

2025 SCIENTIFIC MEETING

ASIA DATA SCIENCE PRECOURSE

Unlock AI's Role in Spinal Cord Injury Research!

Sunday / June 1, 2025

TIME	TITLE	MODERATOR (S)	PRESENTERS	ROOM
8:15 AM - 8:30 AM	Opening Remarks	Ronald James Cotton, MD, PhD Sarah Brueningk, PhD		Room A
8.30 AM -10:00 AM	Data Science in SCI - the Hope, the Challenge, and the Current Status	Dennis Bourbeau, PhD Sarah Brueningk, PhD		Room A
	De-Mystifying AI		Ronald James Cotton MD, PhD	
	Where Do we Stand, Where are we Limited?		Iris Leister, PhD	
	AI in SCI the Current Status and What the Future May Bring		Adam Ferguson, PhD	
10:00 AM -10.30 AM	Refreshment Break			
10.30 AM -12:00 PM	CONCURRENT SESSIONS			
	Session A: Hands-On Challenge (Small Groups, Targeted for Participants New to AI and Who Want to Learn More)	Dennis Bourbeau, PhD Olga Taran, PhD	Support: Louis Lukas, MSc Miklovana Tuci, MSc	Room A
	What Tools are Available?	Dennis Bourbeau, PhD		
	I. Data Visualization			
	II. Coding with Large Language Models			
	III. AI Basics (Do's and Don'ts)			
	Hands-On Session			
	Discussion			
	Session B: Tackling the Key Challenges in SCI AI - Technical Solutions (A Session for AI Experts to Deep Dive)	Alessandro Napoli, PHD Adam Ferguson, PhD		Room B
	Opening: The Big Challenges in SCI Data Science		Alessandro Napoli, PhD	
	Limited Data Learning		Abel Torres Espin, PhD	
	Learning from Incomplete Data		Gustavo Balbinot, PhD	
	Causal Frameworks		Ronald James Cotton, MD, PhD	
	Generalization and Robustness		Sarah Brueningk, PhD	

Reset and Relax

Need a break from the conference? Visit ASIA's "Quiet Zone" a curated, low-lit space for relaxation and silence.

No talking and no electronics allowed!

Let ASIA staff members know if you would like to be escorted to the Quiet Room.



TIME	TITLE	MODERATOR (S)	PRESENTERS	ROOM
12:00 PM - 1:00 PM	Lunch Break			
1:00 PM - 2:30 PM	Problems that Have Been Solved - Or Have We?	Iris Leister, PhD Alessandro Napoli, PhD		Room A
	Talk 1 - Deep Learning to Measuring Hand Function in Egocentric Video - An Examination of Research vs Clinical Beeds		Jose Zariffa, PhD	
	Talk 2 - Enhancing Clinical Trial Design Using Historical Information		Miklovana Tuci, MSc	
	Talk 3 -		Gustavo Balbinot, PhD	
	Talk 4 -		Vanessa Noonan, BSc PT, MSc, PhD	
2:30 PM - 2:50 PM	Refreshment Break			
2:50 PM - 4:20 PM	The ASIA Data Science Challenge	Ronald James Cotton, MD, PhD Sarah Brueningk, PhD		Room A
	Background on the Challenge			
	Team 1 - Motor Score Sequences			
	Team 2 - Walking Prediction			
	Moderated Discussion		Panel: Invited Teams Keith Tansey, MD, PhD Abel Torres Espin, PhD Jose Zariffa, PhD Vanessa Noonan, BSc PT, MSc, PhD	Room A
4:20 PM - 4:30 PM	Closing Summary - What Have We Learned and What is the Next Step?	Ronald James Cotton, MD, PhD Sarah Brueningk, PhD		Room A


Welcome Reception
6:00 - 8:00 PM
With Partners and Exhibitors

2025 SCIENTIFIC MEETING

Monday / June 2

ROOM A

7:00 AM - 4:30 PM	Registration
7:00 AM - 8:00 AM	Breakfast with Partner & Exhibitors
8:00 AM - 8:30 AM	<p>WELCOME/OPENING REMARKS</p> <p>Susie Charlifue, PhD, FASIA (ASIA President 2024-2025) Mark S. Nash, PhD, FACS, FASIA (ASIA President 2025 - 2027)</p>
	<p>FELLOW OF OF ASIA (FASIA) AWARD</p> <p>1. Kim Anderson-Erisman, PhD 3. Ronald K. Reeves, MD 2. Isa McClure, PT, MAPT 4. Cristina L. Sadowsky, MD</p>
8:30 AM - 9:15 AM	<p>LIFETIME ACHIEVEMENT AWARD Presented by Stacey Elliott, MD, FASIA</p> <p>Andrei Krassioukov, MD, PhD, FRCPC, ICORD-BCSS, FASIA Strong Rehabilitation Centre, Vancouver, Canada</p>
9:15 AM - 10:00 AM	<p>SELL LECTURE</p> <p>The Evolving Focus of Spinal Cord Injury Research. From Neuroregeneration to Neuroplasticity Across 30 Years.</p> <p>James David Guest, MD, PhD, FAANS, FASIA Professor of Neurological Surgery Neurosurgery and the Miami Project to Cure Paralysis, Miller School of Medicine - Miami, FL</p>
10:00 AM - 10:10 AM	Stretch Break / Transfer to Next Session
10:10 AM - 11:10 AM	Partner / Exhibitor Recognition
11:10 AM - 11:20 AM	Stretch Break / Transfer to Next Session

	ROOM A	ROOM B	ROOM C	ROOM D
11:20 AM - 12:20 PM	<p>General Session 1: Sensory/Pain/Skin</p> <p>From Mechanisms to Management: Sensory Function, Neuropathic Pain, and Pressure Injuries</p>	<p>General Session 2: Respiratory</p> <p>Inhale the Future, Exhale the Past</p>	<p>General Session 3: Basic Science</p> <p>Basic Science Approaches to Enhancing Recovery Following Spinal Cord Injury: There is Nothing Basic About it!</p>	<p>International Standards for Neurological Classification of SCI ISNCSCI Exam Workshop</p>
12:20PM - 1:30PM	<p>LUNCH SYMPOSIUM</p> <p>Overground Personal Exoskeletons: It's a Whole New World, Current and Future Considerations</p> <p>Presented by: Lifeward Director of Medical Affairs, Keith D. Rose, MD, and Previous ASIA President & Lifeward Director of Clinical Research, Keith E. Tansey, MD, PhD, FASNR, FASIA</p>			<p>Sponsored by</p> 
1:30 PM - 2:30 PM	<p>Course 1</p> <p>Potential for Gabapentinoids as Agents for Neurorestoration: Clinical and Research Considerations</p>	<p>Course 2</p> <p>Aging and Spinal Cord Injury: From Mechanisms to Quality of Life</p>	<p>Course 3</p> <p>Filling the Gaps: Designing and Implementing Innovative Approaches to Community Integration After SCI</p>	
2:30 PM - 3:30 PM	<p>POSTER SESSION 1</p>			
2:30 PM - 3:30 PM	Break with Partners & Exhibitors			
3:30 PM - 4:30 PM	<p>Course 4</p> <p>Unveiling Strength: Progress and Perspectives in Research on Women with Spinal Cord Injury</p>	<p>Course 5</p> <p>Disease Prognosis and Outcome Prediction In Spinal Cord Injury</p>	<p>Course 6</p> <p>Don't Get TRIPped Up – Disentangling the Effects of Rehabilitation in Clinical Translation of Preclinical Research</p>	

PRELIMINARY PROGRAM



Tuesday / June 3

ROOM A

7:00 AM - 4:30 PM	Registration			
7:00 AM - 8:00 AM	Breakfast with Partner & Exhibitors			
8:00 AM - 9:30 AM	AWARDS SESSIONS / Oral Presentations / TOP 6			
	Prognostic Value of Tissue Bridges in Cervical Spinal Cord Injury: A Longitudinal, Multicenter, Retrospective Cohort Study			Dario Pfyffer, PhD
	The Association Between Mean Arterial Blood Pressure Augmentation and Intraparenchymal Hemorrhage After Acute Human Spinal Cord Injury			Brian Kwon, MD, PHD, FRCSC, FASIA
	The Effects of Targeting Spinal Cord Perfusion Pressure Through Cerebrospinal Fluid Drainage in Acute Spinal Cord Injury			Cameron Gee, PhD
	Upper Extremity Function Classification for Tailored Rehabilitation in Cervical Spinal Cord Injury: Novel Insights from a Nationally Diverse Cohort			Jia Liu, PhD
	Data-Driven Characterization of The Spinal Cord Injury Landscape: An Analysis of The EMSCI Database Using Graph-Based Clustering			Louis Philipp Lukas, MSc
	Ventral Epidural Stimulation Restores Forelimb Function and Promotes a Lesion Repair Microglial Phenotype after Cervical Spinal Cord Injury			Philip Horner, PhD
	Craig H. Neilsen 2022 Award Update: Reversing the Trend:			
	Clinical Strategy to Reduce Incidence and Impact of Wheelchair Repairs in Spinal Cord Injury Rehabilitation			Blake Edwin Perkins, PT, DPT, ATP
9:30 AM - 10:30 AM	KEYNOTE TALK			
	Nicholas Theodore, MD, FACS, FAANS			
	Professor of Neurosurgery, Orthopaedic Surgery and Biomedical Engineering / Johns Hopkins University School of Medicine			
10:30 AM - 10:40 AM	Stretch Break / Transfer to Next Session			
	ROOM A	ROOM B	ROOM C	ROOM D
10:40 AM - 11:40 AM	General Session 4: Measurements & Outcomes If you are Not Measuring, you are Just Practicing	General Session 5: Cardiovascular Getting to the Heart of the Issue: SCI Cardiovascular Topics	General Session 6: Clinical Trial Updates Clinical Trials: What's the Latest and When Will it Get Here?	
11:40 AM - 1:00 PM	SPONSORED LUNCH			
1:00 PM - 2:00 PM	Course 7 The Art of Diagnosis: Navigating Uncertainty in Myelopathy Cases	Course 8 A Bird's Eye Meta-View on Spinal Cord Injury Research: What Can we Learn from Researching How We Do Research (Sponsored By SCOPE)	Course 9 Path to Recovery after Spinal Cord Injury: Priorities, Personal Experience and Potential Predictors	Topics in Spinal Cord Injury and Rehabilitation (TSCIR)
2:00 PM - 3:00 PM	POSTERS SESSION 2			
2:00 PM - 3:00 PM	Break with Partners & Exhibitors			

2025 SCIENTIFIC MEETING

Tuesday / June 3

	ROOM A	ROOM B	ROOM C	ROOM D
3:00 PM - 4:00 PM	General Session 7: Activity-Based Training Get Up and Get moving: Importance and Challenges of Movement and Exercise to Improve Outcomes in Acute through Chronic Stages of SCI	General Session 8: Psychosocial Navigating the SCI Landscape: The Interplay of Health, Technology, and Social Factors	General Session 9: Mixed Papers 1 Risk-y Business in SCI: Predictive Analytics and Practical Aspirations	International Standards for Neurological Classification of SCI ISNCSCI Exam Workshop
4:00 PM - 4:10 PM	Stretch Break / Transfer to Next Session			
4:10 PM - 5:10 PM	Course 10 Diagnosis and Management of Lower Extremity Bone Loss in Persons with Acute and Chronic Spinal Cord Injury.	Course 11 Advancing innovative Practices in SCI Rehabilitation: Combining Neuromodulation Therapies to Enhance Functional Recovery	Course 12 Strategies Across the Translational Spectrum to Improve Recovery after SCI	



Presidents Reception

Drinks, Desserts and
A Drone Light Show

8:00-10:00 PM

Wednesday / June 4 **ROOM A**

8:00 AM - 5:00 PM	Registration
7:00 AM - 8:00 AM	Membership Breakfast
8:00 AM - 9:00 AM	AWARDS SESSION Neilsen Foundation Allied Health Professional Research Award of ASIA / Anthony F. DiMarco MD Award Apple Award / Vogel Award / Mulcahey Award / TRoHNS Award / Top 3 Oral Talk Awards / Top 3 Poster Awards / Early Career Awards

Wednesday / June 4 **ROOM A** **ROOM B** **ROOM C** **ROOM D**

9:00 AM - 10:00 AM	Course 13 Spinal Stimulation: Bridging the Gap Between Research and Clinical Translation	General Session 10 Mixed Papers 2	Course 14 Learning How to Use Spinal Cord Neuromodulation to Activate Propriospinal Neurons and Sympathetic Targets to Improve Functions Impaired by SCI?	
10:00 AM - 10:10 AM	Stretch Break / Transfer to Next Session			
10:10 AM - 11:10 AM	Course 15 The Common Thread of Struggle after SCI: How Can Policy Unravel the Ties that Bind People with SCI, their Support Persons, and Rehabilitation Professionals from Achieving the Shared Goal of Societal Participation?	Course 16 Using Neuromodulation to Understand and Improve Neurogenic Bowel Dysfunction after Spinal Cord Injury (SCI)	Course 17 The Good, Bad, and Ugly of AI	
11:10 AM - 12:30 PM	Lunch			
12:30 PM - 1:30 PM	Course 18 Accessible Airline Travel: Updates and Advancements in Engineering, Policy and Rehab Medicine	Course 19 Solving the Post-SCI Neuropathic Pain Problem: Can What We Learn from Animal Models Really Translate to the Human Experience of Chronic Pain?	Course 20 Boosting Lower Limb Recovery after Spinal Cord Injury: The Role of Non-Invasive Electrical Stimulation and Activity-Based Therapies	International Standards for Neurological Classification of SCI ISNCSCI Exam Workshop
1:30 PM - 1:40 PM	Stretch Break / Transfer to Next Session			

2025 SCIENTIFIC MEETING

Wednesday / June 4

ROOM A

ROOM B

ROOM C

ROOM D

1:40 PM - 2:40 PM

Course 21

Windows into Daily Life after SCI: Protocols for Egocentric Video and Photovoice Data Collection

Course 22

Consensus Statements Regarding the Use of Blood Bone Biomarkers in Human and Animal Models of Spinal Cord Injury: Systematic Review & E-Delphi Consensus Methods from the ReCON Team

Course 23

From Patients to Models and Back. The Use of Real-World Data to Model the Complexity of SCI Through the Patient Journey

2:40 PM - 2:50 PM

Stretch Break / Transfer to Next Session

2:50 PM - 3:50 PM

Course 24

Length of Stay Following Spinal Cord Injury: Associations with Predictors, Outcomes, and Stakeholders Experiences in Inpatient Rehabilitation

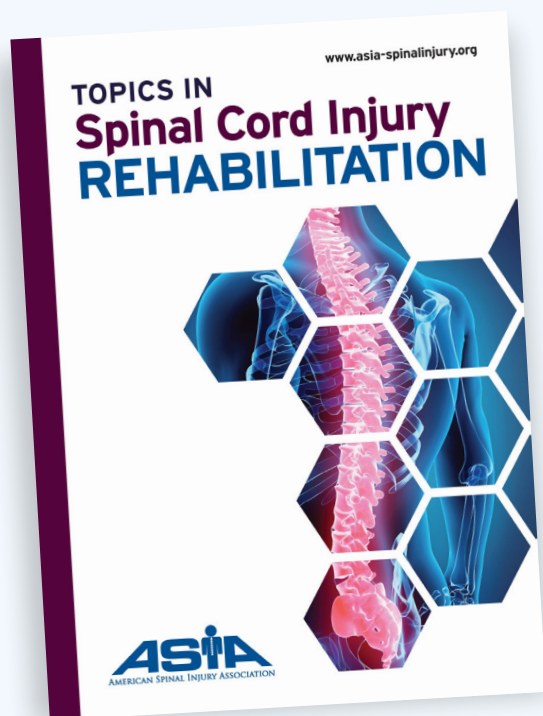
Course 25

Age Effects: The Impact of Aging Population on the Epidemiology of Traumatic Spinal Cord Injuries, Older Age on Individuals' Recovery, and Individuals Aging after Injury

Course 26

Spasticity

MEETING ADJOURNED



Topics in Spinal Cord Rehabilitation

Topics in Spinal Cord Injury Rehabilitation (TSCIR) is an interdisciplinary journal devoted to the study and dissemination of practical and theoretical information related to the subject of spinal cord injury rehabilitation.



The TSCIR Online Archive is fully indexed and includes all articles from 1997 to present. ASIA members receive complimentary subscriptions to TSCIR!

2025 SCIENTIFIC MEETING

COURSES **Monday / June 2, 2025**

COURSE	MODERATOR	PRESENTERS
COURSE 1 Potential for Gabapentinoids as Agents for Neurorestoration: Clinical and Research Considerations	James Wilson, DO	Andrea Tedeschi, PhD John Kramer, PhD Kim Anderson-Erisman, PhD, FASIA Mike Kelly, MD
COURSE 2 Aging and Spinal Cord Injury: From Mechanisms to Quality of Life	Monica Perez, PT, PhD	Cedric Geoffroy, PhD John C. Gensel, PhD Jennifer Coker, PhD James Krause, PhD Monica Perez, PT, PhD
COURSE 3 Filling the Gaps: Designing and Implementing Innovative Approaches to Community Integration After SCI	Keara McNair, MS, OTR/L, BCPR, ATP	Denise Fyffe, PhD Kassandra Boyd, OTD Monifa Brooks, MD Keara McNair, MS, OTR/L, BCPR, ATP
COURSE 4 Unveiling Strength: Progress and Perspectives in Research on Women with Spinal Cord Injury	Jennifer Coker, PhD, MPH, FASIA	Chloe Slocum, MD, MPH Heather Taylor, PhD Yuying Chen, MD, PhD, FACRM, FASIA
COURSE 5 Disease Prognosis and Outcome Prediction In Spinal Cord Injury	Sarah Brüningk, PhD	Abel Torres Espin, PhD Olga Taran, PhD Adam Ferguson, MS, PhD Sarah Brüningk, PhD
COURSE 6 Don't Get TRIPped Up – Disentangling the Effects of Rehabilitation in Clinical Translation of Preclinical Research	Edelle Field-Fote, PT, PhD, FASIA, FAPTA	Edelle Field-Fote, PT, PhD, FASIA, FAPTA Kim Anderson-Erisman, PhD, FASIA David Magnuson, PhD, FASIA

COURSES **Tuesday / June 3, 2025**

COURSE	MODERATOR	PRESENTERS
COURSE 7 The Art of Diagnosis: Navigating Uncertainty in Myelopathy Cases	Cristina Sadowsky, MD, FASIA	Keara McNair, MS, OTR/L, BCPR, ATP Ronald Reeves, MD, FASIA Cristina Sadowsky, MD, FASIA Brittany Snider, DO
COURSE 8 A Bird's Eye Meta-View on Spinal Cord Injury Research: What Can we Learn from Researching How We Do Research (Sponsored By SCOPE)	Paulina Scheuren, PhD	John Ioannidis, MD, DSc Paulina Scheuren, PhD Jan Schwab, MD, PhD Abel Torres Espin, PhD
COURSE 9 Path to Recovery after Spinal Cord Injury: Priorities, Personal Experience and Potential Predictors	Andrei Krassioukov, MD, PHD, FRCPC, ICORD-BCSS, FASIA	Andrei Krassioukov, PhD, MD, FRCPC, ICORD-BCSS, FASIA Raza Malik, PhD Rahul Sachdeva, PhD Mujtaba Saloojee
COURSE 10 Diagnosis and Management of Lower Extremity Bone Loss in Persons with Acute and Chronic Spinal Cord Injury.	Brittany Snider, DO	Christopher M. Cirnigliaro, PhD Cristina Sadowsky, MD, FASIA B. Catharine Craven, BA, MD, MSc, FRCPC, FASIA, FCAHS
COURSE 11 Advancing innovative Practices in SCI Rehabilitation: Combining Neuromodulation Therapies to Enhance Functional Recovery	Rebecca Martin, OTR/L, OTD	Rebecca Martin, OTR/L, OTD Randy D. Trumbower, PT, PhD
COURSE 12 Strategies Across the Translational Spectrum to Improve Recovery after SCI	Meifan Chen, PhD & Jennifer Dulin, PhD	Meifan Chen, PhD Jennifer Dulin, PhD Kajana Satkunendrarajah, PhD Dana McTigue, PhD Monica Perez, PT, PhD

2025 SCIENTIFIC MEETING

COURSES **Wednesday / June 4, 2025**

COURSE	MODERATOR	PRESENTERS
COURSE 13 Spinal Stimulation: Bridging the Gap Between Research and Clinical Translation	Megan Gill, PT, DPT, NCS	Megan Gill, PT, DPT, NCS Candace Tefertiller, PT, DPT, PhD, NCS Chet Moritz, PhD
COURSE 14 Learning how to use Spinal Cord Neuromodulation to Activate Propriospinal Neurons and Sympathetic Targets to Improve Functions Impaired by SCI?	Linda Jones, PT, PhD	Linda Jones, PT, PhD Noam Harel, MD, PhD Jill M. Wecht, BS, MS, EdD Jeremy W. Chopek, BSc, MSc, PhD Kristine C. Cowley, BSc, PhD
COURSE 15 The Common Thread of Struggle after SCI: How Can Policy Unravel the Ties that Bind People with SCI, their Support Persons, and Rehabilitation Professionals from Achieving the Shared Goal of Societal Participation?	Anne Bryden, PhD, OTR/L	Kim Anderson-Erisman, PhD, FASIA Susan Hinze, PhD Tanjulla Tyson-Wearren, MSSA Brian Gran, PhD
COURSE 16 Using Neuromodulation to Understand and Improve Neurogenic Bowel Dysfunction after Spinal Cord Injury (SCI)	Kim Anderson-Erisman, PhD, FASIA	Kim Anderson-Erisman, PhD, FASIA Cedric Geoffrey, PhD Robert Hoey, PhD Dennis Bourbeau, PhD
COURSE 17 The Good, Bad, and Ugly of AI	Dennis Bourbeau, PhD Ronald James Cotton, MD, PhD	Rüdiger Rupp, Prof. Dr.-Ing., FASIA
COURSE 18 Accessible Airline Travel: Updates and Advancements in Engineering, Policy and Rehab Medicine	Niña Carmela R. Tamayo, DO, MS, MPH	Alexandra Bruce, OTD, OTR/L Capt. Sheyna Gifford, MD, MPH, MBA, MS, MA, USAF Jessica Presperin Pedersen, OTD, BSOT, MBA, FAOTA, ATP/SMS Sivashankar Sivakanthan, PhD
COURSE 19 Solving the Post-SCI Neuropathic Pain Problem: Can What We Learn from Animal Models Really Translate to the Human Experience of Chronic Pain?	Elizabeth R. Felix, PhD	Elizabeth R. Felix, PhD Stanislava Jergova, PhD Thomas N Bryce, MD

COURSES **Wednesday / June 4, 2025**

COURSE	MODERATOR	PRESENTERS
COURSE 20 Boosting Lower Limb Recovery after Spinal Cord Injury: The Role of Non-Invasive Electrical Stimulation and Activity-Based Therapies	Kristin Musselman, PT, PhD	Marie-Pascale Côté, PhD Kei Masani, PhD Kristin Musselman, PT, PhD
COURSE 21 Windows into Daily Life after SCI: Protocols for Egocentric Video and Photovoice Data Collection	Jose Zariffa, PhD, PEng	Kristin Musselman, PT, PhD Olga Taran, PhD
COURSE 22 Consensus Statements Regarding the use of Blood Bone Biomarkers in Human and Animal Models of Spinal Cord Injury: Systematic Review & E-Delphi Consensus Methods from the ReCON Team	B. Catharine Craven, BA, MD, MSc, FRCPC, FASIA, FCAHS	B. Catharine Craven, BA, MD, MSc, FRCPC, FASIA, FCAHS Kristine Cowley, BSc, PhD Philemon Tsang, PhD
COURSE 23 From Patients to Models and Back. The Use of Real-World Data to Model the Complexity of SCI Through the Patient Journey	Abel Torres Espin, PhD	Abel Torres Espin, PhD John Chernesky Vanessa Noonan, MD, DO, PhD Marzieh Mussavi Rizi
COURSE 24 Length of Stay Following Spinal Cord Injury: Associations with Predictors, Outcomes, and Stakeholders Experiences in Inpatient Rehabilitation	Sherri L. LaVela, PhD, MPH, MBA	Alex W.K. Wong, PhD, DPhil Sherri L. LaVela, PhD, MPH, MBA Allen W. Heinemann, PhD
COURSE 25 Age Effects: The Impact of Aging Population on the Epidemiology of Traumatic Spinal Cord Injuries, Older Age on Individuals' Recovery, and Individuals Aging after Injury	Julio Furlan, MD, LLB, MBA, PhD, MSc, FRCPC, FAAN, FASIA	Vanessa Noonan, MD, DO, PhD Julio Furlan, MD, LLB, MBA, PhD, MSc, FRCPC, FAAN, FASIA Sunil Sabharwal, MD
COURSE 26 Spasticity		

2025 SCIENTIFIC MEETING

GENERAL SESSIONS

Award-Eligible Oral Presentations

TUESDAY JUNE 3, 2025 / 8:00 AM - 9:30 AM

Moderator:

AWARD-ELIGIBLE ORAL PRESENTATIONS	PRESENTERS
Prognostic Value of Tissue Bridges in Cervical Spinal Cord Injury: A Longitudinal, Multicenter, Retrospective Cohort Study	Dario Pfyffer, PhD
The Association Between Mean Arterial Blood Pressure Augmentation and Intraparenchymal Hemorrhage After Acute Human Spinal Cord Injury	Brian Kwon, MD, PHD, FRCSC, FASIA
The Effects of Targeting Spinal Cord Perfusion Pressure Through Cerebrospinal Fluid Drainage in Acute Spinal Cord Injury	Cameron Gee, PhD
Upper Extremity Function Classification for Tailored Rehabilitation in Cervical Spinal Cord Injury: Novel Insights from a Nationally Diverse Cohort	Jia Liu, PhD
Data-Driven Characterization of The Spinal Cord Injury Landscape: An Analysis of The EMSCI Database Using Graph-Based Clustering	Louis Philipp Lukas, MSc
Ventral Epidural Stimulation Restores Forelimb Function and Promotes a Lesion Repair Microglial Phenotype after Cervical Spinal Cord Injury	Philip Horner, PhD
Craig H. Neilsen 2022 Award Update: Reversing the Trend: Clinical Strategy to Reduce Incidence and Impact of Wheelchair Repairs in Spinal Cord Injury Rehabilitation	Blake Edwin Perkins, PT, DPT, ATP

MONDAY JUNE 2, 2025 *All Program times are in Mountain Standard Time (MST)*

ORAL PRESENTATIONS	PRESENTERS
GENERAL SESSION 1: Sensory/Pain/Skin: From Mechanisms to Management: Sensory Function, Neuropathic Pain, and Pressure Injuries 11:20 AM - 12:20 PM / Moderator:	
A Consumer Perspectives and Effects of a Multimodal Pain Program on Spinal Cord Injury Related Pain	Eva Widerstrom-Noga, DDS, PhD, FASIA
Nociceptor-Driven SCI-Induced Neuropathic Pain	Norbert Weidner, MD
Validity and Reliability of a Fully Automated Computer-Controlled Electrical Perceptual Threshold System for Sensory Assessment in Individuals with Spinal Cord Injury	Siti Nurfaezah Binti Zahari
Development and Testing of an Automated Computer-Controlled Electrical Perceptual Threshold Device for Sensory Assessment in Individuals with Spinal Cord Injury	Siti Nurfaezah Binti Zahari
Opportunities for Health System Improvement: Concerning Trends in Pressure Injury Prevalence at Rehab Admission Despite Reductions in Pressure Injury Incidence During Inpatient Rehabilitation	B. Catharine Craven, BA, MD, MSc, FRCPC, FASIA, FCAHS
A Proof-Of-Concept Study of Cutaneous Pressure Induced Vasodilation Alteration in Persons with Spinal Cord Injury; Implication for Pressure Ulcers	Michelle Trbovich, MD

GENERAL SESSIONS

MONDAY JUNE 2, 2025 All Program times are in Mountain Standard Time (MST)

ORAL PRESENTATIONS

PRESENTERS

GENERAL SESSION 2: **Respiratory: Inhale the Future, Exhale the Past**

11:20 AM - 12:20 PM / Moderator:

Implementing a Multi-Modality Respiratory Weaning Intervention for Adult Critical Care Patients Mechanically Ventilated with Cervical Spinal Cord Injury: A Quality Improvement Project (QIP)	Tammy Lea, Clinical Specialist Physiotherapist
Correlation of Diaphragmatic Ultrasound with Pulmonary Function Testing in Patients with Chronic Cervical Spinal Cord Injury: A Single Center Pilot Study	Shane Stone, MD
Depletion of Peripheral Monocyte-Derived Macrophages and COX-2 Inhibition Differentially affect Ventilatory and Locomotor Recovery Following Cervical Spinal Cord Injury in Rats	Aaron Silverstein, BS, BS
Mild Intermittent Hypoxia May Improve Sleep Quality and Cognition in Individuals with SCI	Lexi Soltesz, BS, BA
Diaphragm Pacing and Colostomies in Ventilator Dependent Cervical Spinal Cord Injured Patients: Optimizing Timing of Each Therapy Can Improve Care and Quality of Life	Raymond Onders, MD, FACS, FASIA

ORAL PRESENTATIONS

PRESENTERS

GENERAL SESSION 3: **Basic Science: Basic Science Approaches to Enhancing Recovery Following Spinal Cord Injury: There is Nothing Basic About it!**

11:20 AM - 12:20 PM / Moderator:

Enhancing Stem Cell Therapy for Chronic Spinal Cord Injury via Transient Opening of Blood-Spinal Cord Barrier Using Low-Intensity Focused Ultrasound	F M Moinuddin, PhD
Immunomodulatory and Regenerative Effects of Electrical Stimulation following Spinal Cord Injury	Ahad M. Siddiqui, PhD
Content Validity of a New Nutrition Knowledge Questionnaire for Individuals with Spinal Cord Injuries and Disorders	Ricardo Battaglino, PhD
miR-19a and miR-19b Mediate Neuroinflammation and Neuropathic Pain through Nurr1 and Nur77 Downregulation Following Spinal Cord Injury	Ricardo Battaglino, PhD
Preclinical Efficacy and Clinical Pathway of ExoPTEN: A Novel Exosome-Based Therapy for Acute Spinal Cord Injury	Nachshon Knoller, MD

2025 SCIENTIFIC MEETING

GENERAL SESSIONS

TUESDAY JUNE 3, 2025 *All Program times are in Mountain Standard Time (MST)*

ORAL PRESENTATIONS

PRESENTERS

GENERAL SESSION 4: Measurements & Outcomes: If you are Not Measuring, you are Just Practicing

10:40 AM - 11:40 AM / Moderator:

Revisiting the Definition of Complete SCI in the International Standards for Neurological Classification of Spinal Cord Injury (ISNCSCI)	Rüdiger Rupp, Prof. Dr.-Ing., FASIA
The Sodium-Glutamate Antagonist Riluzole Improves Outcome after Acute Spinal Cord Injury: Results from RISCIS Randomized Controlled Trial Using a Global Statistical Analytic Technique	Karlo Pedro, MD
The Disability Tax: Developing a Person-Centered Economic Model to Calculate the Real Cost of Living with SCI	John Chernesky
The Electrosacogram (ESG): A Point-of-Care Electrophysiological Method for Transforming Neuro-Sacral Assessment Following Spinal Cord Injury/Lesion	Andreane Richard-Denis, MD, MSc
Early Surgery Improves Neurological, Functional, and Quality of Life Outcomes in Acute Traumatic Spinal Cord Injury: A Global Endpoint Analysis of 470 Patients from the Spine Trauma Study Group (STSG) Prospective Cohort	Karlo Pedro, MD
Local Motor Score Context Provides Additional Insights into Neurological Recovery after Spinal Cord Injury	Louis Philipp Lukas, MSc

ORAL PRESENTATIONS

PRESENTERS

GENERAL SESSION 5: Cardiovascular: Getting to the Heart of the Issue: SCI Cardiovascular Topics

10:40 AM - 11:40 AM / Moderator:

Risk of Ischemic Stroke is Elevated in the First Five Years after Onset of Spinal Cord Injuries and Disorders in US Veterans	Rafer Willenberg, MD, PhD
The Systemic Impact of Mild Intermittent Hypoxia on Autonomic Function, Sleep, Cognition, and Mitochondrial Function in Individuals with Incomplete SCI	Gino Panza, PhD
Physiological Adaptations Following 16-Weeks of Functional Electrical Stimulation with Dietary Intervention in Spinal Cord Injury	Jesse Brenman, BS
Safe Sex: Reducing Autonomic Dysreflexia During Sexual Vibrostimulation using Non-Invasive Neuromodulation	Raza N Malik, PhD
Cardiovascular Safety of Transcutaneous Spinal Cord Stimulation in Cervical Spinal Cord Injury	Soshi Samejima, DPT, PhD

GENERAL SESSIONS

TUESDAY JUNE 3, 2025 *All Program times are in Mountain Standard Time (MST)*

ORAL PRESENTATIONS

PRESENTERS

GENERAL SESSION 6: Clinical Trial Updates: Clinical Trials: What's the Latest and When Will it Get Here?

10:40 AM - 11:40 AM / Moderator:

Multistakeholder Panel Discussion Aimed at Optimizing Clinical Trials in Spinal Cord Injury	Kim Anderson-Erisman, PhD, FASIA
A 16-week Placebo-controlled Phase 1b/2a Study of NVG-291: Results for the Chronic Cohort	Daniel D Mikol, MD, PhD
Cognitive Alteration in Patients with Acute and Chronic Spinal Cord Injury and Their Comparison with Hospitalized Trauma Patients and Healthy Individuals	Carolina Bravo Lanz
Clinical Protocol for Gait Facilitation after SCI Using Electrical Stimulation of Midbrain Locomotor Circuits	Brian Noga, PhD
Safety and Feasibility of Spinal Cord Transcutaneous Stimulation in the Early Time Period After Spinal Cord Injury	Einat Haber, MD
Spinal Cord Transcutaneous Stimulation for Cardiovascular Regulation Early After Spinal Cord Injury. Is it Safe, Feasible and Effective? Preliminary Findings	Einat Haber, MD

ORAL PRESENTATIONS

PRESENTERS

GENERAL SESSION 7: Activity-Based Training: Get Up and Get moving: Importance and Challenges of Movement and Exercise to Improve Outcomes in Acute through Chronic Stages of SCI

3:00 PM - 4:00 PM / Moderator:

Changes in Physical Activity Determinants and Behavior Based on Exerciser Status after Group Exercise	Margaret Finley, PT, PhD
Do Overground Robotic Exoskeletons Enhance Mobility During Inpatient Rehabilitation after Incomplete Spinal Cord Injury?	Lindsey Wynne, PT, DPT, NCS
Enhancing Exercise Adherence in Individuals with Spinal Cord Injury Through a Home Exercise App: Development and Usability Testing	Alex W.K. Wong, PhD, DPhil
A Novel Combined Neuromodulation Therapy to Enhance Balance and Neuroplasticity after Incomplete SCI	Shirin Tajali, MD
Final Results from The PROMPT-SCI Study : A Single-Arm Proof-of-Concept Trial of Early In-Bed Leg Cycling Following Acute Traumatic Spinal Cord Injury	Andreane Richard-Denis, MD, MSc
Effectiveness of a Community-Based Exercise Program for Individuals with Motor Incomplete Spinal Cord Injury: A Randomized Controlled Trial	Sungchul Huh, MD, PhD

2025 SCIENTIFIC MEETING

GENERAL SESSIONS

TUESDAY JUNE 3, 2025 *All Program times are in Mountain Standard Time (MST)*

ORAL PRESENTATIONS

PRESENTERS

GENERAL SESSION 8: Psychosocial: Navigating the SCI Landscape: The Interplay of Health, Technology, and Social Factors

3:00 PM - 4:00 PM / Moderator:

Hazard of Early Departure from The Labor Force after Spinal Cord Injury: Relationship with Employment Factors, Socioeconomic Status, and Race Ethnicity	James Krause, PhD
Self-Reported Use of Benzodiazepines Among a Cohort with Chronic Spinal Cord Injury In the Southeastern USA: Associations with Demographic, Injury, and Opioid Use Characteristics	Maria Nicole D. DiPiro, PhD
Lived Experience with Implanted Neurotechnology: How Individuals with Spinal Cord Injury Make Meaning of Technology Use and Clinical Trial Participation	Anne Bryden, PhD, OTR/L
Influence of Psychosocial Resources in the Relationship Between Pain and Quality of Life in Adults with Spinal Cord Injury	Muna Bhattarai, PhD, RN, CRC
Quality Improvement Initiative to Identify Individuals with SCI/D at Risk for Major Depression and Anxiety During Inpatient Rehabilitation	B. Catharine Craven, BA, MD, MSc, FRCPC, FASIA, FCAHS
Does Resilience Mitigate the Extent of Prescription Opioid Use and Misuse Among People with Chronic Spinal Cord Injury?	James Krause, PhD

ORAL PRESENTATIONS

PRESENTERS

GENERAL SESSION 9: Mixed Papers 1: Risk-y Business in SCI : Predictive Analytics and Practical Aspirations

3:00 PM - 4:00 PM / Moderator:

Development of Acute and Late Spasticity following Traumatic Spinal Cord Injury: Prevalence, Clinical Predictors and the Impact of Initial Severity of The Injury	Andreane Richard-Denis, MD, MSc
A Qualitative Examination of the Life Course Considerations Influencing the Housing Experiences of Persons with Spinal Cord Injury / Dysfunction	Sander L. Hitzig, PhD
Performance of Clinical Experts in Predicting Walking after Spinal Cord Injury in Comparison with Machine Learning	Louis Philipp Lukas, MSc
Bedside Sacral Electromyography as a Novel Method for Early Detection of Neurogenic Bladder Dysfunction following Acute Incomplete Thoracolumbar Injury/Trauma: A Proof of Concept Study	Andreane Richard-Denis, MD, MSc
Association of DNA Methylation Signatures with Traumatic Spinal Cord Injury	Ricardo Battaglini, PhD
Clinical Factors Associated with Neurological Recovery following Acute Traumatic Cervical Spinal Cord Injury: Analysis of 655 Prospectively-Accrued Cases from the NASCIS 2 and NASCIS 3 Clinical Trials.	Julio Furlan, MD, LLB, MBA, PhD, MSc, FRCPC, FAAN, FASIA

GENERAL SESSIONS

WEDNESDAY JUNE 4, 2025 *All Program times are in Mountain Standard Time (MST)*

ORAL PRESENTATIONS

PRESENTERS

GENERAL SESSION 10: Mixed Papers 2

9:00 AM - 10:00 AM / Moderator:

The Effect of Home-Based Neuromuscular Electrical Stimulation-Resistance Training and Protein Supplementation on Lean Mass in Persons with Spinal Cord Injury	Sven Hoekstra, PhD
Lower Limb Pointing to Assess Intersegmental Dynamics After Incomplete Spinal Cord Injury and the Associated Role of Proprioceptive Impairments	Raza N Malik, PhD
Content Validity of a New Nutrition Knowledge Questionnaire for Individuals with Spinal Cord Injuries and Disorders	Rena Steiger-Chadwick, MPH & Sherri LaVela, PhD, MPH, MBA
Diagnoses and Procedures During “Treat and Release” Emergency Department Visits for Pediatric Traumatic Spinal Cord Injury in the United States	James A.G. Crispo, MSc, PhD
Two versus Four Doses of Intravesical Lactobacillus Among People who Manage their Bladders by Intermittent Catheterization	Suzanne Groah, MD, MSPH
Quality Improvement Project for the Gynecological Care of Women after Spinal Cord Injury: Step I, Discovery	Claudia I. Martinez, MD



2025 SCIENTIFIC MEETING

AWARD-ELIGIBLE POSTERS

Basic Science / Animal Models

Rapid-Onset, Short-Duration Induction of Colorectal Contractions and Defecation in Spinal Intact and Spinal Cord Injured Rats

Lesley Marson, PhD

Imaging

Responding to Transcutaneous Spinal Stimulation for Upper Extremity Recovery: A Midsagittal Tissue Bridge Case Series

Andrew C. Smith, PT, DPT, PhD

Neuromodulation

Acute Effects of taVNS On Wrist Extensor or Extensor Digitorum Corticospinal Excitability in People with Chronic Incomplete Cervical Spinal Cord Injury

Allison Foster Lewis, DPT, PhD

Midbrain Locomotor Circuit Activation of Periaqueductal Grey – Potential Role in Locomotion and Pain Modulation after SCI?

Brian Noga, PhD

Measurement and Outcomes Instruments

Predicting Functional Walking at Discharge from Inpatient Rehabilitation After Traumatic Spinal Cord Injury: A Single-Site Retrospective Validation Study

Jonathan Ripic, PT, DPT, NCS

Recovery of Sensory Function after Traumatic or Ischemic Spinal Cord Injury (SCI)

Chloe Lefevre

Motor Control

Fatigue Properties of the First Dorsal Interosseous after Incomplete Spinal Cord Injury

Christina Whang, B.Kin., MSc Candidate

Psychosocial

Developing the PedsADAPSS: A New Measure for Assessing Cognitive Appraisals in Pediatric Spinal Cord Injury

Kyle Deane, PhD

Rehabilitation

Midsagittal Tissue Bridges and Walking Ability 1-Year Post Spinal Cord Injury

Wesley Thornton, PT, DPT, PhD(c)

SCI Knowledge Dissemination/ Implementation into the Community

A Single Center Evaluation of adherence to the PVA SCI Clinical Practice Guidelines

Nikhil Nair, BA

From Homefront to Battlefield: A Comparative Study on The Priorities for Recovery in Individuals with Spinal Cord Injury

Omer Faraz, MD Candidate

Urology

Development of a Reusable Smart-Catheter System for Improved Urinary Health Monitoring

Zhi Dou, MS

POSTERS

Accessibility / Public Health

Assessing Community Needs of Individuals with Spina Bifida and their Families

Ava S. Jefson

Clinical And Sociodemographic Characteristics In Non-Traumatic Spinal Cord Injury At The National Rehabilitation Institute “Luis Guillermo Ibarra Ibarra” 2015-2023, Mexico.

Valeria Polet Olivares González, MD

Costs of Treatment of Patients with Post-Traumatic Spinal Cord Injury in a Reference Hospital In Mexico

Carlos Fernando Godínez González, MD, MSc

Activity-Based Training

Impact of the Americas Committee of ASIA Research Course on Professional Practices

Melina Longoni, MD

Acute Care

A Comprehensive Analysis of Traumatic Atlanto-Occipital and Atlanto-Axial Dislocations: A Case Series from a Level One Trauma Center

Henry Krasner, BS

Autonomic Dysreflexia Complicated by Metastatic Paraganglioma

Zakari R Dymock, MS, MD

Aging

Engaging the Spinal Cord Injury Inter-professional Team to Advance Age-Friendly Care

Sunil Sabharwal, MD, SCI Chief, VA

Assistive Technology

Reversing the Trend: Clinical Strategy to Reduce Incidence and Impact of Wheelchair Repairs in Spinal Cord Injury Rehabilitation

Blake Edwin Perkins, PT, DPT, ATP

Effects on Pressure Relief Activity and Technology Adoptability by A Real-Time System for Monitoring, Feedback, and Training to Prevent Pressure Injuries In Individuals With Spinal Cord Injury

Jack Janett, BS

Basic Science / Animal Models

Bioengineering Strategies to Facilitate Axon Growth after Spinal Cord Injury

Matthew Neehouse, PT, DPT

POSTERS

Basic Science / Animal Models, continued

Tissue engineering approach for functional recovery following spinal cord injury

Leena Rajendra Chaudhari, PhD, MS

Cardiovascular

Stabilizing the Blood Pressure Pendulum Following Spinal Cord Injury using Noninvasive Spinal Neuromodulation

Rahul Sachdeva, PhD

Long-Term Facilitation of Heart Rate and Blood Pressure Variability Following Daily Mild Intermittent Hypoxia in Individuals with Motor Incomplete Spinal Cord Injury

Gino Panza, PhD

Postprandial Satiety and Metabolic Responses in Men With and Without a Spinal Cord Injury

Gary J. Farkas, PhD, MSCTI

Passive Heat Therapy to Improve Cardiometabolic Health in Persons with a Spinal Cord Injury

Sven Hoekstra, PhD

Case Study

Experience with Diaphragmatic Pacemaker. In a Person with Spinal Cord Injury. Single Case Report

Dr. Diego uberti, Licenciado en kinesiología y fisioterapia. Medico especialista en rehabilitacion

Neurological Sequelae of Restrictive Dietary Practices: The Role of Multidisciplinary Rehabilitation, Education, and Primary Care

Ashley Covatto, DO

Overcoming Diagnostic Oversights in a Traumatic Spinal Cord Injury Patient with Delayed Diagnosis of Multiple Myeloma: A Case Report

Ashley Covatto, DO

Posterior Spinal Artery Syndrome in the Cervical Cord: A Misdiagnosed Case

Elena Posanti, MD

Successful Completion of Medical School with Physical Disability from Cervical Spinal Cord Injury: A Case Report

Claudia I. Martinez, MD

A Case Study on Historic Controls for Clinical Trial Designs

Miklovana Tuci, MSc

Heterotopic Ossification in Spinal Cord Injury with a Normal Alkaline Phosphatase in the Setting of an Inpatient SCI Rehabilitation: A Case Report

Isabel Nip, MD, MS

Secondary Blood Pressure Effects of a Neuroprosthesis for Trunk Control

C. Eric Heidorn, MS, ABD

Chronic Care

Factors that Restrict Standing in the Daily Life Routine of Persons with Spinal Cord Injury in Argentina

Federico Nicolas Llanos, OT

Clinical Trial Updates

Study Design: Delivery of Oligodendrocyte Progenitor Cells for Spinal Cord Injury: Evaluation of a Novel Device (DOSED) Study

Michael Lauw, MSW

Community Re-Integration and Participation

Use and Type of DME In Activities of Daily Living in Patients with Spinal Cord Injury after Discharge from a Neurorehabilitation Center: Preliminary Results

Paula Teresa Cañás, OT

Life After Spinal Cord Injury: Latin American Experiences

Melina Longoni, MD

COVID 19

Mortality due to COVID-19 Among Persons with Spinal Cord Injury in the United States: 2020-2022

Michael J DeVivo, DrPH, FASIA

Electrophysiology

Motor Unit Properties of Key Upper Limb Muscles after Incomplete Spinal Cord Injury

Mathew Debenham, PhD

Health Access for Mobility Impaired

Barriers and Facilitators to Breast Cancer Screening with Mammography Among Women Veterans with Spinal Cord Injuries and Disorders

Elizabeth Hulén, PhD

Plans to Improve the Gynecological Care of Women after Functional Decline

Claudia I. Martinez, MD

Imaging

Validation of Novel Mathematical Model of Muscle Thickness for Quantitative Neuromuscular Ultrasound in Spinal Cord Injury

Emmanuel Ogalo, Bkin, MSc

Measurement and Outcomes Instruments

Hounsfield Units and Association with Outcomes in Acute Traumatic Spinal Cord Injury: A TRACK-SCI Study

John H. Kanter, MD

Associations between Spatially Adjacent Below-Level Dermatomes in Spinal Cord Injury with a Focus on Dermatomes Innervated by Distant Roots

Christian Schuld, Dipl.-Infom. Med

Data-Driven Prediction of Spinal Cord Injury Recovery: An Exploration of Current Status and Future Perspectives

Miklovana Tuci, MSc

Design and Development of Flexible Potentiometric pH Sensors for a Reusable Smart-Catheter Platform

Erika Solano, MS

Metabolic / Obesity / Nutrition

Status of the Knowledge that Health Professionals Have about the Nutrition of People with Spinal Cord Injuries in Latin America (LA)

Melina Longoni, MD

Management of Obesity and GLP-1 agonists; Does the Prescription Rates vary among obese SCI Vs Non-SCI Patients? a Retrospective Cohort Study

Dilshad Hunain Al Arabia, MD

Mixed

A Comprehensive Systematic Review on Sleep Disorders in People Living with Spinal Cord Injury

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

Neural Plasticity

Ventilatory and Cardiovascular Plasticity following Acute and Daily Mild Intermittent Hypoxia in those with Motor Incomplete SCI

Gino Panza, PhD

2025 SCIENTIFIC MEETING

POSTERS

Neuromodulation

Implanted Myoelectric Control for Trunk and Exercise for Neuromuscular Stimulation

Kevin Foglyano

Notes from the Field: Spinal Stimulation in a Community-Based Clinic

Emma Buckley, PT, DPT, ATC

The Neuromodulatory Effect of Different Parameters of Transcutaneous Spinal Stimulation in Humans with Spinal Cord Injury

Matthias Krenn, PhD

Nursing

Prevalence of Mucus and Sediment in Urine and their Association with Urinary Tract Infections in Spinal Cord Injury Patients Using Intermittent Catheterization

Jessica Simmons, DNP, APRN, FNP-C, CWON, DNC

Exploring Preferences for Intermittent Catheterization: Results from a Continence Care Registry

Jessica Simmons, DNP, APRN, FNP-C, CWON, DNC

Pediatrics

"I Was a Wheelchair Kid" Podcast Series: Introducing A New Resource For Adolescents

Allen Heinemann, PhD

Primary Care

Enhancing Healthcare for SCI/D Veterans with Diabetes and Hypertension: A Quality Improvement Initiative Centered on Patient-Oriented Evidence That Matters (POEMs)

Pavel Burskii, SCI Fellow

Psychosocial

Health Disparities and Individual-Specific Factors Predicting Functional Outcomes at 12 Months: Results from the SCI Model Systems

Ana Valeria Aguirre Guemez, MD

A Scoping Review on the Influence of Housing on the Health and Wellbeing of People with Spinal Cord Injury/ Dysfunction

Sander L. Hitzig, PhD

Interpersonal Violence Against People with SCI: A Qualitative Study

Susan Robinson-Whelen, PhD

Rehabilitation

Developing a Continuum of Women's Health to Identify Gaps In Research and Areas to Intervene

Jennifer Coker, PhD, MPH, FASIA

Neurophysiological Recovery following Nerve Transfer Surgery to Restore Upper Limb Function in Acute Cervical Spinal Cord Injury

Kyle Missen, PhD

The Effect of Tamoxifen on the Gut Microbiome of Female Rats After Spinal Cord Injury

Luis H. Pagan Rivera, PhD Student

Comparative Analysis of Recovery Trajectories in Spinal Cord Injury: The Impact of Polytrauma on Rehabilitation Outcomes

Sean Li, BS

Heart Rate Variability During Urinary Bladder Catheterization in Individuals with Spinal Cord Injury: Anxiety vs. Sensory Activation During Catheterization

Fiona Huang, MHS, BKin

What Factors Influence the Acceptance and Use of Generative Artificial Intelligence (AI) Among Graduate Students in Rehabilitation Medicine?

Alberto Isaac Perez Sanpablo, PhD

The Role of Androgens in Neurophysiological And Autonomic Function in Men With SCI

Jacob A. Goldsmith, PhD

Functional Electrical Stimulation combined with Respiratory Muscle Training Improves Cough effectiveness in Tetraplegic Patient

Stephane Philippe-Ratway, MS, CCC-SLP

Sleep Disturbances in Individuals with Spinal Cord Injury Treated at the National Institute of Rehabilitation

Ana Karen García Ramírez, MD

Rehabilitation Challenges and Management of Autonomic Dysreflexia in a Patient with Chronic Spinal Cord Injury Following Diaphragmatic Pacer Placement: A Case Report

Alexandra Wolfe, DO

Kayak Training vs Aerobic Resistance Exercise: Effects on Cardiovascular Condition in Patients with Spinal Cord Injury, Preliminary Results

Javier Antonio Veliz Chinchilla

Characterization of the Center of Mass in Post-Spinal Cord Injury Gait

Gabrielle Labrozzi, PhD Candidate

Effect of Kayak Ergometer Training Compared with Aerobic Endurance Circuit Exercise on the Metabolism of Individuals with Spinal Cord Injury. Preliminary Results

Erika Carolina Zenteno Castro

Inclusion of Non-Traumatic Spinal Cord Injury in National Traumatic Spinal Cord Injury Registries: Preliminary Findings and Lessons Learned from the United States and Canada

Yuying Chen, MD, PhD

Functional Prognosis of Patients with Spinal Cord Injury using Machine Learning

Eduardo Cabanas, PhD

Rehabilitation Therapy

Effect of Immersive Virtual Reality Rehabilitation Based on Kayak Paddling on Trunk Independence and Balance in Spinal Cord Injury Patients: A Pilot Study

Irma Guadalupe Lozano Rodriguez

The Effect of the Lokomat Free-D Module on Gait Ability in Individuals with Spinal Cord Injuries

Su Ji Lee, Professor

Impact of the Community Environment on Wheelchair Propulsion In Individuals with Spinal Cord Injury

Martín del Castillo, PT

Paired Vagus Nerve Stimulation and Upper Extremity Rehabilitation Following Spinal Stroke

Rose Tilton, OTD, OTR/L

SCI Knowledge Dissemination/ Implementation into the Community

Cognitive Impairments in Individuals with Spinal Cord Injury and Their Association with Respiratory Parameters

Miyuki Mariana Takata Rodriguez, MD

Sex / Fertility

Complications of Intrauterine Devices in Patients with Spinal Cord Injury

Hans Anderson, MD, PhD

POSTERS

Skin

Long Term Follow-Up of Wounds after Discharge from Acute Inpatient Rehabilitation

Radhika Sharma, MD

Spine Surgery

Optimizing Outcomes for Spinal Cord Injury Patients: Insights from a 3-Tier Health Service Delivery Model in Nepal

Haley Nadone, BS

Translational Research

Standardized Thoracic Spinal Cord Injury Model Platform for SCI Research

Johana Bastidas, MD

Upper Extremity Function

The Impact of the Novel ExaStim® Device on the Targeted Recovery of Upper Extremity Motor Function in an Individual with Tetraplegia: A Case Study

Emily Leonard, PhD

Urology

Increased Bladder and Bowel Complications in Persons with Spinal Cord Disorders and Post-Acute Sequelae of COVID-19: A Retrospective Review

Christina V. Oleson, MD

Late Breaking Posters to be Announced in February!

