

20
22



Annual Scientific Meeting

NEW ORLEANS ♦ LOUISIANA
MAY 18 – 20 • PRE-COURSE MAY 17





Jefferson
Thomas Jefferson University

College of Rehabilitation Sciences
is proud to congratulate

Mary Jane “MJ” Mulcahey
PhD, OTR/L, CPPC, CLCP, FASIA

**on receiving the American Spinal Injury
Association’s Lifetime Achievement Award**



▲ Dr. Mulcahey is Professor of Occupational Therapy and Director for the Center for Outcomes and Measurement in the Jefferson College of Rehabilitation Sciences at Thomas Jefferson University. She has over 30 years’ experience as an occupational therapy practitioner, educator and researcher. Her primary area of research is on development, validation and utilization of new and existing outcome measures of impairment, physical function, activity, and participation for children, youth and adults with spinal cord injury (SCI), and other chronic conditions.

The Center for Outcomes and Measurement within the Jefferson College of Rehabilitation Sciences develops, validates, advocates for, and utilizes measurement methodologies and outcome measures that generate meaningful and precise data that advances research and practice in rehabilitation sciences. The Center provide consultation for and training in the selection, administration, scoring and interpretation of measures. The Center also offers two graduate certificates in Life Care Planning and Coaching in Context.

LEARN MORE

Jefferson.edu/OutcomesMeasurement

Annual Scientific Meeting

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State of the Art Advances and Discoveries in Neurogenic Lower Urinary Tract Dysfunction (NLUTD)

The Rehabilitation Research and Training Center on Neurogenic Lower Urinary Tract Dysfunction is excited to host the 2022 ASIA Pre-conference, entitled: State of the Art Advances and Discoveries in Neurogenic Lower Urinary Tract Dysfunction (NLUTD)

DESCRIPTION

This pre-conference will bring together a diverse group of national leaders in NLUTD, including speakers representing PM&R, Urology, Infectious Diseases, Pediatrics, Bacteriology, Genomics, Biomedical Engineering and others. The emphasis of this pre-conference will be new and promising advances that are either used in practice now or are currently under investigation. The RRTC on NLUTD is a collaborative effort of MedStar National Rehabilitation Hospital, Georgetown University, The Institute for Rehabilitation Research (TI RR)/ University of Texas Health Science Center at Houston, and University of Pittsburgh Medical Center/Children’s Hospital of Pittsburgh and supported by the National Institute on Disability, Independent Living, and Rehabilitation Research.

AGENDA

Central Time Zone

8:00 AM - 8:05 AM

Opening Remarks
Suzanne Groah, MD, MSPH

8:05 AM - 9:05 AM

Medical and Surgical Advances in NLUTD

Moderator: Rose Khavari, MD

- Update on the AUA Guidelines for NLUTD - Michael Kennelly, MD
- Surgical Approaches to NLUTD in Adults - Yahir Santiago-Lastra, MD
- What’s New in Pharmacology - John Stoffel, MD
- Bladder Botox® Pros and Cons - Humphrey Atiemo, MD



9:05 AM - 10:00 AM

UTI Among People with NLUTD

Moderator: Ana Valeria Aguirre Guemez, MD

- Updates on the CDC CAUTI Guidelines - Matt Davis, MD
- Does Catheterization Technique Matter? - Matt Davis, MD
- Is UTI Complicated? - Suzanne Groah, MD, MSPH
- CAUTI: Infection Prevention and Unintended Consequences - Matt Davis, MD

10:00 AM - 10:15 AM

BREAK

10:15 AM - 12:15 PM

Neuromodulation Advances and Discoveries

Moderator: Argy Stampas, MD

- Opportunities for Neuromodulation in Neurogenic Bladder Management - Dennis Bourbeau, PhD
- Advances in TTNS After Spinal Cord Injury - Argy Stampas, MD
- A Solution to the Problem of Bladder Incontinence after SCI – Genital Nerve Stimulation - Steven Brose, DO
- Noninvasive Spinal Neuromodulation mitigates symptoms of Neurogenic Bladder - Parag Gad, PhD
- Noninvasive Brain Stimulation for Neurogenic Bladder - Rose Khavari, MD

12:15 PM - 1:15 PM

LUNCH

1:15 PM - 2:15 PM

Across the Translational Spectrum

Moderator: Suzanne Groah, MD

- The Urobiome in Health and Disease - Alan Wolfe, PhD
- Measurement Across the Translational Spectrum - Shashwati Geed, PT, PhD
- Animal Models of UTI and Urinary Symptoms - Katie Forster, MD

2:15 PM - 3:15 PM

Good Bugs, Bad Bugs

Moderator: Suzanne Groah, MD

- Lactobacillus as an Antibiotic Sparing Therapeutic - Suzanne Groah, MD
- Bacteriophage as an Antibiotic Sparing Therapeutic - Barbara Trautner, MD, PhD

3:15 PM - 3:30 PM

BREAK

3:30 PM - 4:30 PM

Technology

Moderator: Inger Ljungberg, MPH

- Next Gen Neuromodulation for Overactive Bladder – Potential for Neurogenic Lower Urinary Tract Symptoms - Howard Goldman, MD
- Using Lube to our Advantage - Shantha Sarangapani, PhD/ iCET inc
- IntelliFlow – Remote Controlled Bladder Emptying for Men with Urinary Retention - Derek Herrera
- Glean Urodynamics System – Wireless, Catheter-Free, Urodynamic Monitoring - Derek Herrera
- The Aurie System: Using Automated Safe Reuse of No-Touch Catheters to Enable Improved Outcomes and Remote Patient Monitoring - Souvik Paul and Daniel Wollin, MDo
- Bladder Check App: A Consumer Friendly App Created from Patient-Centered, Patient-Reported Outcomes on Urinary Symptoms - Mandy Rounds, PhD

5:00 PM - 7:00 PM

Welcome Reception

PRE-COURSE ONE
SUPPORTED BY



Healthcare Provider’s Challenges When Caring for Individuals with SCI: A Comprehensive Approach

DESCRIPTION

This is a collaborative one-day workshop will be developed among members of three AISA committees (Americans, Health Policy Advocacy and Primary Care) to help alleviate gaps and improve equity in the delivery of primary care and SCI care of persons with SCI. The target audience for this workshop includes community providers who care for persons with SCI but have not had formal training in SCI management. The committees have reviewed multiple data bases related to information sought by non-SCI medicine specialists who provide care for persons with SCI in the community.

AGENDA

Central Time Zone

8: 00 AM - 8:05 AM

Introduction (5 minutes) – Isaac Hernandez-Jimenez, MD

COURSE CODIRECTORS

- Lisa Beck, MS, APRN, CNS
- Philippines Cabahug, MD
- Camilo Castillo, MD, MBA
- Matthew Davis, MD
- Isaac Hernandez-Jimenez, MD
- Melina Longoni, MD



Spinal Cord Patients are Different – Here’s Why.

8:05 AM - 9:05 AM (20 minutes each)

- Neurogenic Bowel - Lisa Beck, MS, APRN, CNS
- Neurogenic Bladder - Lance Goetz, MD
- Neurogenic Skin - Isa Mclure, MAPT
- Q&A

9:10 AM - 10:10 AM

- Spasticity/Neuropathic Pain - Philippines Cabahug, MD
- Sexual Health - Melina Longoni, MD
- AD - Jill Wecht, EdD
- Q&A

10:10 AM - 10:25 AM BREAK

10:25 AM - 11:25 AM

- Unique Needs of Children and Adolescents with SCI - Kathy Zebracki, PhD
- Continuity of Care in Chronic SCI and Geriatric Care in Individuals with SCI - Natacha Leon, MD
- Guideline Checklist - Philippines Cabahug, MD; Lisa Beck, MS, APRN, CNS
- Q&A

Rehab and Technology – Rehab Standards and Education Committee

11:30 AM - 12:30 PM

- Technologies and Treatments for Mobility and Self-Care - Alan Anshel, MD
- To Provide Updates Regarding Therapies for Persons with SCI – ASIA Rehab Standards Committee - Andreane Richard-Denis, MD
- WC Seating and Prescription - Maryam Berri, MD
- Orthotics/Splints - Amy Bohn, OTR/L
- Q&A

12:30 PM - 1:15 PM LUNCH

This is How They are Cared for in the US and Elsewhere (1 hour)

1:15 PM - 2:15 PM

- Nurse Navigator - Camilo Castillo, MD, MBA
- “Home Health” - Isaac Hernandez-Jimenez, MD; Beatriz Perez, MD
- Telehealth and Other Strategies - Susan Newman, PhD, RN, CRRN; Rita Hamilton, DO
- Q&A

Policy/Advocacy

2:15 PM - 3:15 PM

- Access/Social Justice - Anne Bryden, PhD, OTR/L; Jamie Milligan, MD
- Why do Research/Pro Tips for the Non-SCI Specialists (Outcomes, Databases) - Ricardo Battagliano, PhD
- Q&A

3:15 PM - 3:30 PM BREAK

Workshops

3:30 PM - 5:30 PM

- ISNCSCI - Rudiger Rupp, PhD
- CAUTI: Infection Prevention and Unintended Consequences - Matthew Davis, MD
- Panel Discussion: Providers (SCI and Non SCI Specialists, Persons with SCI, Stakeholders) - Kim Anderson-Erisman, PhD; Cody Unser; James Milligan, MD; Marcelo Ullua; Josefina Martinez
- Attendee and Faculty Discussion: Develop Action Plan to Address Issues Identified Today - Isaac Hernandez-Jimenez, MD; Camilo Castillo, MD, MBA; Melina Longoni, MD; Matthew Davis, MD; Lisa Beck, MS, APRN, CNS; Philippines Cabahug, MD

5:00 PM - 7:00 PM

Welcome Reception

TUESDAY ♦ MAY 17TH ♦ 2022 ASIA ANNUAL SCIENTIFIC MEETING

5:00 PM - 7:00 PM ♦ WELCOME RECEPTION ♦



WEDNESDAY ♦ MAY 18TH ♦ 2022 ASIA ANNUAL SCIENTIFIC MEETING *continued*

Central Time Zone LOUISIANA BALLROOM FELICIANA LA FOURCHE ST. LANDRY TERREBONNE

6:30 AM - 6:00 PM Registration

7:00 AM - 8:00 AM Breakfast with Exhibitors & Partners ♦ Mentor Mentee Breakfast

8:00 AM - 8:30 AM Welcome and Opening Remarks



Andrei Krassioukov, MD, PhD, FRCPC
ASIA President 2019 - 2022
ICORD-BCSS, UBC GF Strong Rehabilitation Centre
Vancouver, Canada



Suzanne Groah, MD, MSPH
ASIA President-Elect
Director - SCI Rehabilitation and Recovery Program
at Medstar National Rehabilitation Hospital
at Georgetown, Washington DC

8:30 AM - 9:00 AM Lifetime Achievement Award



MJ Mulcahey, PhD, OTR/L, CPPC, CLCP, FASIA
Professor, Department of Occupational Therapy, Jefferson College of Rehabilitation Sciences
Professor, Department of Rehabilitation Medicine, Sidney Kimmel Medical College
Director, Center for Outcomes and Measurement - Jefferson College of Rehabilitation Medicine

9:00 AM - 9:45 AM Sell Lecture: Translational Insights and Initiatives in Acute Spinal Cord Injury



Brian K. Kwon, MD, PHD, FRCSC
Professor, Department of Orthopaedics, Faculty of Medicine, University of British Columbia
Spine Surgeon, Vancouver Spine Program, Vancouver General Hospital
Dvorak Chair in Spine Trauma • Associate Director, Clinical Research, ICORD
Director, Vancouver Spine Research Program

9:45 AM - 10:25 AM Posters Session 1 (Posters 1-20) / Break with Exhibitors and Partners

10:25 AM - 10:55 AM Exhibitor / Partner Recognition of Our Generous Conference Supporters

10:55 AM - 11:15 AM ♦ FELLOW OF ASIA (FASIA) AWARDS ♦



James D. Guest, MD, PhD, FACS
Clinical Professor, Dept. of Neurological Surgery
The Miami Project to Cure Paralysis



Andrei Krassioukov, MD, PhD, FRCPC
ASIA President 2019 - 2022
ICORD-BCSS, UBC GF Strong Rehabilitation Centre
Vancouver, Canada



Mark S. Nash, PhD, FACSM
Associate Scientific Director for Research, The Miami Project
Vice-Chair for Research, Dept. of Physical Medicine & Rehabilitation
Professor, Departments of Neurological Surgery & Physical Medicine & Medicine and Physical Therapy



Gregory Nemunaitis, MD
Director of SCI Rehabilitation
The Cleveland Clinic
CWRU/MetroHealth Medical Center



Ruediger Rupp, PhD
Heidelberg University Hospital - Spinal Cord Injury Center
Heidelberg, Germany

continued

WEDNESDAY ♦ MAY 18TH ♦ 2022 ASIA ANNUAL SCIENTIFIC MEETING *continued*

C O N F E R E N C E P R O G R A M

Central Time Zone	LOUISIANA BALLROOM	FELICIANA	LA FOURCHE	ST. LANDRY	TERREBONNE
11:15 PM - 11:25 PM	Stretch Break / Transfer to Next Session				
11:25 AM - 12:25 PM	COURSE 1 Unaddressed Technology Needs of People Living with High Tetraplegia	GENERAL SESSION 1 Clinical Decision-Making in the Acute Care Setting... Up Your Game!	COURSE 2 Promoting Recovery from Spinal Cord Injury by Pairing Rehabilitation with Vagus Nerve Stimulation	COURSE 3 Systematic Reviews in Spinal Cord Injury Rehabilitation	INTERACTIVE SESSION Do I Examine Correctly? Pitfalls and Common Mistakes of ISNCSCI Exams (International Standards & Education Committees). In Person Only. Limited Registration!
12:25 PM - 1:25 PM	 Lunch Sponsored by Aneuvo				
1:25 PM - 2:25 PM	COURSE 4 Opening the Gate: Activating the Sensory System to Prime Motor Restoration, Reduce Pain, and Manage Spasticity	GENERAL SESSION 2 Lived Experiences: Providers, Survivors, and Decision-Making Drivers 2.0	COURSE 5 Translating Positive Results with NVG-291 from Animals to Patients	COURSE 6 Epidural and Transcutaneous Spinal Stimulation: When, How, and What...	
2:25 PM - 2:35 PM	Stretch Break / Transfer to Next Session				
2:35 PM - 4:05 PM	COURSE 7 Development of a Performance Based Outcome Assessment for SCI Clinical Trials Using Item Response Theory	GENERAL SESSION 3 Health and Well-Being over the Lifespan	COURSE 8 Cardiac Function following SCI: A Translational Perspective	COURSE 9 Leadership Skills in the Digital Age: Leveraging Social Media for Scientific Knowledge Dissemination and Networking	INTERACTIVE SESSION Gems of ISNCSCI - Interactive Classification of Challenging ISNCSCI Cases (International Standards & Education Committees) In-Person Only Limited Registration!
4:05 PM - 4:45 PM	Posters Session 2 (Posters 21-41) / Stretch Break / Transfer to Next Session				
4:45 PM - 5:15 PM	♦ ASIA MEMBERSHIP MEETING WITH REFRESHMENTS ♦ (for active/current members only)				









continued


Central Time Zone	LOUISIANA BALLROOM	FELICIANA	LA FOURCHE	ST. LANDRY	TERREBONNE	
6:30 AM - 6:00 PM	Registration					
7:00 AM - 8:00 AM	Breakfast with Exhibitors and Partners					
8:00 AM - 8:30 AM	Anthony F. DiMarco Lectureship - Anthony F. DiMarco, MD 1. Restoration of Expiratory Muscle Function to Restore Bowel Function 2. Introduction to the New Annual ASIA Anthony F DiMarco Lectureship: Mission and Goals					
8:30 AM - 9:45 AM	Awards-Eligible Oral Presentations 1. Genomic Biomarkers for Recurrent Pressure Injury Risk in Persons with Spinal Cord Injury 2. Is it Safe to Start Activity-Based Therapy within 72h of Traumatic Spinal Cord Injury? Interim Results from the PROMPT-SCI Trial 3. Elevated Circulating Endothelial Microvesicles with differentially expressed miRNA Cargo in Spinal Cord Injury 4. Do CAUTI Reduction Strategies provide a Net Benefit for SCI Patients? Trends in Emergency Department Utilization, 2012-2017 5. Reliability and Validity of the Assessment of Trunk Control in Pediatric Subjects with Spinal Cord Injury using Smartphones. 6. Ambulation - A Web-Based Walking Prediction Tool for Traumatic Spinal Cord Injury					
9:45 AM - 10:15 AM	Contralaterally Controlled Functional Electrical Stimulation – An Innovative Upper Extremity Therapy - Jayme Knutson, PhD Moderator: Raymond P. Onders MD					
10:15 AM - 11:15 AM	Posters Session 3 (Posters 42-63) / Break with Exhibitors and Partners					
11:15 AM - 12:15 PM	COURSE 10 Adaptation of an Activity-Based Therapy Program: Providing Telehealth to Patients with Neurological Disorders during the COVID-19 Pandemic	GENERAL SESSION 4 Autonomic Nervous System: Bridging Standards to Real World Applications. Are you using them?	TRIP	COURSE 11 Is Bone Loss in Spinal Cord Injury a Vascular Issue? A Bench to Bedside Perspective	INTERACTIVE SESSION Opening the DME Catalog and Explaining How to use it (Rehab Standards Committee) In-Person Only Limited Registration!	INTERACTIVE SESSION Gems of ISNCSCI - Interactive Classification of Challenging ISNCSCI Cases (International Standards & Education Committees) In-Person Only Limited Registration!
12:15 PM - 1:15 PM	 Lunch with Exhibitors and Partners Sponsored by ONWARD					
1:15 PM - 2:15 PM	COURSE 12 Considering Nerve Transfers to Restore Upper Extremity Function – Best Practices and Outcomes	GENERAL SESSION 5 Predictive Metrics: When Patients Ask Us the Crystal Ball. Questions.	TRIP	COURSE 13 Translational Studies of Inflammation and Related Biomarkers after Spinal Cord Injury ● Click Here for Abstract	INTERACTIVE SESSION Botulinum Toxin Barbie Billing (Rehab Standards Committee) In-Person Only Limited Registration!	INTERACTIVE SESSION SCI TRIALS finder Updates In-Person Only Limited Registration!

continued

THURSDAY ♦ MAY 19TH ♦ 2022 ASIA ANNUAL SCIENTIFIC MEETING *continued*

Central Time Zone	LOUISIANA BALLROOM	FELICIANA	LA FOURCHE	ST. LANDRY	TERREBONNE
2:15 PM - 2:20 PM	Stretch Break / Transfer to Next Session				
2:20 PM - 2:40 PM	 SpineX Presentation: Retraining the Brain and Spinal Cord after Paralysis - Parag Gad, PhD, Cofounder & CEO, SpineX Inc.				
2:40 PM - 2:45 PM	Stretch Break / Transfer to Next Session				
2:45 PM - 3:45 PM	COURSE 14 SCI Community Engagement in Research	GENERAL SESSION 6 Cardiovascular and Physical Health: The Science of Community-Based Exercise	 COURSE 15 Lost in Translation (Research Committee of ASIA) (85 minute session)	COURSE 16 Inflammatory Myelopathy: Current Concepts and Challenges	INTERACTIVE SESSION Do I examine correctly? Pitfalls and Common Mistakes of ISNCSCI exams (International Standards & Education Committees) In-Person Only Limited Registration!
3:45 PM - 4:15 PM	Refreshment Break with Exhibitors and Partners				
4:15 PM - 5:45 PM	COURSE 17 Adaptive Clothing for People with Spinal Cord Injury: Where Function Meets Fashion	GENERAL SESSION 7 Community-Based Resources, Reintegration, and Regulation. What you Need to Know	 COURSE 18 Stem Cells in Spinal Cord Injury: Past, Present and Future (SCOPE)	INTERACTIVE SESSION Medical Legal Assessments and Life Care Planning: Ethics, Methodology, and Examples for the Practitioner In-Person Only Limited Registration!	
5:45 PM - 6:15 PM	♦ FASHION SHOW ♦				
6:30 PM - 8:30 PM	♦ PRESIDENTS RECEPTION ♦ Hosted by President Suzanne Groah, MD, MSPH		 225 Decatur Street New Orleans		

continued

 **Translational Research to Inform Practice (TRIP)** Sessions focus on bench to bedside to bench translational research with a problem/system focus, and include a basic science and/or pre-clinical researcher AND a clinician and/or clinical researcher as session presenters.

FRIDAY ♦ MAY 20TH ♦ 2022 ASIA ANNUAL SCIENTIFIC MEETING continued

C O N F E R E N C E P R O G R A M

Central Time Zone	LOUISIANA BALLROOM	FELICIANA	LA FOURCHE	ST. LANDRY	TERREBONNE
6:30 AM - 6:00 PM	Registration				
7:00 AM - 8:00 AM	Breakfast				
8:00 AM - 9:00 AM	Awards Session • Neilsen Foundation Allied Health Professional Research Award of ASIA • Apple Award • Vogel Award • Mulcahey Award • TRoHNS Award • Anthony DiMarco Award • Top 3 Oral Talk Awards • Top 3 Poster Awards • Early Career Awards				
9:00 AM - 9:10 AM	Stretch Break / Transfer to Next Session				
9:10 AM - 10:10 AM	COURSE 19 Outcome Measurement following Spinal Cord Injury	COURSE 20 Percutaneous Epidural Stimulation for Motor Control, Autonomic Nervous System and Cardiovascular Profile Adaptions and after Spinal Cord Injury	TRIP COURSE 21 Targeting the Corticospinal Tract for Functional Restoration after Spinal Cord Injury	INTERACTIVE SESSION Basic Science and Clinical Research Data Sharing in Spinal Cord Injury: Practical Guidance and Consideration for the ODC-SCI In-Person Only Limited Registration!	INTERACTIVE SESSION Do I examine correctly? Pitfalls and Common Mistakes of ISNCSCI exams (International Standards & Education Committees) In-Person Only Limited Registration!
10:10 AM - 10:30 AM	Coffee Break				
10:30 AM - 11:30 AM	COURSE 22 Leading Urinary Tract Infection Health Indicator Implementation & Evaluation within a Learning Health System	COURSE 23 "They know. They've lived it." Voices of Experience Video Series – A New Prescription for the Newly Injured	TRIP COURSE 24 What do we need to Learn to Take Full Advantage of Spinal Electrical Stimulation to Improve Functions Lost or Impaired by SCI?		INTERACTIVE SESSION Gems of ISNCSCI - Interactive Classification of Challenging ISNCSCI Cases (International Standards & Education Committees) In-Person Only Limited Registration!
11:30 AM - 11:40 AM	Stretch Break / Transfer to Next Session				
11:40 AM - 12:40 PM	COURSE 25 The Challenges of Consistent and Reliable ISNCSCI Assessments – Experiences from the European Multicenter Study about Spinal Cord Injury (EMSCI)	COURSE 26 Trunk Control in Spinal Cord Injury: from Evaluation to Intervention	TRIP COURSE 27 Spinal Cord Stimulation for Autonomic Recovery Following Spinal Cord Injury: From Mechanisms to Clinical Practice		
12:40 PM	Conclusion				



2022 ASIA INTERACTIVE SESSIONS

IN-PERSON ONLY

Interactive Session	Day of Week	Moderators / Presenters
Do I Examine Correctly? Pitfalls and Common Mistakes of ISNCSCI Exams (International Standards & Education Committees)	Wednesday, Thursday and Friday	Presenter: Mary Schmidt Read, PT, DPT, MS
Gems of ISNCSCI - Interactive Classification of Challenging ISNCSCI Cases (International Standards & Education Committees)	Wednesday, Thursday and Friday	Presenters: Prof. Dr.-Ing. Rüdiger Rupp, Steven Kirshblum, MD and Stephen Burns, MD
Opening the DME Catalog and Explaining How to use it (Rehab Standards Committee)	Thursday	Presenter: Allison Kessler, MD
Botulinum Toxin Barbie Billing (Rehab Standards Committee)	Thursday	Presenter: Maryam Berri, MD
Medical Legal Assessments and Life Care Planning: Ethics, Methodology, and examples for the Practitioner	Thursday	Presenter: Maureen Miner, MD
SCI TRIALS finder Updates	Thursday	Presenter: Dr. Paulina Scheuren
Basic Science and Clinical Research Data Sharing in Spinal Cord Injury: Practical Guidance and Consideration for the ODC-SCI	Friday	Moderators: Jae K. Lee, PhD and Kenneth Fond, BS Presenters: John Gensel, PhD and Jae K. Lee, PhD



2022 ASIA COURSES

WEDNESDAY ♦ MAY 18TH

■ [Click here for Course Abstracts](#)

Course	Moderator	Presenters
COURSE 1 Unaddressed Technology Needs of People Living with High Tetraplegia	Anne Bryden, PhD, OTR/L	Eric Schearer, PhD Anne Bryden, PhD, OTR/L Tyler Petrie, BS Steve Polakowski
COURSE 2 TRIP Promoting Recovery from Spinal Cord Injury by Pairing Rehabilitation with Vagus Nerve Stimulation	Rita Hamilton, DO	Michael Kilgard, PhD Seth Hays, PhD Chad Swank, PhD Rita Hamilton, DO
COURSE 3 Systematic Reviews in Spinal Cord Injury Rehabilitation	Catharine Craven, MD	Mohammad Alavinia, PhD Catharine Craven, MD Mohammadreza Amiri, PhD
COURSE 4 Opening the Gate: Activating the Sensory System to Prime Motor Restoration, Reduce Pain, and Manage Spasticity	Edelle Field-Fote, PT, PhD, FASIA	Edelle Field-Fote, PT, PhD, FASIA Eva Widerström-Noga, DDS, PhD Marlon Wong, PT, PhD
COURSE 5 TRIP Translating Positive Results with NVG-291 from Animals to Patients	Daniel D Mikol MD PhD	Jerry Silver PhD Monica Perez PT PhD James Guest MD PhD FACS
COURSE 6 Epidural and Transcutaneous Spinal Stimulation: When, How, and What...	Ron Reeves, MD	Ann Parr, MD, PhD Jill Wecht, EdD Megan Gill, DPT
COURSE 7 Development of a Performance Based Outcome Assessment for SCI Clinical Trials Using Item Response Theory	MJ Mulcahey, PhD, OTR/L, FASIA	MJ Mulcahey, PhD, OTR/L, FASIA Rachel Kim, OTD, OTR/L Daniel Graves, PhD, MEd Namrata Grampurohit, PhD, OTR/L
COURSE 8 TRIP Cardiac Function following SCI: A Translational Perspective	Christopher West, PhD	Andrei Krassioukov, MD, PhD, FRCPC Liisa Wainman, MSc Shane Balthazaar, PhD Aaron Phillips, PhD
COURSE 9 Leadership Skills in the Digital Age: Leveraging Social Media for Scientific Knowledge Dissemination and Networking	Jennifer Coker, PhD, MPH	Jennifer Coker, PhD, MPH David McMillan, PhD Gary J Farkas, PhD Amanda Rounds, PhD

continued

THURSDAY ♦ MAY 19TH *continued*

Course	Moderator	Presenters
COURSE 10 Adaptation of an Activity-Based Therapy Program: Providing Telehealth to Patients with Neurological Disorders during the COVID-19 Pandemic	Rebecca Martin, OTR/L, OTD	Quyen Catania, PT, DPT, CWS, CLT, NCS Kristin Sternowski PT, DPT, NCS Brooke Reeves, OTD
COURSE 11 TRIP Is Bone Loss in Spinal Cord Injury a Vascular Issue? A Bench to Bedside perspective	Adina E. Draghici, PhD	Ryan Solinsky, MD Rhonda Prisby, PhD Adina E. Draghici, PhD
COURSE 12 Considering Nerve Transfers to Restore Upper Extremity Function – Best Practices and Outcomes	Ida Fox MD	Mike Berger, MD Jana Dengler MD, MSc Emily Krauss MD, MSc
COURSE 13 TRIP Translational Studies of Inflammation and Related Biomarkers after Spinal Cord Injury	Ona Bloom, PhD	Ona Bloom, PhD Ricardo Battaglino, PhD Jae Lee, PhD; John Gensel, PhD
COURSE 14 SCI Community Engagement in Research	Barry Munro, B.A., LLB	Barry Munro, B.A., LLB Femke Hoekstra, PhD Jennifer French
COURSE 15 TRIP Lost in Translation (Research Committee of ASIA) (85 minute session)	Laura Krisa, PhD	Laura Krisa, PhD Alexander “Sasha” Rabchevsky, PhD Keith Tansey, MD, PhD Timothy Faw, PT, DPT, PhD Kristine Cowley, PhD
COURSE 16 Inflammatory Myelopathy: Current Concepts and Challenges	Brittany Snider, DO	Ronald Reeves MD Candy Tefertiller, PT, DPT Cristina Sadowsky, MD Christina Oleson, MD
COURSE 17 Adaptive Clothing for People with Spinal Cord Injury: Where Function meets Fashion	Andrei Krassioukov, MD, PhD, FRCPC	Susan Forwell; Chloe Angus Grace Jun; Teri Thorson Mehala Kuwica; Wilson Wong
COURSE 18 TRIP Stem Cells in Spinal Cord Injury: Past, Present and Future (SCOPE)	Linda Jones, PT, PhD	James Guest, MD, PhD, FACS Ed Wirth, MD, PhD Aileen Anderson, PhD Mark Tuszynski, MD, PhD

continued

2022 ASIA COURSES

FRIDAY ♦ MAY 20TH *continued*

Course	Moderator	Presenters
COURSE 19 Outcome Measurement following Spinal Cord Injury	Allen Heinemann, PhD	Allen Heinemann, PhD Linda Ehrlich-Jones, RN, PhD
COURSE 20 Percutaneous Epidural Stimulation for Motor Control, Autonomic Nervous System and Cardiovascular Profile Adaptions and after Spinal Cord Injury	Ashraf S. Gorgey, MPT, PhD	Ashraf S. Gorgey, MPT, PhD Jacob Goldsmith, PhD Tommy W. Sutor, PhD
COURSE 21 TRIP Targeting the Corticospinal Tract for Functional Restoration after Spinal Cord Injury	Monica A. Perez, PT, PhD	Monica A. Perez, PT, PhD Mark H. Tuszynski, MD John (Jack) Martin, PhD Patrick Freund, MD, PhD
COURSE 22 Leading Urinary Tract Infection Health Indicator Implementation & Evaluation within a Learning Health System	Catharine Craven, BA, MD, Msc, FRCPC, FASIA, FCAHS	Farnoosh Farahani, HBSc Mohammad Alavinia, MSc, MPH, PhD Cathy Craven, BA, MD, Msc, FRCPC, FASIA, FCAHS
COURSE 23 "They know. They've lived it." Voices of Experience Video Series – A New Prescription for the Newly Injured	Thea Flaum, BA	Thea Flaum, BA Allen Heinemann, PhD Steven Kirshblum, MD Susan Charlifue, PhD, FISCOs, FASIA, FACRM Stephanie Lollino
COURSE 24 TRIP What do we need to Learn to take Full Advantage of Spinal Electrical Stimulation to Improve Functions Lost or Impaired by SCI?	Linda Jones, PT, PhD	Noam Y. Harel, MD, PhD Jeremy Chopek, PhD Kristine Cowley, PhD
COURSE 25 The Challenges of Consistent and Reliable ISNCSCI Assessments – Experiences from the European Multicenter Study about Spinal Cord Injury (EMSCI)	Rüdiger Rupp, PhD	Rüdiger Rupp, PhD Christian Schuld, Msc Laura Heutheaus, Msc, PT Steffen Franz, MD
COURSE 26 Trunk Control in Spinal Cord Injury: from Evaluation to Intervention	Jimena Quinzaños	Jimena Quinzaños Ana-Valeria Aguirre-Güemez Alberto-Isaac Pérez-SanPablo
COURSE 27 TRIP Spinal Cord Stimulation for Autonomic Recovery Following Spinal Cord Injury: From Mechanisms to Clinical Practice	Andrei Krassioukov, MD, PhD, FRCPC	Andrei Krassioukov, MD, PhD, FRCPC Tamila Kalimullina Claire Shackleton Soshi Samejima

WEDNESDAY ♦ MAY 18TH

■ [Click here for General Session Abstracts](#)

Oral Presentations	Moderator	Presenters
<p>GENERAL SESSION 1 Clinical Decision-Making in the Acute Care Setting... Up Your Game!</p>	<p>Isaac Jimenez Hernandez, MD</p>	
<p>Pediatric Traumatic Spinal Cord Injury in the United States: A National Inpatient Analysis</p>		<p>James Crispo, MSc, PhD</p>
<p>What The Literature Tells Us About Drugs Used in Acute Care Following Spinal Cord Injury</p>		<p>Lucie Bourguignon, MSc</p>
<p>Toward Macrostructural and Microstructural Investigation of the Cervical Spinal Cord Through Quantitative Analysis of T2-weighted And Diffusion-Weighted Imaging</p>		<p>Maryam Tavakol Elahi, Ph.D. Candidate</p>
<p>Expansile Duraplasty Improves Motor Outcomes After Acute Traumatic Spinal Cord Injury</p>		<p>Emily Robinson, BS</p>
<p>Comprehensive Modeling and Evaluation of Spinal Cord Injury Recovery</p>		<p>Catherine Jutzeler, PhD</p>
<p>Diffusion Tensor Imaging Assessment of White Matter Tract Changes in Pediatric Subjects With and Without Spinal Cord Injury Using Atlas-Based Approach</p>		<p>Laura Krisa, PhD</p>
<p>GENERAL SESSION 2 Lived Experiences: Providers, Survivors, and Decision-Making Drivers 2.0</p>	<p>Gary Farkas, PhD</p>	
<p>Barriers Seeking Recovery Interventions Throughout the First Year After SCI: Persons with SCI and Their Support Persons</p>		<p>Anne Bryden, PhD, OTR/L</p>
<p>ReInventing Yourself after SCI: A Multi-Site Randomized Controlled Trial Protocol of a Peer-Facilitated Intervention to Improve Outcomes</p>		<p>Jennifer Coker, PhD</p>
<p>Surviving the Effects of Radiation: A Look at Chronic Cancer Survivors with Incomplete Spinal Cord Injuries Due to Radiation Fibrosis Syndrome</p>		<p>Mari Ferry, PT DPT</p>
<p>A Multimodality Intervention to Improve Aerobic Capacity, Body Composition, Function and Metabolism in Spinal Cord Injury: Rationale and Study Design</p>		<p>Kieran Reid, PhD, MPH</p>
<p>Definitions of Recovery and Reintegration Across the First Year Post-SCI: Persons with SCI and Support Persons</p>		<p>Kim Anderson, PhD</p>
<p>PedsQL™ Spinal Cord Injury Module: Reliability and Validity</p>		<p>Kathy Zebracki, PhD</p>
<p>GENERAL SESSION 3 Health and Well-Being over the Lifespan</p>	<p>Rita Hamilton, DO</p>	
<p>Utilization of Diaphragm Pacing During the COVID-19 Pandemic: Decreasing Respiratory Insufficiency and Mechanical Ventilation</p>		<p>Raymond Onders, MD</p>
<p>Interactive Visualization for Understanding Emotional Wellbeing Quality Improvement Data and Outcomes</p>		<p>Mohammadreza Amiri, BA, MSc, PhD</p>

continued

2022 ASIA GENERAL SESSIONS

WEDNESDAY ♦ MAY 18TH *continued*

Oral Presentations	Moderator	Presenters
GENERAL SESSION 3 Health and Well-Being over the Lifespan	Rita Hamilton, DO	
Untreated Moderate-To-Severe Sleep-Related Breathing Disorders May Aggravate Spasticity in Individuals Living with Spinal Cord Injury: Preliminary Data from A Cross-Sectional Study Including a Feasibility Study on a Home-Based or Hospital-Unattended Screening Test		Julio Furlan, MD, LLB, MBA, PhD, MSc, FRCPC, FAAN
A Pilot Intervention to Improve Health and Well-Being in Young Adults with Pediatric Onset Spinal Cord Injury Compared to Controls		Alicia January, PhD
Preliminary Results from A Cross-Sectional Study on Screening Methods for Sleep-Related Breathing Disorders Among Individuals Living with Spinal Cord Injury		Julio Furlan, MD, LLB, MBA, PhD, MSc, FRCPC, FAAN
Dose Effect of Norepinephrine Precursor (Droxidopa) on Blood Pressure and Cerebral Blood Flow Velocity in Hypotensive Individuals with Spinal Cord Injury		Jill Wecht, EdD
The Biological Limits of Neurorecovery After Spinal Cord Injury: Is There a Proportional Recovery Rule for Spinal Cord Injuries?		Gustavo Balbinot, PhD
A Systematic Review of Cardiovascular Effects of Spinal Cord Stimulation: Modulating the Highs and Lows		Marco Law, MASC, Beng
The Impact of Older Age on Care Pathway Following ASIA Impairment Scale Grade D Traumatic Spinal Cord Injury (tSCI)		Antoine Dionne, MD (c), MSc

THURSDAY ♦ MAY 19TH

Oral Presentations	Moderator	Presenters
AWARD ELIGIBLE ORAL PRESENTATIONS	Edelle Field-Fote, PT, PhD, FAPTA, FASIA	
1. Genomic Biomarkers for Recurrent Pressure Injury Risk in Persons with Spinal Cord Injury		Kath Bogie, D.Phil
2. Is it Safe to start Activity-Based Therapy within 72h of Traumatic Spinal Cord Injury? Interim Results from the PROMPT-SCI Trial		Antoine Dionne, MD (c), MSc (c)
3. Elevated Circulating Endothelial Microvesicles with Differentially Expressed miRNA Cargo in Spinal Cord Injury		Andrew Park, MD
4. Do CAUTI Reduction Strategies provide a net Benefit for SCI Patients? Trends in Emergency Department Utilization, 2012-2017		Matthew Davis, MD
5. Reliability and Validity of the Assessment of Trunk Control in Pediatric Subjects with Spinal Cord Injury using Smartphones		Alberto Isaac Perez SanPablo, DSc
6. Ambulation - A Web-Based Walking Prediction Tool for Traumatic Spinal Cord Injury		Heather Hong, PhD

continued

THURSDAY ♦ MAY 19TH *continued*

Oral Presentations	Moderator	Presenters
GENERAL SESSION 4		
Autonomic Nervous System: Bridging Standards to Real World Applications. Are you Using Them?	Monica Perez, PT, PhD	
German validation of the revised 2021 International Standards to Document Remaining Autonomic Function Following Spinal Cord Injury (ISAFSCI 2.0): Inter-rater- and intra-rater Reliability of the Thermoregulation and Sudomotor Section		Matthias Walter, MD, PhD, FEBU
German validation of the revised 2021 International Standards to Document Remaining Autonomic Function Following Spinal Cord Injury (ISAFSCI 2.0): Inter-rater- and intra-rater Reliability of the Bladder, Bowel and Sexual Function Section		Matthias Walter, MD, PhD, FEBU
Correlation of Cutaneous Sweating and Active Vasodilation Responses During Passive Heat Stress in Persons with Spinal Cord Injury		Michelle Trbovich, MD
Are Local Analgesics Effective for Reducing the Severity of Autonomic Dysreflexia after Spinal Cord Injury?		Tamila Kalimullina, BSc
Construct Validation of the International Standards to Document Remaining Autonomic Function after Spinal Cord Injury (ISAFSCI, 2012 1st Edition)		Ross A Davidson, MD
Neuromodulation to Evoke Bowel Emptying After SCI		Dennis Bourbeau, PhD
GENERAL SESSION 5		
Predictive Metrics: When Patients Ask Us the Crystal Ball Questions	Allison Kessler, MD	
How Does Older Age Influence Rehabilitation Outcomes Following Functional Motor-Incomplete Traumatic Spinal Cord Injury?		Antoine Dionne, MD (c), MSc (c)
Profiling The Spectrum of Stepping Force Responses to Neuromodulation in Motor Incomplete SCI: Relating Effects on Different Gait Phases to Stimulation Frequency Responses		Keith Tansey, MD, PhD
Can Baseline Surface Electromyography Predict Strength Recovery of Upper Extremity Muscles Undergoing Functional Electrical Stimulation Therapy After Cervical Spinal Cord Injury?		Guijin Li, BS
Clinical Trial Tribulations Unrelated to Subject Accrual: The Robaco Experience		Catharine Craven, BA, MD, MSc, FRCPC, FASIA
Predicting Independent Walking 1-Year after Rehabilitation Discharge Using the Standing & Walking Assessment Tool (SWAT) for Individuals with Spinal Cord Injury (SCI)		Heather Hong, PhD
Feasibility And Validity of the Newly Developed Lower Urinary and Gastrointestinal Tract Autonomic Function (LUGTAF) Survey –Preliminary Results		Chung-Ying Tsai, PT, MS, PhD, DPT

continued

2022 ASIA GENERAL SESSIONS

THURSDAY ♦ MAY 19TH *continued*

Oral Presentations	Moderator	Presenters
GENERAL SESSION 6 Cardiovascular and Physical Health: the Science of Community-Based Exercise	Rebecca Martin, OTR/L, OTD	
2019 Recipient of the Craig H. Neilsen Foundation Allied Health Professional Research Grant of ASIA Does The Speed of Robotic Leg Movements During Tilt-Table Verticalization Mitigate Orthostatic Hypotension in Subacute SCI?		Jacob Long, PT, DPT, NCS, ATP/SMS
Transition to Adulthood Following Pediatric Spinal Cord Injury: Changes in Shoulder Complex Movement Variability		Josh Leonardis, Ph.D.
Effect of Training in a Kayak Ergometer on Trunk Control, Independence and Cardiovascular Function in Individuals with Spinal Cord Injury		Jimena Quinzaños, MD, PhD
Evaluation of Upper Limb Asymmetry in Manual Wheelchair Users with Pediatric-Onset SCI		Samantha Schwartz, BS
The Effects of Arm Exercise on Trunk Function in Individuals with Chronic Spinal Cord Injury		Shin-Yi Chiou, PT, PhD
GENERAL SESSION 7 Community-Based Resources, Reintegration, and Regulation. What You Need to Know	Inger Ljungberg, MPH	
Healthcare Resources for Women with SCI (HeRe for Women with SCI)		Heather Taylor, PhD
An Ongoing Clinical Trial Regarding the Effects of CPAP Therapy on The Sleep Quality, Cognition, Mood and Anxiety in Individuals Living with Chronic Spinal Cord Injury		Julio Furlan, MD, LLB, MBA, PhD, MSc, FRCPC, FAAN
Evidence-Based Best Practices for Physical Activity Counselling for Adults with Spinal Cord Injury		Femke Hoekstra, PhD
Is Maintaining a Closed Urinary Catheter System Useful? A Quality Improvement Project to Reduce Catheter-Associated Urinary Tract Infections		Alexa Ryder, MS3
Clinical Need Drives Development of Exciflex: An Effective Low-Cost Wireless Electrotherapy Bandage for Chronic Wound Therapy		Kath Bogie, D.Phil
Traumatic Spinal Cord Injury in North America: A Systematic Review		Dayton Kelly, MD(c), MSc
The Montreal Acute Classification of Spinal Cord Injury (MAC-SCI): A New Tool to Detect and Characterize Spinal Cord Injury in Trauma Patients		Remi Pelletier-Roy, MD
Examining the Impact of COVID-19 on People with Spinal Cord Injury: The Role of Gender and Other Personal Characteristics		Susan Robinson-Whelen, PhD

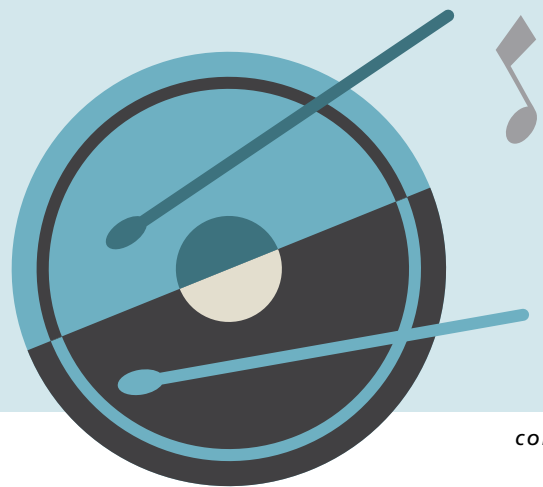
■ [Click here for Poster Abstracts](#)



AWARDS-ELIGIBLE POSTERS

◆ POSTERS SESSION 1 ◆

- 1** Combining Neural Transplantation with Activity-Based Therapy to Enhance Phrenic Motor Recovery After Cervical Spinal Cord Injury
◆ *Adam Hall, BS*
- 2** Locomotor Training Enhances Respiratory Plasticity in a Pre-Clinical Model of Cervical Spinal Cord Injury
◆ *Kayla Schardien, BS*
- 3** Exploring Peer Health Coach Roles in the Online Health-Management Program for Adults with Spinal Cord Injury
◆ *Diana Pernigotti, MSG*
- 4** On Vaccination Against COVID-19 in persons with Spinal Cord Injury: Considerations in the Absence of Data
◆ *David McMillan, PhD*
- 5** Epidural Stimulation-Promoted Standing Ability and Spinal Cord Lesion Characteristics in Motor Complete SCI
◆ *Andrew Smith, PT, DPT, PhD*
- 6** Determination of Cut-Off Points in the Trunk Control Test for Spinal Cord Injury Individuals to Assess the ability to perform different activities of Daily Living According to the SCIM-III
◆ *Marlene Alejandra Rodriguez Barragan, MD, MsC*
- 7** Validation of the Use of Smartphones for the Remote Application of the Trunk Control Scale in Individuals with Spinal Injury
◆ *Marlene Alejandra Rodriguez Barragan, MD, MsC*
- 8** Evaluation Framework Post PNT
◆ *Parvin Eftekhari, PhD*
- 9** Implementation of the 2019 Revision of the International Standards for Neurological Classification of Spinal Cord Injury (ISNCSCI) In the European Multicenter Study About Spinal Cord Injury (EMSCI) ISNCSCI Calculator
◆ *Christian Schuld, M.Sc.*
- 10** Astrocyte-to-Neuron Reprogramming for Spinal Cord Repair
◆ *Alessia Niceforo, PhD*
- 11** Preliminary Results: Qualitative Analysis of the Impact of Epidural Stimulation on Quality of Life for Persons with Spinal Cord Injury
◆ *Mary Slavin, PT, PhD*
- 12** DISCOVER SCI: A Multimedia Educational Resource for people with Spinal Cord Injury and their Caregivers
◆ *Marla Petriello, DO*
- 13** SCI Lynx: Development of a Physical Activity Social Network App for People with SCI
◆ *Nicole Bajdek, MS, ACSM-EP*
- 14** Do Individuals with Spinal Cord Injury Conform to Recommended Guidelines on Night-Time Repositioning in The Community Setting?
◆ *Islam Krazdi, MSC, Beng*

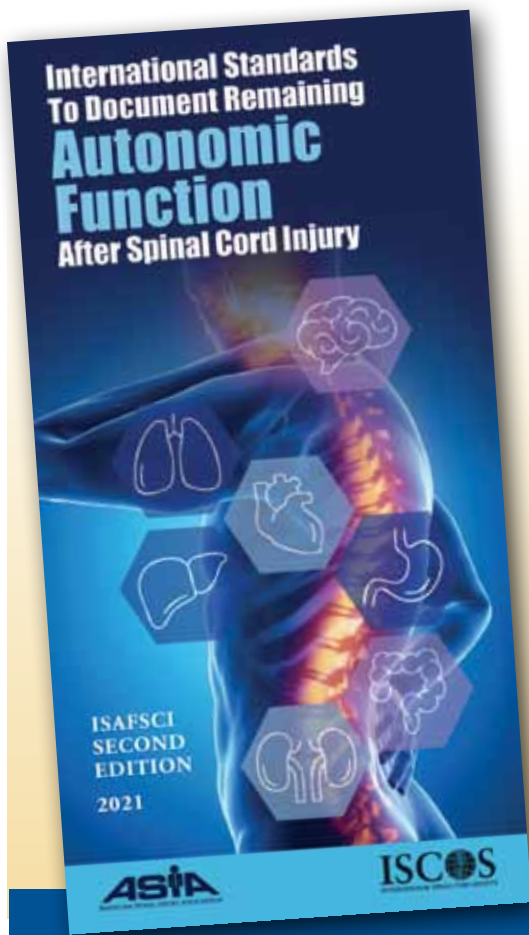


continued

POSTERS

- 15** Determination of A Safe and Tolerable Bladder Instillation Procedure for Patients with Indwelling Catheters
◆ *Ana Valeria Aguirre Guemez, MD*
- 16** The Microbiological and Physical Properties of Intermittent Catheters: A Systematic Review on the Impact of Re-Use and Various Cleaning Methods
◆ *Mark Grasdal, BSc*
- 17** Brain-Computer Interface Controlled Functional Electrical Stimulation Intervention for Upper Limb Rehabilitation in Patients with Tetraplegia: A Proof-of-Concept Study
◆ *Marlene Alejandra Rodriguez Barragan, MD, MSc*
- 18** Identification of Symptom Cluster Classes to Inform Long-Term Health Outcomes Following Traumatic Spinal Cord Injury
◆ *Letitia Graves, PhD, RN*
- 19** Impact of the COVID-19 Pandemic on Individuals with Spinal Cord Injury: Mental Health and Use of Telehealth
◆ *Adam Mesa, BSc*
- 20** Sexuality and Sexual Function after Spinal Cord Injury: An Interdisciplinary Approach to the forgotten ADL In the Rehabilitation Setting
◆ *David Rosenblum, MD*
- ◆ **POSTERS SESSION 2** ◆
- 21** Challenges in Multisensory Integration in Humans with Spinal Cord Injury: Competition Mechanisms and Models
◆ *Roberta Vastano, PhD*
- 22** Benefit of Mechanical Insufflation-Exsufflation (MIE) on Ventilator Dependent Spinal Cord Injury Patients in Acute Rehabilitation Center
◆ *C. Kevin Park, MD*
- 23** Functional Electrical Stimulation Therapy for Upper Extremity Rehabilitation Following Spinal Cord Injury: A Case Series on Neuromuscular Changes
◆ *Gustavo Balbinot, PhD*
- 24** Recovery Profiles for Individual Muscles under Functional Electrical Stimulation Therapy (FEST) in Individuals Living with Spinal Cord Injury.
◆ *Gustavo Balbinot, PhD*
- 25** Relationship Between FIM of Admission and Discharge of Patients with Spinal Cord Injury and Length of Stay in Rehabilitation In A Neurological Rehabilitation Center in Argentina During the Period 2007-2017
◆ *Sofia Dominguez, OT Senior*
- 26** Development of The Pediatric Appraisals of Disability Primary and Secondary Scale (Pedsadapss) for Youth with Spinal Cord Injury
◆ *Kyle Deane, PhD*
- 27** Prevention of Posttraumatic Stress: A Randomized Controlled Trial of Brief Prolonged Exposure Therapy (Brief PE) during Inpatient Rehabilitation Post Spinal Cord Injury
◆ *Megan Douglas, PhD*
- 28** An Investigation into the Association between Physical Activity and Mental Health in People with a Spinal Cord Injury
◆ *Emma Connell, MA student*
- 29** Venous Thromboembolism Management in Trauma Patients with Severe Thoracic Spine Fractures; Is there a larger role for Inferior Vena Cava Filters?
◆ *Patrick Curtin, MD*
- 30** Assessing and Predicting Neuropathic Pain after Spinal Cord Injury: A TRACK-SCI Study
◆ *Kenneth Fond, BS*
- 31** Autogenic Feedback Training Exercise for Autonomic Regulation in Individuals with Spinal Cord Injury - A Pilot Case Study
◆ *Rachel Torres, MS, PhD Student, NASA Fellow*
- 32** Repeated Transcutaneous Spinal Cord Stimulation at Alternating Intensities increases Spinal Reflex Inhibition and Reorganizes Neural Circuitries in Spinal Cord Injured Rat
◆ *Dillon Malloy, BS*
- 33** Non-Invasive Cervical Spinal Cord Stimulation for Amyotrophic Lateral Sclerosis (ALS)
◆ *Grace Famodimu, BA*
- 34** Effect of Remote Ischemic Conditioning on Hand Function in Cervical-Level Spinal Cord Injury
◆ *Kyla Holbrook, BS*
- 35** Effect of Remote Ischemic Conditioning on Hand Function in Amyotrophic Lateral Sclerosis.
◆ *Gregory Mendez, B.S, C.S.C.S*
- 36** Case Report of Multi-Vitamin Deficiency Associated with Alcohol Use Leading to Subacute Combined Degeneration in a Young Patient
◆ *Eva Kubrova, MD*
- 37** Differences In the Experience of Satiation in Persons with and without Spinal Cord Injury
◆ *Gary Farkas, PhD*

- 39** Registry-Based Descriptive Analysis of Non-Traumatic Spinal Cord Injured Veterans.
♦ *Daniel Pierce, MD*
- 38** Comparison of Self-Reported Neurological Status to Evaluated International Standards for Neurological Classification of Spinal Cord Injury (ISNCSCI) Outcomes in people with Chronic Spinal Cord Injury.
♦ *Nilanjana Datta/Nilanjana Datta, MD*
- 39** Refined Profiling in SCI: New Assessments of Injury “Size” and Some “Patterns” Using the Developing Research Options ISNCSCI
♦ *Kever Lewis, MS*
- 40** Dosing Overground Robotic Gait Training after Spinal Cord Injury: Department of Defense Protocol
♦ *Alexandria Holden, MPH*
- 41** A Retrospective Analysis of the Utilization of Robotic Exoskeleton Gait Training in Spinal Cord Injury during Inpatient Rehabilitation
♦ *Jaime Gillespie, PT, DPT*
- ♦ POSTERS SESSION 3 ♦**
- 42** Neurorehabilitation Following Traumatic Spinal Cord Injury: A Scoping Review on The Use of Surface Electromyography
♦ *Gustavo Balbinot, PhD*
- 43** Perceived Impact of the COVID-19 Pandemic on The Lives of Women with Spinal Cord Injury
♦ *Heather Taylor, PhD*
- 44** Substance Use Among People with Spinal Cord Injury: Does COVID-19 Pandemic matter?
♦ *Yuying Chen, MD, PhD*
- 45** Return to Running after Incomplete Cervical Spinal Cord Injury: A Case Series.
♦ *Taylor Poe, PT, DPT, CBIS*
- 46** The Impact of the COVID-19 Pandemic on Cardiovascular Risk Indicators and Social Participation Among Canadians with Spinal Cord Injury.
♦ *Nour Saadawi, MA Candidate, FKQ*
- 47** Myoclonic Status Epilepticus After Baclofen Intoxication in Patient with Incomplete Paraplegia
♦ *Eric Kincaid-Sharp, DO*
- 48** Ultrasound Guided Aspiration of Cervical Spinal Cord Syrinx in Refractory Autonomic Dysreflexia
♦ *Adil Malik, MD*
- 49** Activity-Based Recovery Therapy Based on Spinal Cord Network Neural Mechanisms to Rehabilitate a Peripheral Nerve Injury: A Case Report
♦ *Kelly O'Brien, PT, DPT*
- 50** Delayed Diagnosis of Candida Albicans Spondylodiscitis and Epidural Abscess Leading to Incomplete Thoracic Spinal Cord Injury
♦ *Alicia Seeds, MD*
- 51** Acute Spinal Cord Injury after single use of “Whippets”
♦ *Lauren Massey, MD*
- 52** A Rectal Pseudopolyp, Intersphincteric Fistula, And Perianal Abscess due to Digital Stimulation in an Individual with Chronic Traumatic C4 AIS B Spinal Cord Injury: A Case Report
♦ *D. Frank Distel, MD, MBA*
- 53** Effects of Wide Pulse Width Neuromuscular Electrical Stimulation on Peripheral Nerve Damage Post Shingles
♦ *Tudor Panta, OTR/L*
- 54** Case Report: Charcot Spinal Arthropathy Induced Changes from UMN to LMN Pattern of Neurogenic Bowel & Bladder
♦ *Chloe McCloskey, MD*
- 55** Sex Differences in Heart Disease Risk Among Individuals with Spinal Cord Injury
♦ *Analisa Jia, BSc*
- 56** Transplanted Aggregates of Neural Precursor Cells Enriched with Spinal Interneurons Improve Respiratory Recovery after Cervical Spinal Cord Injury
♦ *Tara Fortino, BS*
- 57** Modulating Inflammation after Spinal Cord Injury via Tailored Anti-Inflammatory Cytokine Delivery ♦ *Daniel Hellenbrand, MS*
- 58** Lokomat® Training in Elderly Individuals with Incomplete Spinal Cord Injury.
♦ *Mónica Alcobendas, MD, PhD*
- 59** Why is Severe Traumatic Brain Injury Uncommon in Patients with Spinal Cord Injury?
♦ *Marie-Michele Briand, MD, PhD*
- 60** A Concomitant TBI affects the Outcomes after a Traumatic Spinal Cord Injury
♦ *Marie-Michele Briand, MD, PhD*
- 61** Gamified Electromyographic Biofeedback with Wearable Sensors to Increase Activation of Paretic Triceps
♦ *R. James Cotton, MD, PhD*
- 62** High Thoracic Neuroschistosomiasis Spinal Cord Presentation in an Immunocompromise Cancer Patient
♦ *Eduardo Nadal, MD*
- 63** Tailored Epidural Stimulation with Flexible Multisite Electrode Arrays in Rodents Following Chronic Spinal Cord Injury
♦ *Jeremy Weinberger, MS*



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There are two ways to get involved:

In-Person Poster sessions

- **Loews New Orleans Hotel**

Session 1: Wednesday, May 18 • 9:45-10:30 AM (Posters 1-20)

Session 2: Wednesday, May 18 • 4:05-4:45 PM (Posters 21-41)

Session 3: Thursday, May 19 • 10:15-11:15 AM (Posters 42-63)

Online Posters Galleries

- Click on the Poster links in the program to view and leave feedback and comments for poster presenters.



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20
22

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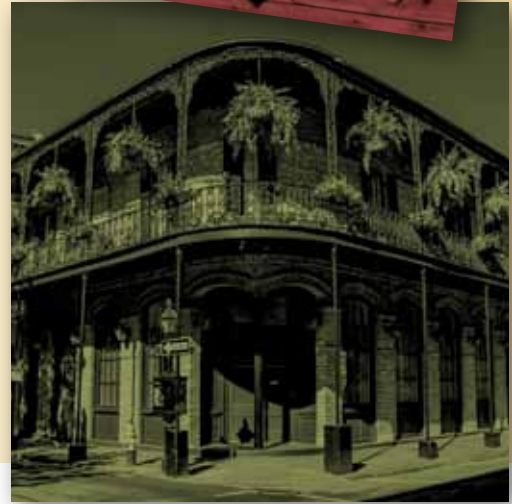
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