ASSISTIVE TECHNOLOGY RESEARCH

Project #674
LiveWell RERC: R1 Discovery of User Needs and Preferences for Information and Communication Technologies: Priority Needs and Access Issues (Michael Jones, PhD, John Morris, PhD)

Project #676
LiveWell RERC: R2 Factors Affecting Acceptance of ICT by People with Disabilities and Caregivers. (John Morris, PhD)

Project #731
Usability Lab: Tech Access Network. (John Morris, PhD)

Project #752
LiveWell RERC: BreatheWell Wear 2.0. (Tracey Wallace, CCC-SLP)

MULTIPLE SCLEROSIS RESEARCH

Project #552
A Randomized, Double-Blind, Double-Dummy, Parallel-Group Study To Evaluate The Efficacy And Safety Of Ocrelizumab In Comparison To Interferon Beta-1a (Rebif®) In Patients With Relapsing Multiple Sclerosis - Genentech current protocol WA21092 (OPERA). (Ben Thrower, MD, Carlyn Kappy, RD, LD, CCRP)

Project #662
Long term, prospective, multinational, parallel-cohort study monitoring safety in patients with MS newly started on fingolimod once daily or treated with another approved disease-modifying therapy – Novartis #CFTY720d2403 - Passage” (Ben Thrower, MD, Elizabeth Gonzales, CCRP)

Project #667
Successful Employment And Quality Work Life after Severe Disability: Comparison Of Predictive Models With Multiple Sclerosis And Spinal Cord Injury. Stage II: Quantitative Study of Factors Related to Successful Employment. (Deborah Backus, PT, PhD)

Project 690
Severity of Illness, Parenting, and Child Psychological Adjustment: Exploring the Associations among Mothers with Multiple Sclerosis. (Emily Stewart)

Project #694
PRIME: Engaging MS Providers to Improve Multiple Sclerosis Outcomes Through Effective Coordination of Care - Protocol #5619. (Guy Buckle, MD, Elizabeth Gonzales, CCRP)

Project #706
An Open-Label, Single-Arm Study To Evaluate The Effectiveness And Safety Of Ocrelizumab In Patients With Early Stage Relapsing Remitting Multiple Sclerosis (Protocol # MA30143) (Ben Thrower, MD, Carlyn Kappy, RD, LD, CCRP)
Project #710
(Ben Thrower, MD, Elizabeth Gonzales, CCRP)

Project #713
Shepherd Center MS Outcomes Data Registry (Deborah Backus, PT, PhD)

Project #722
Pilot Study Evaluating Functional Outcomes in People with MS who participate in the Shepherd Can Do MS Program. (Deborah Backus, PT, PhD)

Project #733
Validation of a Fall Prevention Program Among Non-Ambulatory Wheeled Mobility Device Users with Multiple Sclerosis. (Deborah Backus, PT, PhD)

Project #735
Assessing Relationships Between Cognitive Function and Brain Atrophy in MS Patients. (Guy Buckle, MD)

Project #738
Comparative Effectiveness of an Exercise Intervention Delivered via Telerehabilitation and Conventional Mode of Delivery. (Deborah Backus, PT, PhD)

Project #739
A Multicenter Randomized, Double-Blind, Placebo-Controlled Study in Subjects With Relapsing Multiple Sclerosis to Evaluate the Efficacy and Safety of BIIB033 as an Add-On Therapy to Anti-Inflammatory Disease-Modifying Therapies. (Ben Thrower, MD)

Project #746
Study to Determine Reliability of Accelerometer based Mechanomyography as a Measure of Muscle Endurance in People with MS. (Deborah Backus, PT, PhD)

Project #751
A 3-Arm, Multicenter, Double-Blind, Placebo-Controlled, Randomized Study to Assess the Efficacy and Safety of ADS-5102 Amantadine Extended Release Capsules in Multiple Sclerosis Patients with Walking Impairment - Adamas ADS-AMT-MS301. (Ben Thrower, MD, Michelle Tidwell, RN, BSN, CCRP)

Project #761
A Multicenter, Open-Label Safety and Efficacy Study of ADS 5102 Amantadine Extended Release Capsules in Patients with Multiple Sclerosis and Walking Impairment. Adamas ADS-AMT-MS302. (Ben Thrower, MD, Michelle Tidwell, RN, BSN, CCRP)

Project #769
Pilot Study to Evaluate the Unique Contributions of Electrical Stimulation to Muscle Fatigue and Symptoms in People with MS. (Deborah Backus, PT, PhD)
Project #772
A Randomized, Controlled, Open-Label, Rater-Blinded, Phase 3b Study of the Efficacy, Safety, and Tolerability of 6-Week Extended Interval Dosing of Natalizumab (BG00002) in Subjects With Relapsing-Remitting Multiple Sclerosis Switching From Treatment With 4-Week Natalizumab Standard Interval Dosing (SID) in Relation to Continued SID Treatment – Biogen NOVA (Protocol ID: 101MS329) (Ben Thrower, MD)

Project #776
Pilot Study Evaluating Functional and Wellness Outcomes of the Shepherd Can Do MS Program (Deborah Backus, PT, PhD)

Project #781
Feasibility of the Multiple Sclerosis Performance Test for Assessment of Functional Performance Measures in Patients with Multiple Sclerosis. (Deborah Backus, PT, PhD, Casey Kandilakis, PT)

Project #783
The Potential Relationship between MS lesion load and Clinical Walking Outcomes. (Deborah Backus, PT, PhD, Joy Williams)

Project #784
The role of marriage in the adoption of healthy behaviors in people with MS. (Kevin McCully, PhD, Deborah Backus, PT, PhD)

Project #792
Helping People with MS Help Themselves: Are Self-management Strategies Needed for People with MS. (Louise Palmer)

Project #794
An Observational study of Ocrelizumab treated patients with Multiple Sclerosis to Determine the incidence and mortality rates of Breast Cancer and all malignancies. (Ben Thrower, MD)

SPINAL CORD INJURY RESEARCH

Project #446
A Phase 1 Safety Study of GRNOPCI in Patients with Neurologically Complete, Subacute, Spinal Cord Injury (David Apple, MD, Michelle Tidwell, RN)

Project #453
Humanitarian Use Device – DPS (Brock Bowman, MD, Ismari Clesson, RN, CCRP)

Project #587
Systematic Assessment of Caregiving Skill Performance by Individuals with Tetraplegia and Their Caregivers. (John Morris, PhD)

Project #614
Indego Generation Two Fit and Functionality. (David Apple, MD, Clare Hartigan, PT)

Project #629
Dose-Response Effects of Whole Body Vibration on Spasticity and Walking in SCI. (Edelle Field-Fote, PhD, Elizabeth Sasso-Lance, PT; Bradley Farrell, PhD)
Project #640
A Long-term Follow-up Study of Subjects with Cervical Spinal Cord Injuries Who Received AST-OPC1 in Protocol AST-OPC1-01" Asterias AST-OPC1-02. (Donald Leslie, MD, Ismari Clesson, RN, CCRP, Michelle Tidwell, RN, BSN, CCRP)

Project #643
A Randomized Controlled Study to Evaluate the Effectiveness of the Precision Spinal Cord Stimulator System at Sub-Perception Amplitude" Boston Scientific A4046 WHISPER. (Erik Shaw, DO, Elizabeth Gonzales, CCRP)

Project #665
Intermittent Hypoxia-Induced Recovery of Overground Walking in Persons with Subacute SCI. (Randy Trumbower, PT, PhD, Elizabeth Sasso-Lance, PT)

Project #677
Improving Safety and Independence following SCI. (Ron Seel, PhD)

Project #678
LiveWell RERC: Tech Factory. (John Morris, PhD)

Project #691
Conditioning Neural Circuits to Improve Upper Extremity Function. (Edelle Field-Fote, PhD)

Project #693
Adaptation and validation of a quantitative measure of upper extremity spasticity for use in persons with cervical spinal cord injury. (Edelle Field-Fote, PhD)

Project #696
Combined Influence of Transcutaneous Spinal Cord Stimulation and Locomotor Training on Spasticity and Walking Outcomes after Spinal Cord Injury. (Stephen Estes, PhD - Research Fellowship)

Project #703
SCIMS Project 1: Enhancing Corticospinal Activation for Improved Walking Function. (Edelle Field-Fote, PhD)

Project #707
A Multi-Center, Randomized, Placebo-Controlled, Double-Blinded, Trial of Efficacy and Safety of Riluzole in Acute Spinal Cord Injury. (Faiz Ahmad, MD, Alex Hall) (Grady Collaboration)

Project #709
Emergency Department Visits, Related Hospitalizations, and Reasons for Utilization of the Emergency Department after SCI. (James Krause, PhD, Jennifer Coker)

Project #712
Chart Review of Spinal Cord Stimulation after Spinal Cord Injury (Bradley Farrell, PhD)

Project #715
Diet Composition and Cardiometabolic Risk Reduction in Adults with SCI. Protocol #F151001005. Sponsor NIH; In collaboration with UAB (Brooks Wingo, PhD; Edelle Field-Fote, PhD)
Project #717
Incorporation of Surface Electrode Functional Electrical Stimulation System in Indego Exoskeleton. (Donald Leslie, MD)

Project #720
The Effects Of Traumatic Spinal Cord Injury On Basal Metabolic Rate During The Acute and Post-Acute Stages of Recovery. (David Apple, MD, Carlyn Kappy, RD, LD, CCRP)

Project #721
Determinants of Upper Extremity Functional Capabilities in Tetraplegia. (Edelle Field-Fote, PhD)

Project #723
Enhancing Corticospinal Excitability to Improve Functional Recovery. (Jennifer Iddings, PhD)

Project #729
Improving Quality of Personal Care Assistance Services for People with SCI through Online Education. (John Morris, PhD)

Project #732
Managing Edema after Spinal Cord Injury with Techniques Utilized to Treat Lymphedema. (Rebecca Hammad, MHS, OTR/L CLT)

Project #737
SCI Model System of Care Data Collection (MASTER GRANT 2016 - 2021) (Edelle Field-Fote, PhD)

Project #741
A Blended Residential/Telehealth Lifestyle Intervention to Improve Cardiovascular Health and Manage Pain in Adults with SCI: A Pilot Study. (James Rimmer, PhD, Elizabeth Sasso-Lance, PT)

Project #747
“A retrospective chart review of opioid prescription practices in the acute rehabilitation of neurological patients - 10/1/2014 through 11/1/2017” (Gerald Bilsky, MD)

Project #749
Development of Crosswalks to Aggregate International Spinal Cord Injury Functional Data. FIM/SCIM III data will be used. (Linda Jones, PT)

Project #750
Using a Health Technology Assessment Framework for Evaluating the Utilization and Efficiency of Wearable Exoskeletons for SCI Rehabilitation. (Edelle Field-Fote, PhD, Cathy Furbish, PT)

Project #753
The effect of joint mobilization on ROM and spasticity. (Brian Maloney, PT)

Project #758
A Longitudinal Survey of SCI Patients Using the Mobile SCI-Ex App to Support a Home Exercise Routine (Mike Jones, PhD)

Project #762
Random Noise Stimulation to Enhance Corticomotor Drive for Improved Hand Function. (Anastasia Zarkou, PT, PhD)
Project #763
Performing home evaluations using new technology on mobile platforms. (Mike Jones, PhD)

Project #770
Evaluating the long-term effects of an activity-based therapy (ABT) exercise program (ACTION Trial) for individuals with chronic spinal cord injury: Long-term follow up to determine lasting impact on walking outcomes. (Mike Jones, PhD)

Project #771
Dose-Response Effects Associated with Intensity of Transcutaneous Spinal Cord Stimulation on Spasticity after Spinal Cord Injury (Edelle Field-Fote, PhD; Evan Sandler)

Project #777
Influence of Whole Body Vibration on Neuromodulation of Ankle Muscles in Persons with SCI (Edelle Field-Fote, PhD; Jasmine Hope)

Project #778
Preliminary Assessment of the Anti-Clonus Functional Electrical Stimulation Device for Wheelchair Propulsion. (Adrew Ekelem, PhD)

Project #779
A Multicenter, Two Part (Open-Label Single-Ascending Dose Followed by Double-Blind, Placebo-Controlled Repeat Dose) Study to Evaluate the Safety, Tolerability, Pharmacokinetics, and Efficacy of AXER-204 in Subjects with Chronic Spinal Cord Injury (the RESET® Study). (Donald Peck Leslie, MD; Michelle Tidwell, RN, BSN, CCRP)

Project #780
Pilot Study of Spinal Cord Stim for Pain and Motor Control after Spinal Cord Injury. (Brad Farrell, PhD)

Project #787
Influence of Wearable Intensive Nerve Stimulation on Spasticity and Function in Persons with Spinal Cord Injury. (Edelle Field-Fote, PhD)

Project #796
Clinical Evaluation of the Connected Catheter - Wireless Urinary Prosthesis for Management of Chronic Urinary Retention (Connected Catheter- Evaluation Study. (Tammy King

STROKE RESEARCH

Project #745
Right-Brain Dominance in Left Middle Cerebral Artery Stoke: A Case Study. (Jessica Robbins, PhD)

Project #748
Right ICA CVA after Malignant Carotid Body Tumor Resection: A Case study and Implications for Rehabilitation. (Jessica Robbins, PhD)

Project #798
1497734-1 Case Study of how iLs (Integrated Listening Systems) Focus unit treatments can improve gait & balance abilities of a client post-stroke - A singe patient clinical case study. (Julia Fortna, OT)
Project #454
A Prospective Analysis of Therapeutic Treatments and Their Impact on Acute TBI Rehabilitation Outcomes (Ron Seel, PhD)

Project #588
Feasibility and Utilization of an Upper Limb Exoskeletal Device in Acute Acquired Brain Injury Rehabilitation. (Kathy Farris, OT)

Project #683
Use of Behavioral Informatics to Support Safety and Activity Independence in the Home. (Ron Seel, PhD)

Project #695
Characterization of Post-concussive Vestibular Impairment Brain Structural and Functional Connectivity Dysfunction and the Impact of Vestibular Rehabilitation. (Rusty Gore, MD)

Project #714
TBI Outcomes and Differences in Acute Care at a Southeastern Level I Trauma Center (Ron Seel, PhD, Tolu Oyesanya, PhD)

Project #724
Transition Needs of Patients with TBI Discharged Home from Acute Care and Their Family Caregivers. (Tolu Oyesanya, PhD)

Project #726
Grading Symptom Responses to Engaging Video Attributes after Concussion (Russell Gore, MD)

Project #736
Effectiveness of Trigger Point Dry Needling for Lateral Epicondylitis Versus Lateral Epicondylosis: A Report Comparing Two Cases. (April Hodge, PT) (SHARE Program)

Project #740
The Effect of Mindfulness on Cognition and Self-Awareness after Acquired Brain Injury (Katy O’Brien, PhD)

Project #743
A Tool to Support Patient-Centered Goal Attainment Scaling for Cognitive Rehabilitation. (Tracey Wallace, CCC-SLP)

Project #773
Magnetic Resonance Spectroscopy Applications in Disorders of Consciousness (MRS for DoC) (Candace Fleischer, PhD (Emory)

Project #782

Project #785tDCS paired with exercise and attention training compared with exercise alone with attention training for mTBI. (April Hodge, PT.)
Project #786
SUCCESS: Success in College after Concussion with Effective Student Supports. (Tracey Wallace, CCC-SLP)

Project #790
Veteran goal directed comprehensive care outcomes in chronic mild traumatic brain injury. (Tracey Wallace, CCC-SLP)

Project #797
Minimal Clinical Important Difference (MCID) of gait speed and subjective balance in individuals with vestibular disorders (Deidentified Chart Review). (April Hodge, PT)

PAIN MANAGEMENT RESEARCH

Project #702
Prospective, R+C22 Randomized Clinical Trial of Evoked Potential Measures Using the Senza™ Spinal Cord Stimulation (SCS) System (Nevro). (Erik Shaw, DO)

Project #774
A retrospective case series chart review of lithium carbonate effects on chronic central pain patients at The Shepherd Center from 11/01/2015 to 10/31/2018. (Erik Shaw, DO)

Project #775
A retrospective chart review of percutaneous peripheral nerve stimulation for the treatment of peripheral nerve pain. (Erik Shaw, DO)

NEUROPSYCHOLOGY RESEARCH

Project #701
Shepherd Center Neuropsychology Data Registry Research Protocol. (Laura Hoskins, Psy.D.)

OUTCOMES RESEARCH

Project #603
A Patient-Centered Approach to Successful Community Transition after Catastrophic Injury (Mike Jones, PhD)

PUBLIC HEALTH

Project #793
Public Health Priorities As Reflected by American Corporate Philanthropy. (Ford Vox, MD)