatric Orthopedic and Spinal Cord Injury Outreach Clinics (October and April of Each Year).
San Juan, PR |
| 2001-2004 | Member, Institutional Review Board, Temple University |

RESEARCH SUPPORT

RESEARCH AWARDS- ACTIVE

- A Validation Study of Remote Testing of Physical Function in Spinal Cord Injury. Craig H. Neilsen Foundation. Co-Investigator (Grampurohit, PI). 7/30/2022-7/30/2024 \$400,000.
- Supporting Coaching Fidelity for Improved Psychosocial Outcomes in Spinal Cord Injury. Craig H. Neilsen Foundation. Co-Investigator (Grampurohit, PI). 04/30/2022-04/29/2025. \$400,000.
- The Impact of Injustice Appraisals on Psychosocial Outcomes Following Spinal Cord Injury: A Longitudinal Study. Department of Defense. TJU Investigator (Sub-award University of Minnesota, Moden K, PI). Period of Performance: 09/30/2021 – 06/30/2024
- R01 NS111113-01A1. Development of an MRI Template & Neuroimaging Biomarkers of the Pediatric Spinal Cord, National Institute Neuroscience and Ophthalmic Imaging Technology (NINOIT), Co-Investigator. (Mohamed F\Krisa L, Principal Investigators). 03/15/2020-01/31/2025.
- UH3-NS-103863. Restoration of Grasp and Reach in Cervical Spinal Cord Injury, National Institute of Neurological Disorders and Stroke (NINDS). Jefferson Investigator. (Peckham H, PI). 3/1/2018-01/21/2025. \$594,800.
- Development of normative spine range of motion in female youth aged 10-17. Pediatric Spine

- Foundation (2019-2021). Principal Investigator, \$100,000. 09/2020-09/2022
- Validation of the SCI-FI Performance-by-Observation Measure. Craig H. Neilsen Foundation 597640 (2019-2024), Principal Investigator \$650,000.

RESEARCH AWARDS- COMPLETED/CLOSED

- The Occupational Performance Coaching Model: A Feasibility Study. Craig H. Neilsen Foundation 533863 (2018-2020), Principal Investigator, (\$200,000).
- Development of the PedsQL SCI Module. Craig H. Neilsen Foundation (2018-2021), Consultant, Vogel LC, PI.
- Development of Items for Assessment of Infants and Children in the ICU. Small Business Technology Transfer Application, Consultant (Jette A, Principal Investigator).
- The Pediatric Measure of Participation: A staging and Replenishment Study. Shriners Hospitals for Children 71003 (2016-2018 – NCE through to 2019), Principal Investigator, (\$389,000)
- Metal Artifact Characterization in Spinal Cord injury, Craig H. Nelsen Foundation 385043 (2017-2019, Sub-Investigator, Mohamed F, PI.(\$300,000)
- Knowledge Translation of SCI Computer Adaptive Tests and Short Forms. Craig H. Neilsen Foundation, Quality of Life Sustainable Impact Projects, (2015-2018), Principal Investigator, \$300,000
- Pediatric Validation of the International SCI Data Sets. Rick Hansen Foundation. (2015-2018), Principal Investigator, \$200,000
- R01 NS079635 “Neuroimaging based on DTI as a biomarker for spinal cord injury in children.” National Institutes of Health (NIH), Acute Neural Injury and Epilepsy Study Section (ANIE) (2013-2018), Principal Investigator (multi-PI arrangement), \$1,929,382.
- Patient Reported Outcomes in Duchene Muscular Dystrophy. Department of Defense. Co-Investigator. (2015-2018), \$800,000
- Pediatric Multi-Center Study Evaluation of Notable SCI Outcomes Instruments, Craig H. Neilsen Foundation (2014-2016), Principal Investigator, \$600,000
- Linking Pediatric Computer Adaptive Tests with Adult Computer Adaptive Tests, Shriners Hospitals for Children (2014-2016), Principal Investigator, \$350,348.
- Development of a Pediatric Neurorecovery Scale, Craig H. Neilsen Foundation (2013-2015), Consultant, \$300,000, Sub-investigator
- A Multi-Center Study of Computer Adaptive Testing Platform for the Assessment of Physical Function. Shriners Hospitals for Children – 2013-2015, Principal Investigator, \$1,300,000.
- Computer Adaptive Testing Scientific Forum/Spine Care Grant, Orthopaedic Research and Education Foundation (2011-2012), Co-Investigator, \$40,000.
- A Computer Adaptive Testing Platform for the Assessment of Physical Function. Shriners Hospitals for Children (2009-2012), Principal Investigator, \$1,065,104.
- Development of Trajectories of Computer Adaptive Testing, Shriners Hospitals for Children (2010-2011), Principal Investigator, \$254,066.
- Imaging of the Cord as a Method of Evaluation and Classification of SCI in Children, Shriners Hospitals for Children, (2009-2011), Principal Investigator, \$306,585.
- Development of a Computer Adaptive Testing Platform for the Assessment of Quality of Life in Children with Spinal Cord Injury. Shriners Hospitals for Children (2007-2010), Principal Investigator, \$768,268.
- The International Standards for Neurological Classification of Spinal Cord Injury: Reliability Testing and Sensitivity to Change When Applied to Children and Youth. Shriners Hospitals for Children (2006-2008), Principal Investigator, \$216,605.
- Prospective Comparison Between Vertebral Body Staple and Thoracolumbosacral Bracing in Treatment of Youth with Idiopathic Scoliosis. Shriners Hospitals for Children (2006-2007), Co-Investigator, \$150,000.
- A Computer Adaptive Testing Platform for the Assessment of Physical Functioning of Children with Cerebral Palsy. Shriners Hospitals for Children (2006-2008), Co-Investigator, \$499,402.
- Outcomes of Treatment for Progressive Spine Deformity in Pediatric SCI. Shriners Hospitals for Children (2005-2006), Co-Investigator, \$156,000.
- Cross-Sectional Study of Participation and Needs of Children with Cerebral Palsy. Shriners Hospitals for Children (2005-2008), Co-Investigator, \$900,000.
- Cycling with Electrical Stimulation to Improve Health and Fitness of Children with Spinal Cord

- Injuries. Shriners Hospitals for Children (2004-2006), Co-Investigator, \$1,018,150.
- Prospective Comparison of the Biceps to Triceps and Deltoid to Triceps in Children with Spinal Cord Injury. American Hand Society (1999-2003), Investigator, \$165,000.
- Functional Electrical Stimulation in Children with Spinal Cord Injury and Cerebral Palsy, Shriners Hospitals for Children (1996-2004), Co-Investigator, \$10,419,219.

RESEARCH AWARDS, SUBMITTED, NOT FUNDED

- Implementation of Longitudinal Standardized Assessment of Neurological and Functional Outcomes Following Spinal Cord Injury. Mulcahey/Mohamed, Principal Investigators. National Institute of Neurological Disorders and Stroke (NINDS). 7/1/2023-7/1/2028. \$3,509,149
- Development and Validation of Multiparametric Imaging Biomarkers for Spinal Cord Injury. National Institutes of Neurological Disorders and Stroke (NINDS). Principal Investigator, Submitted March 5, 2019.
- Restoring upper Extremities via Stimulation Therapy enabling Optimal Rehabilitation Efficacy (RESTORE), National Institute of Neurologic Disorders and Stroke. Multi-PI Arrangement, Mortiz C & Mulcahey MJ. Submitted Nov. 5, 2019
- Feasibility Testing of the Motor Activity Profile (MAP): Discovering a Path to Objective Measurement of Motor Function. National Institute of Disability, Independent Living and Rehabilitation Research (NIDILRR). Co-Investigator. (Graves D, Principal Investigator). Submitted Feb. 12, 2019
- Spinal Cord Injury in the Pediatric Population - A Norwegian and multinational study. The Norwegian Regional Health Authorities. Co-Investigator. Submitted Sept. 5, 2018.

INTRAMURAL RESEARCH AWARDS – ACTIVE

- Cerebral Palsy Profile of Function. Jefferson Pediatric Award. Principal Investigator, \$50,000

INTRAMURAL RESEARCH AWARDS – COMPLETED/CLOSED

- Neurosleeve for Improving Upper Limb Function in Children with Neurologic Impairment. Jefferson Pediatric Research Award. Co-Investigator, with Srruya M. \$50,000.
- Neurotechnologies for the Neurologically Impaired Upper Limb. Dean's Transformative Science Award. Principal Investigator, with Drs. Grampurohit N, Serruya M, Napoli A, Fedorczyk J. \$37,800
- Provost Award. Outcomes and Measurement Dept. Start-up. August 2019, \$50,000
- Provost Award. The Philadelphia SCI Consortium Meeting. May 18, 2018, with Steve R. Williams, MD. \$30,000,
- Screening for impairments in executive function in healthy older adults in a busy spine practice. JCHP Dean's Award (2015-2016), Investigator, \$20,000.
- Scoping review of participation measures. JCHP Dean's Award (2015-2016), Co-Investigator, \$18,000.

INTRAMURAL RESEARCH AWARDS – NOT FUNDED

- The Cerebral Palsy Profile of Health and Function. Jefferson Pediatric Research Award. Principal Investigator, With M. Wade Shrader, MD. \$50,000.
- Coaching Mothers of Children with Neurodiversity. Jefferson Pediatric Research Award, Principal Investigator, with Wendy Ross, MD. \$50,000.

UNRESTRICTED RESEARCH AWARDS- COMPLETED/CLOSED

- Cognitive Testing of the SAQ with Typically Developing Youths and Youths with Idiopathic Scoliosis, DePuy Spine (2010), Principal Investigator, \$27,500.
- Pilot Investigation of the Usefulness of Computer Adaptive Testing to Measure Physical Functioning in Children with Spine Impairments. Synthes Spine (2007), Principal Investigator, \$75,000.
- Computer Adaptive Testing for Children with Spinal Impairments: Pilot Study. Synthes Spine (2006-2007), Principal Investigator, \$125,000.

EDUCATIONAL AND QUALITY OF LIFE GRANT AWARDS- NON-COMPETTIVE

- WeeStep – Development of an eLearning module on pediatric application of the International Standards for Neurological Classification of SCI (2011). Shriners Hospital for Children, Principal Investigator, \$20,000

- International Tetraplegia Meeting: Access to All Through Instant Archive TM. Craig H. Neilsen Foundation (2007), Principal Investigator, \$20,000.
- The 9 International Conference of Upper Limb Surgery in Tetraplegia. Shriners Hospitals for Children (2006), Principal Investigator, \$20,000.
- Howard H. Steel Conference: Injuries and Dysfunction of the Spinal Cord in Children. Shriners Hospitals for Children (2006), Principal Investigator, \$20,000.