



# SCIENTIFIC MEETING

## POSTERS

### AWARD-ELIGIBLE POSTERS

TUESDAY, MAY 21 & WEDNESDAY, MAY 22, 2024

- 1 Acute Intermittent Hypoxia Improves Airway Protection During Swallowing in Chronic Cervical Spinal Cord Injury  
*Alicia K. Vose, PhD, CCC-SLP*
- 2 Dating Satisfaction and Sexual Behaviors of Adults with Pediatric-Onset Spinal Cord Injury  
*Justine Stewart, PsyD*
- 3 Working Hard or Hardly Working? Comparing Physical Therapist Burden During Different Gait Training Approaches with a Patient with an Acute Spinal Cord Injury  
*Lindsey Wynne, PT, DPT, NCS*
- 4 A Pilot Study Testing Safety and Benefits of Ursolic Acid as a Countermeasure to Myopenia and Insulin Resistance in Chronic SCI  
*Mark S. Nash, PhD, FACS, FASIA*
- 5 Acquired Infections Drive Genetic and Immune Changes Acutely after SCI  
*Angela Filous, PhD*
- 6 Adaptive Sports for All: Investigating the Socioeconomic Challenges to Participation  
*Allyson Gorman, BS*
- 7 Activity-Based Restorative Therapy (ABRT) and the Risk of developing Medical Device-Related Pressure Injuries in pediatric Patients with Spinal Cord Injury: A Case Report  
*Quyen Catania, PT, DPT, NCS, CWS, CLT*
- 8 An Unusual Presentation of Spinal Arachnoid Cyst: The Value of SCI/D Annual Evaluation  
*Ryan Shields, MD, MSc*
- 9 Upper Extremity Motor Scores and Functional Outcomes in Tetraplegic Spinal Cord Injury  
*Emily Y. Chen, M.D. Candidate*
- 10 Adjuvant Ethyl Nitrite on Hemodynamic Management and Spinal Cord Intraparenchymal Hemorrhaging in the Acute Phase Following Traumatic SCI  
*Erin Erskine, MSc*
- 11 Addressing Sexual Health in Individuals with Spinal Cord Injury (SCI) in Latin America: Results from a Survey Study  
*Melina Longoni, MD*
- 12 A Biomarker to Predict Spasticity Reduction Following Transcutaneous Spinal Stimulation  
*Evan B. Sandler, PT, DPT, PhDc*
- 13 A Feasibility Study of High Intensity Interval Training (HIIT) to Reduce Cardiometabolic Disease Risks in Individuals with Acute Spinal Cord Injury  
*James Bilzon, PhD*
- 14 The Need to Establish a Model Systems of Care for the Non Traumatic Spinal Cord Injury Population  
*Melissa Michaluk, DO*



# POSTERS

## TUESDAY, MAY 21, 2024

### ACCESSIBILITY/PUBLIC HEALTH

- 15** Management of Durable Medical Equipment in Latin America: the Healthcare Provider's Experience  
Melina Longoni, MD
- 16** Flooding and SCI: Characterizing Weather Effects on the SCI Community in South Florida  
David McMillan, PhD
- 17** Does Participating In A National Research Registry Impact Patient Outcomes Following Traumatic Spinal Cord Injury? A Population-Based Study From the Rick Hansen Spinal Cord Injury Registry  
Andréane Richard-Denis, MD-MSc
- 18** How Does Extreme Heat Impact SCI Daily Living? Perspectives and Considerations from Southeastern Floridians Living with Spinal Cord Injury  
David McMillan, PhD
- 19** Preliminary Results of Participants Engagement In the Peer-Led Workout on Wheels Internet Intervention Program  
Katherine Froelich Grobe, PhD

### ACUTE CARE

- 20** Is There an Optimal Mobility Pattern For Preventing Pressure Injuries During Acute Care After SCI: A Prospective Cohort Study to objectively monitor Nighttime Mobility using Actigraphy  
Islam Krazdi, MSc

### ADVOCACY

- 21** The Impact of the Educational Interventions by the Americas Committee of ASIA In Latin America  
Melina Longoni, MD

### ASSISTIVE TECHNOLOGY

- 22** Developing A Functional Electrical Stimulation Garment for the Upper Limbs  
Eugene Eunoia Brukman
- 23** Deep Learning Classification of Pediatric Spinal Cord Injury from Diffusion Tensor Imaging Measurements  
Laura Krisa, PhD

- 24** Unlocking Independence: Exploring Assistive Technology Use Among Individuals with Tetraplegia and Its Impact on Psychosocial Well-Being  
Kimberley R. Monden, PhD

### BASIC SCIENCE/ANIMAL MODELS

- 25** Investigating the Influence of Spinal Cord Injury on Sympathetic Ganglionic Control of the Heart  
Alissa Taki, BSc
- 26** Overexpression of Sox11 Restores Embryonic, Pro-Regenerative Gene Transcription In Adult Corticospinal Tract Neurons after Spinal Injury  
Elizabeth Batsel, BS

### CARDIOVASCULAR

- 27** Effect of Two Different Training Programs on Cardiovascular Response and Functional Activity In Individuals with Chronic Spinal Cord Injury  
Marlene Alejandra Rodríguez Barragán, MD, MSc
- 28** Effects of a Feedback-Controlled Heated Vest on Core Temperature in Persons with Spinal Cord Injury during Cool Exposure  
Ian Paez, BA
- 29** Mild Intermittent Hypoxia Acutely Exacerbates Autonomic Dysreflexia, but Orthostatic Hypotension  
Fei Zhao, MPT, PhD
- 30** Cardio-Vagal Responses to the Cold-Face Challenge In People with SCI: Effects of Cholinergic Agonist and Antagonist  
Jacob A. Goldsmith, MS, PhD
- 31** Vascular Dysfunction Following Spinal Cord Injury: A Systematic Review and Meta-Analysis  
Ali Hosseinzadeh, BSc
- 32** The Effect of Transcutaneous Spinal Cord Stimulation on Peripheral Vascular Responses During Urodynamic Assessment  
Ali Hosseinzadeh, BSc

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TUESDAY, MAY 21, 2024

### CASE STUDY

- 33** When Paresthesias Are More Than Skin Deep: A Case Report  
Michiko Paschall, MD
- 34** Surfer'S Myelopathy: An Unusual Cause of Acute Spinal Cord Ischemia  
Aldo Rafael Montes Ugalde, MD
- 35** The Importance of Spilling Their Guts: An Uncommon Case of Anemia In SCI  
Lauren E. Shuda, MD
- 36** Psychological Intervention Model Aimed to Inpatient Rehabilitation Spinal Cord Injury Individuals  
Sandra R. Hernández-Sandoval, BA Psychology; Psy. M.

### CHRONIC CARE

- 37** Skipping Leg Day isn't always Bad: Complications Found in Heavy Lifters who Experience Paralysis  
Samantha Mendelson, DO
- 38** Complexities of Bowel and Bladder Management In Cancer-Associated Spinal Cord Injury: A Mixed-Methods Study  
Andrea Leyton-Mange, MD

### WITHDRAWN

- 40** Prevalence of Current Pregnancy In Women with Traumatic Spinal Cord Injury: Findings from the National SCIMs Database 2000-2023  
Yuying Chen MD, PhD

### CLINICAL TRIAL UPDATES

- 41** WITHDRAWN
- 42** A Phase 1b/2a Study of NVG-291 In Individuals with Subacute Or Chronic Spinal Cord Injury  
Daniel Mikol, MD, PhD
- 43** Segmental Motor Recovery After Cervical Spinal Cord Injury  
Gustavo Balbinot, PhD

### COMMUNITY RE-INTEGRATION AND PARTICIPATION

- 44** Returning to Work After a Spinal Cord Injury In Latin America  
Melina Longoni, MD
- 45** A Clinical Research Registry: The Power of Connection  
Carolyn Ostrowski, PTA, CEAS
- 46** Working Conditions in Patients with Spinal Cord Injury at the National Rehabilitation Institute, Mexico City  
Aldo Rafael Montes Ugalde, MD
- 47** Sexuality in Patients with Spinal Cord Injury: Satisfaction Reported About the Intervention Received During Rehabilitation Program  
Mariana Bonetto, OT
- 48** Group Tele-Exercise Impact on Physical Activity Determinants and Behavior In Individuals with Spinal Cord Injury  
Laura Baehr, PT, DPT, PhD
- 49** Predicting Complete vs. Incomplete Long-Term Functional Independence Early After Acute Motor-Incomplete AIS D Spinal Cord Injury to Optimize the Care Pathway. A Prospective Cohort Study  
Antoine Dionne, MS4

### COVID 19

- 50** Results of Telepsychology Intervention In People with Spinal Cord Injuries In Argentina During the Pandemic and Beyond  
Melina Longoni, MD
- 51** Autoimmune Cervicothoracic Myelopathy following Covid-19 Infection: A Variable Presentation  
Ton La, Jr., MD JD

### ELECTROPHYSIOLOGY

- 52** Transcutaneous Electrical Spinal Stimulation Attenuates Ankle Clonus in Humans with Chronic Spinal Cord Injury  
Alex Benedetto

### IMAGING

- 53** Measurement of Magnetization Transfer Ratio In Normal Pediatric Cervical Spinal Cord: Clinical Feasibility, Assessment of Normative Data and Age Correlation  
Laura Krisa, LK, PhD
- 54** Metal Reduction Around Cervical Spine Implant Using Diffusion Tensor Imaging at 3T MRI: Preliminary Results  
Slimane Tounekti, PhD

# POSTERS

## TUESDAY, MAY 21, 2024

### LOWER EXTREMITY FUNCTION/GAIT

- 55** Data-Driven Characterisation of Lower-Limb Kinematics During Breaststroke Swimming In Patients with Spinal Cord Injury  
Melina Giagiozis, MSc

### MEASUREMENT AND OUTCOMES INSTRUMENTS

- 56** Longitudinal Functional Recovery after Spinal Cord Injury Using the Neuromuscular Recovery Scale  
Doug Griffin, PT
- 57** Novel Superconditioning Transcranial Magnetic Stimulation (TMSsc) As a Sensitive Biomarker In Amyotrophic Lateral Sclerosis (ALS) Diagnosis  
Ramza Malik, DO
- 58** Use of Motor Score "5\*" In the European Multicenter Study About Spinal Cord Injury (EMSCI)  
Christian Schuld, MSc
- 59** Not Testable ISNCSCI Motor and Sensory Scores In the European Multicenter Study about Spinal Cord Injury (EMSCI): Occurrence Patterns and Consequences on Classification  
Christian Schuld, MSc
- 60** Biomarkers for Recovery Following Severe Spinal Cord Injury  
Monica Perez, PhD
- 61** Differences in Common Prehension Relevant Outcome Measures in Tetraplegia  
Nilanjana Datta, MD
- 62** Establishment of Reference Scores For Trunk Control Assessment Using Smartphones In Patients with Spinal Cord Injury  
Erika Abarca Ortega, MD
- 63** Predicting Bladder Function During Acute Hospitalization with a Qualitative Voluntary Anal Contraction Assessment Following Motor Incomplete Spinal Cord Injury  
Andréane Richard-Denis, MD-MSc
- 64** A Data-Driven Investigation of Historic Control Matching  
Miklovana Tuci, MSc
- 65** Knowledge, Comfort, Approach and Attitude towards Sexuality Scale in Spinal Cord injured Population: Adaptation and Validation to Spanish Language  
Luz Miriam Leiva Pemberthy, MD

### METABOLIC/OBESITY

- 66** The Effects of High-intensity Interval Training on Fitness and Metabolic Health in Individuals with Acute Spinal Cord Injury Submission  
Jennifer Maher, PhD
- 67** Treatment of Neurogenic Obesity in Spinal Cord Injury with Tirzepatide: A Case Report  
Michael Juszcak, MD

### MOTOR CONTROL

- 68** Quantifying Volitional Leg Movement In the E-Stand Clinical Trial Using Surface Electromyography  
Emily Haag, B.S.
- 69** Mild Intermittent Hypoxia Improves Hand Function In Individuals with Motor Incomplete Spinal Cord Injury  
Lexi Soltesz

### NEURAL PLASTICITY

- 70** Peripheral Plasticity of Nociceptive Afferents Following Spinal Cord Injury  
Morgan Sharp-Forston, B.S.

### NEUROMODULATION

- 71** Transcutaneous Spinal Cord Stimulation Combined with Activity-Based Therapy Leads to Sensorimotor Improvements In Chronic, Thoracic Spinal Cord Injuries  
Jenny Suggitt, MSc, OTR/L
- 72** Restoring Function after Chronic Spinal Cord Injury from Electrophysiology to Kinematics  
Tara Nash, CNP
- 73** Autonomic and Motor Recovery with Non-Invasive Lumbosacral Spinal Cord Stimulation Following Cervical Motor-Complete Spinal Cord Injury: A Case Study  
Ali Hosseinzadeh, BSc
- 74** Modulation of Spinal Cord Excitability and Motor Performance in Individuals with Chronic Cervical SCI Following a Single Spinal Cord Transcutaneous Stimulation Training Session  
Pawan Sharma, PhD

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## POSTERS

**TUESDAY, MAY 21, 2024**

### NEUROMODULATION

- 75** Transcutaneous Spinal Cord Stimulation to Restore Cardiovascular Function In Chronic SCI  
Lynda Murray, PhD
- 76** Participants and Caregivers' Perspectives of the Spinal Cord Epidural Stimulation Effect on Bowel Function and Management for Individuals with Spinal Cord Injury: A Qualitative Study  
Beatrice Ugiliweneza, PhD, MS
- 77** Paired Brain and Cervical Spinal Stimulation Facilitates Hand Muscle Responses In Humans  
Lynda Murray, PhD

- 78** Identifying Midbrain Locomotor Circuits that Improve Walking In Pigs Following Incomplete SCI  
Brian Noga, PhD
- 79** Enabling Volitional Lower Limb Control with Non-Invasive Spinal Cord Stimulation: Responder vs. Non-Responder  
Raza N. Malik, PhD

### PSYCHOSOCIAL

- 80** Barriers to Health Promotion Among Young Adults with Pediatric-onset Spinal Cord Injury  
Alicia January, PhD

**WEDNESDAY, MAY 22, 2024**

### EXOSKELETONS

- 81** Overground Robotic Exoskeleton Use for Early Mobility After Spinal Cord Injury During Acute Care Hospitalization: A Case Series  
Jaime Gillespie, PT, DPT

### GASTROINTESTINAL

- 82** The Gut Microbiome After SCI: A Preliminary Analysis of the Gut Microbiome to Identify Molecular Mechanisms of GI Dysfunction  
Mark Nash, PhD, FACSM, FASIA

### GENOMICS

- 83** Genetic Variability and DVT After Spinal Cord Injury (SCI): A Negative Pilot Study Highlights Barriers and Opportunities To Exploring Gene Association in SCI Outcomes  
Lauren Hall, MD

### IMAGING

- 84** Characterization of Chronic incomplete Cervical Spinal Cord Injury with Magnetic Resonance Imaging and Assessments of Sensory and Motor Functions: Case Reports  
Allison Lewis, DPT, PhD

### PAIN

- 85** Effectiveness of Hydrotherapy on Neuropathic Pain and Pain Catastrophization in Patients with Spinal Cord Injury: Protocol for a Pilot Trial Study  
Luz Miriam Leiva Pemberthy, MD
- 86** Factors Associated with Neuropathic Pain in Colombian Patients with Spinal Cord Injury of Traumatic Origin: Case-Control Study  
Luz Miriam Leiva Pemberthy, MD
- 87** Perceived Effectiveness and use of Seven Active Pain Management Tools By individuals with Paraplegia Participating in A 9-Week Chronic Neuropathic Pain Management Program  
Lisa Lighthall Haubert, MPT, DPT, KEMG
- 88** Battlefield Acupuncture in Action : Our Centers Experience with Battlefield Acupuncture for SCI Related Pain  
Samantha Mendelson, DO
- 89** The Impact of SCI and SCI-Related Neuropathic Pain on Multisensory Integration  
Roberta Vastano, PhD
- 90** Determinants of Days with Manageable Pain After SCI  
Eva Widerstrom-Noga, DDS, PhD
- 91** Balance Between Spinothalamic and Lemniscal Tract Preservation as a Crucial Aspect in Neuropathic Pain Development after Spinal Cord Injury  
Laura Heuthehaus, MSc

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# POSTERS

## WEDNESDAY, MAY 22, 2024

**92** The Synergistic Effect of Acute TBI and SCI on the Development of Chronic Pain: A Populational Cohort Study on 2389 Patients in Québec, Canada

Antoine Dionne, MS4

**93** Trial of Early Intervention with Transcutaneous Electrical Nerve Stimulation for the Prevention of Neuropathic Pain After Spinal Cord Injury

Elizabeth Felix, PhD

**94** Changes of Pain Cortices in Chronic Adults with SCI: The Underpinnings of the Resting State BOLD fMRI

Abdulaziz Alhussein, BA

**95** WITHDRAWN

### PATIENT/CAREGIVER EDUCATION

**96** WITHDRAWN

**97** WITHDRAWN

### PREVENTION

**98** Perceptions of Photovoice as a Virtual Fall Prevention and Management intervention after Spinal Cord Injury

Katherine Chan, MSc, RKin

**99** Effects of Lactobacillus Rhamnosusgg Bladder Wash Versus Saline Bladder Wash on Urinary Function and Bladder Symptom Burden in intermittent Catheter Users: Preliminary Results

Emily Leonard, PhD

**100** Passive Heat Therapy to Improve Cardiometabolic Health in Persons with A Spinal Cord Injury – A Case Series

Hannah Uhlig-Reche, MD, MPH

### PSYCHOSOCIAL

**101** Understanding The Impact of Screening Location on Depressive Symptom Scores Among Acute Traumatic and Non-Traumatic Patients with Spinal Cord Injury

Ramya Gopalan, MS, MPH

**102** Bladder and Bowel Dysfunction, Cognitive Appraisals of Disability, and Life Satisfaction in individuals with Pediatric-onset Spinal Cord Injury

Olivia Clark, MA

**103** A Qualitative Study on The Impact of Oral Health on Quality of Life: The Lived Experience of People with SCI

Jennifer Coker, PhD, MPH

**104** Longitudinal Satisfaction with Life Among individuals with Spinal Cord injury: A Multilevel Multiple indicator Multiple Cause Model

Elizabeth Pasipanodya, PhD

**105** Depression in Patients with Spinal Cord Injury

Lina María Rodríguez Vélez

### REHABILITATION

**106** Rehab in Rehab: A Prospective Analysis of The Effect of Substance Use Disorders on inpatient Rehabilitation for Traumatic Spinal Cord Injury

Shane Stone, MD

**107** Comparative Analysis Between Acute Phase and 30 Years of Evolution in People with Tetraplegia Due to Spinal Cord Injury: Clinical Cases

Diego Uberti, Neurorehabilitador

**108** Challenges in Virtual Healthcare for Patients with Disabilities

Joann Pan, BA

**109** Safety and Feasibility of Transcutaneous Spinal Cord Stimulation to Stabilize Blood Pressure for Acute inpatients with Spinal Cord Injury

Jorge Chavez, BS

**110** Changes in Cough Effectiveness Following 5-Days of Therapeutic Acute intermittent Hypoxia in Chronic SCI

Michela Mir, PhD CCC-SLP

**111** Title: Viral Myelopathy: A Rare Subset of Non-Traumatic Spinal Cord Dysfunction

Lisa Beck, APRN, CNS, MS

**112** Does Race/Ethnicity influence Epidemiology, Survival and Neurological Outcomes After Acute Traumatic Spinal Cord Injury?

Julio Furlan, MD, LLB, MBA, PhD, MSc, FRCPC, FAAN

**113** Presence, Descriptors, and Perceived Locations of SCI Related Painful Sensations During The First-Year Post-Injury

Laiba Afzal, MS

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# SCIENTIFIC MEETING

## POSTERS

### WEDNESDAY, MAY 22, 2024

#### REHABILITATION THERAPY

- 114** Variability in The Risk of Elbow Flexor Tendon Retraction in Tetraplegia Due to Spinal Cord Injury At C5, C6 and C7 Levels. Clinical Evidence of Neuromuscular Response to FES Stimulation.  
Diego Uberti, Neurorehabilitador
- 115** Reviving intimacy After Spinal Injury: Unveiling A Novel Approach to Enhance Sexual Participation in A Male Patient with Incomplete Spinal Injury  
Jane Alkhazov, PT, DPT, NCS
- 116** Walking Outcomes Enhanced By Use of A Novel Electrode Array for Transcutaneous Spinal Cord Stimulation and Gait-Based Therapies in Patients with Incomplete Spinal Cord Injury  
Elizabeth Neighbors, PT, DPT
- 117** WITHDRAWN

#### RESPIRATORY

- 118** Comparing Indirect Ventilatory Drive Outcomes in Chronic Spinal Cord Injury  
Tommy Sutor, MS, PhD
- 119** Mild intermittent Hypoxia Elicits Ventilatory Plasticity without Changes in Resting Blood Pressure  
Lexi Soltesz, Undergraduate Researcher
- 120** Improving Breathing After Spinal Cord Injury By Electrical Stimulation of Locomotor Circuits  
Ian Walling, BS

#### SCI KNOWLEDGE DISSEMINATION/IMPLEMENTATION INTO THE COMMUNITY

- 121** Case Report: Spinal Cord Injury Due to Ligamentum Flavum Buckling in a Transgender Ehlers-Danlos Patient  
Adam Haniff, MD
- 122** Bladder and Bowel Function in Adult Subjects with Spinal Cord Injury in Argentina  
Diego Uberti, Neurorehabilitador
- 123** What is the Status of Research Spinal Cord Injury in Latin America?  
Florencia Fernández, PhD
- 124** Healthcare Utilization in Veterans with Cervical Spinal Cord Injury: Defining The Opportunities for Dissemination of Treatment information  
Michael Berger MD, PhD

#### SENSORY STUDIES

- 125** Body Composition and Muscle Mass and Its Effect on Functional Activities of Males in Comparison to Females with Chronic Spinal Cord Injury  
Marjorie Morgan PTA; CLT

#### SEX/FERTILITY

- 126** Knowledge, Comfort, Approach and Attitude towards Sexuality Scale in Spinal Cord injured Population: Adaptation and Validation to Spanish Language  
Laura Ramirez Abadia, MD
- 127** Promoting Reproductive Health Equity After Spinal Cord Injury: Identifying Needs for Health Professional Training and Continuing Education  
Lauren Hall, MD

#### SKIN

- 128** Staged Chronic Wound Therapy with Use of Medical Maggot Therapy and Human Placental Extracellular Matrix injectate: A Case Study  
Colton Sauer, MD
- 129** The Feasibility of Admitting Patients to Acute Rehabilitation with Severe Pressure injuries  
Elizabeth Twist, MD

#### SPASTICITY

- 130** Development of a Virtual Teaching Tool for Support in The Application of Botulinum Toxin  
Daisy Falla Ramirez, PhD

#### SPINE SURGERY

- 131** The Surgical Enigma: Tracing Post-Surgical Guillain-Barré Syndrome  
Alwin David, MD
- 132** Efficacy of Postoperative Spine Orthosis in The Prevention of Fixation Failure after Surgery for Unstable Thoracolumbar Fractures  
Mark Prasarn, MD
- 133** Is Routine Use of External Spinal Orthoses Necessary after Operative Stabilization of Cervical Spine injuries?  
Mark Prasarn, MD
- 134** Utility of Augmented Reality and Virtual Reality in Spine Surgery  
Hasan Sumdani, MD

# POSTERS

## WEDNESDAY, MAY 22, 2024

### TRANSLATIONAL RESEARCH

- 135** Improving Bowel Function in Chronic Spinal Cord Injury with Noninvasive Spinal Cord Neuromodulation: Translational Advances  
Rahul Sachdeva, PhD
- 136** Targeting intraparenchymal Hemorrhage After SCI  
Antje Kroner, MD, PhD
- 137** The Concept of Positive Deviance Applied to Spinal Cord Injury Recovery - An Analysis of Medications Received By Patients Exhibiting A Phenomenal Recovery  
Lucie Bourguignon, MSc
- 138** Ethics, Access and Inclusion: Human Subjects Considerations for Spinal Cord Injury  
B. Jenny Kiratli, PhD

### UPPER EXTREMITY FUNCTION

- 139** Isn't It GRANND? Grasp-Release Assessment for A Networked Neuroprosthesis Device – A Clinical Trial Update  
Anne M. Bryden, PhD, OTR/L
- 140** Pilot Data to Develop A Multivariate Classification System for Upper Extremity Function and Participation Among People with Tetraplegia  
Ana Valeria Aguirre Guemez, MD
- 141** A Simplified Neuroprosthesis for Lateral Pinch in Cervical Spinal Cord Injury: Proof of Principle  
Megan Moynahan, MS

### UROLOGY

- 142** Chronic Electrical Stimulation to Reduce Bladder Hyperreflexia  
Mine Aydan Cenberoglu, MD
- 143** Urinary NADH Levels As A Biomarker for Bacterial Metabolic Activity and Bladder inflammation Among People with NLUTD  
Abigail Fox, BAc
- 144** Within Individual Urinalysis and Urine Culture Variation with Symptoms Among People with Neurogenic Lower Urinary Tract Dysfunction who use Indwelling Catheterization  
Christopher Riegner, BA

### WHEELCHAIR

- 145** Are AI-Based Conversational Agents A Reliable Support for Wheelchair Service Providers During The Selection of Appropriate Wheelchairs?  
Alberto Isaac Perez Sanpablo, DSc
- 146** Rotator Cuff Tendon Pathology Is Associated with Satisfaction with Life in Pediatric and Adult Manual Wheelchair Users with Spinal Cord Injury and Dysfunctions  
Shubhra Mukherjee, MD, FRCP(C)
- 147** Assessing The Quality of information for Patients on Wheelchair Services Provided By Conversational Agents Based on Artificial intelligence  
Alberto Isaac Perez Sanpablo, DSc

