

DRAFT PROGRAM

Thursday, April 23 - PRECOURSE 2

**Advancing Recovery through Epidemiologic, Psychosocial, and Biological Insights
from the SCI Model Systems Network (2021–2026)**

Central Time Zone	Session Title	Presenters
7:30 AM - 8:30 AM	Breakfast / Registration	
9:00 AM - 9:15 AM	Welcome and Introduction	Jeanne Zanca
9:15 AM - 10:45 AM	Session 1: Epidemiology, Health Systems, and Financial Considerations	
	1.1 Changing Demographics and Injury Profile of New Traumatic Spinal Cord Injuries in the United States,1972-2024	Yuying Chen, MD, PhD
	1.2 Non-Traumatic Spinal Cord Injury Etiology: US SCI Model System Pilot Study Experience	Ronald Reeves, MD
	1.3 The Financial Assistance Needs of People Living with Spinal Cord Injury in the United States: Insights from 2 Mixed Methods Study	Amanda Botticello, PhD, MPH
	1.4 The Relationship Between Variation in County Healthcare Resources and the Occurrence of Medical Complications After Spinal Cord Injury	Lauren Murphy, PhD
	1.5 Medicare Fee-For-Service (FFS) Prices, Expected Rehabilitation Length of Stays, Provider Charges, Payments for Patients with Traumatic Spinal Cord Injury by Case-Mix Group, 2013-2022	Anne Deutsch, RN, PhD
	1.6 Risk of Unintentional Injuries after Traumatic Spinal Cord Injury	Edelle Field-Fote, PT, PhD
10:45 AM - 11:00 AM	Break (15 minutes)	
11:00 AM - 12:15 PM	Session 2: Psychosocial Interventions and Outcomes	
	2.1 Prevention of Posttraumatic Stress: A RCT of Modified Brief Prolonged Exposure Therapy (Brief PE) During Inpatient Rehabilitation Post Spinal Cord Injury (SCI)	Mark Powers, PhD
	2.2 Correlates of Psychological Health and Well-being Among Women with SCI	Susan Robinson-Whelen, PhD
	2.3 Resilience adds Modest Predictive Value Beyond Depression for Pain Intensity One Year after Spinal Cord Injury	Elizabeth Felix, PhD
	2.4 Factors Associated with Opioid Use in Adults with Chronic Pain after SCI	Ricardo Battaglini, PhD
	2.5 Sex Differences in Violence Related SCI At Baseline and Psychosocial Outcomes	Librada Callender, PhD
12:15 PM - 1:15 PM	Lunch (on your own)	
1:15 PM - 2:15 PM	Session 3: Autonomic and Organ Function, and Aging	
	3.1 Validation of MENTOR Tool to Describe Bowel Dysfunction in Inpatient Rehabilitation Setting	Kim Anderson, PhD James Wilson, DO

	3.2 Feasibility of Conducting the International Standards to Document Autonomic Function following SCI during Inpatient Rehabilitation	Jill Wecht, EdD
	3.3 Potential Benefits of Transspinal Stimulation and Blood Flow-Restricted Exercise on Respiratory and Cardiovascular Function in Individuals with Tetraplegia.	Ashraf S. Gorgey, PhD
	3.4 Development and Validation of a Spinal Cord Injury Hospitalization Risk Index using Machine Learning	Mark Peterson, PhD
2:15 PM - 3:15 PM	Session 4: Community Participation and Physical Activity	
	4.1 Impact of Time and Negative Health Events on Longitudinal Physical Independence and Social Participation Among Individuals with Chronic SCI	Philip Requejo, PhD prequejo@ranchoreserch.org
	4.2 Community Transportation Resources, Social Network Characteristics, and Self-Reported Loneliness Among Newly Injured Individuals with Traumatic Spinal Cord Injury	Chloe Slocum, MD, MPH
	4.3 Association of Meeting Physical Activity Guidelines with Psychosocial and Health Outcomes in Individuals with Traumatic Spinal Cord Injury	Kimberley R. Monden, PhD
	4.4 Wheelchair Skills Training in Clinical Practice: A Survey of Confidence, Performance, And Utilization	Lauren Malacarne, DPT
3:15 PM - 3:30 PM	Refreshment Break (15 minutes)	
3:30 PM - 4:45 PM	Session 5: Recovery of Neurological Function and Mobility Functional Recovery	
	5.1 Myotome Conversion from Zero as a Primary Outcome of Neurorecovery	Suzanne Groah, MD
	5.2 SCI And Patient-Specific Factors Predicting Functional and Neurological Recovery Among People with Tetraplegia	Ana Valeria Aguirre-Guemez, MD
	5.3 Upper Extremity Measures in SCI: Baseline Validity and Prediction of Functional Independence”	Candy Tefertiller, PT, DPT, PhD, NCS
	5.4 Beyond Walking vs. Wheeling: One-Year Mobility Outcomes After Spinal Cord Injury Using the SCI-FI/AT Findings from the Model Systems Database	Lynn Worobey, PhD, DPT, ATP
	5.5 Neurological Changes During Inpatient Rehabilitation in Persons with Non-traumatic Spinal Cord Injury	Kazuko Shem, MD
4:45 PM - 5:00 PM	Discussion/Summation	
		Leslie Morse, DO

The contents of this educational program were developed under several grants from the National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR). NIDILRR is a Center within the Administration for Community Living (ACL), Department of Health and Human Services (HHS). The contents of this program do not necessarily represent the policy of NIDILRR, ACL, HHS, and you should not assume endorsement by the Federal Government.