

RehabWeek 2025 Poster Schedule					
Session	Order	Poster No	Society	Abstract Title	Presenter
Tuesday, May 13 09:00 - 09:45	1	PP-002	ICORR	Abnormal Synergies and Muscle Weakness Identified in Stroke Survivors Via Wrist Position Probability Distributions	Adith Srivatsa
Tuesday, May 13 09:00 - 09:45	2	PP-008	IFESS	Non-Invasive Brain-Controlled Spinal Stimulation for Enhancing Neuro-motor Recovery in Incomplete Spinal Cord Injury	Atsushi Sasaki
Tuesday, May 13 09:00 - 09:45	4	PP-015	RESNA	Design and usability of the PURE ballbot wheelchair	Elizabeth Hsiao-Wecksler
Tuesday, May 13 09:00 - 09:45	5	PP-027	ISVR	Research into Co-Design Methods for the Design of a Virtual Rehabilitation Clinic	Stephanie Jansen-Kosterink
Tuesday, May 13 09:00 - 09:45	6	PP-024	IFESS	Transcutaneous Spinal Cord Stimulation for Motor Facilitation During Cy-cling in Individuals with Spinal Cord Injury: A Proof-of-Concept Study	Irene Reginaldi
Tuesday, May 13 09:00 - 09:45	7	PP-020	ICORR	Feasibility and Acceptability of the Somnomat Casa Rocking Bed As a Stimulation Substitute for a Patient with Rhythmic Movement Disorder	Alexander Breuss
Tuesday, May 13 09:00 - 09:45	8	PP-042	ACRM	Thinking while falling forward: an EEG study on reactive postural control in older adults	Ananda Sidarta
Tuesday, May 13 09:00 - 09:45	9	PP-045	INRS	Effectiveness of Repetitive Transcranial Magnetic Stimulation Over Primary Somatosensory Cortex Enhance Upper Limb Motor Activity in Stroke Patients. A Pilot	Alfredo Lerin Calvo
Tuesday, May 13 09:00 - 09:45	10	PP-048	ICORR	A Control Method for Transtibial Prosthesis with Bilateral Leg Data	Aniket Mazumder
Tuesday, May 13 09:00 - 09:45	11	PP-058	ACRM	Development and Validation of the Gait Deviation Index for individuals with Multiple Sclerosis	Alexander Barry
Tuesday, May 13 09:00 - 09:45	12	PP-084	ICORR	A Novel Elastic Model for Exoskeleton-User Coupling Interfaces	Christian Mele
Tuesday, May 13 09:00 - 09:45	13	PP-088	IFESS	Feasibility and Tolerability of Operant Conditioning of the Triceps Surae Cutaneous Reflex in Individuals With Chronic Incomplete Spinal Cord Injury	Alan Phipps
Tuesday, May 13 09:00 - 09:45	14	PP-096	ICORR	Cardiovascular Assessment of Manual Wheelchair Users with 6-Minute Push Test: VO2 Formula	Madisyn Adelman
Tuesday, May 13 09:00 - 09:45	15	PP-108	INRS	Movement-Gated Transcutaneous Auricular Vagus Nerve Stimulation: A Feasibility Study for Stroke Rehabilitation	Clément Lhoste
Tuesday, May 13 09:00 - 09:45	16	PP-111	ICORR	Design and Application of Vibrotactile Feedback to Influence Gait Symmetry	Chris Awai Easthope
Tuesday, May 13 09:00 - 09:45	17	PP-120	ACRM	Engineering an Open-source Motion Capture Platform to Characterize Abnormal Gaits for Resource-limited Environments	Alexander Dyer
Tuesday, May 13 09:00 - 09:45	18	PP-113	ICORR	Automated Prediction of Item-Level ARAT Scores from Wearable Sensors	Chris Awai Easthope
Tuesday, May 13 09:00 - 09:45	19	PP-121	ISVR	Calm in Connection: The Role of Technology-Supported Mindfulness Interventions for Maternal Depression	Bruno Bonnechère
Tuesday, May 13 09:00 - 09:45	20	PP-130	ICORR	The Relationship between Stroke-Related Cognitive Impairment and Robotic Proprioceptive Assessment	Caitlin Callaghan
Tuesday, May 13 09:00 - 09:45	21	PP-194	ACRM	Evaluating the Effectiveness and Usability of the TCI Mobile App as an Adjunct to Constraint-Induced Movement Therapy: A Randomized Controlled Trial in Stroke	Natalia Duarte Pereira
Tuesday, May 13 09:00 - 09:45	22	PP-131	ICORR	Can Learning from Demonstration Approaches Encode and Generalise Human Movements for Neurorehabilitation?	Jia Quan Loh
Tuesday, May 13 09:00 - 09:45	23	PP-220	IFESS	Scalable Design of Dry, Flexible Textile Electrodes in User-Friendly Adjustable Sleeve	Stephanie M. DiNunzio
Tuesday, May 13 09:00 - 09:45	24	PP-216	ICORR	Biplanar Ankle Assistance for Dropfoot Gait Post-Stroke with Multi-Objective Human-In-The-Loop Optimization: A Case Study	Elena Gutierrez-Farewik
Tuesday, May 13 09:00 - 09:45	26	PP-218	ICORR	Implementation and Validation of a Data-Driven Variable Impedance Controller on the Ossur Power Knee	T. Kevin Best
Tuesday, May 13 09:00 - 09:45	27	PP-319	ACRM	Keys Treatment Protocol: How a Client-Centered, Potentially Reimbursable, Redistributed Delivery of Constraint Induced Movement Therapy (CIMT) Optimizes Upper Extremity (UE) Performance	Mary Bowman
Tuesday, May 13 09:00 - 09:45	28	PP-219	ICORR	Towards Magnetically Induced Skin Stretch for Hand Proprioceptive Feedback	Eleonora Fontana
Tuesday, May 13 09:00 - 09:45	29	PP-477	ICORR	Learning Speed-Adaptive Walking Agent Using Imitation Learning with Physics-Informed Simulation	Ung Hee Lee
Tuesday, May 13 15:00 - 15:45	1	PP-227	ICORR	Personalized Range of Motion Scaled Wrist Pointing for Robotic-Based Motor Impairment Assessment	Elijah Rice
Tuesday, May 13 15:00 - 15:45	2	PP-014	MINT	Computer-based Speech and Language Therapy for Dysarthria Rehabilitation – A Pilot Study	Andre Hallack
Tuesday, May 13 15:00 - 15:45	3	PP-242	ICORR	Effects of Deep Core Activation Method Using Wearable Cyborg HAL in a Supine Position for Ameliorating Defecatory Function: A Pilot Study	Hayato Tamai
Tuesday, May 13 15:00 - 15:45	4	PP-106	ACRM	Automating ADL classification from egocentric video using multimodal large language models to support clinical decision-making in neurorehabilitation	Adesh Kadambi
Tuesday, May 13 15:00 - 15:45	5	PP-141	ISVR	A serious game development for safety and confidence with powered mobility device: empathy phase	Philippe Archambault
Tuesday, May 13 15:00 - 15:45	6	PP-246	ICORR	A Customizable Fitting Protocol for the Body-Machine Interface	Fiona Neylon
Tuesday, May 13 15:00 - 15:45	7	PP-183	INRS	Reconnecting Mind and Movement: Walking Rehabilitation in Chronic Spinal Cord Injury enhanced with a Brain-Spine Interface.	Nadine Interling
Tuesday, May 13 15:00 - 15:45	8	PP-254	ICORR	A Task-Agnostic Knee Exoskeleton for Reducing Osteoarthritis Pain across Activities of Daily Life: A Pilot Study	Ernesto Hernandez Hinojosa
Tuesday, May 13 15:00 - 15:45	10	PP-259	ICORR	Measuring Actual Arm Use During Soft-Robotic Glove Use at Home: Single-Case Experimental Design in Patients with Hand Limitations	Gerdienke Prange-Lasonder
Tuesday, May 13 15:00 - 15:45	11	PP-303	ACRM	Balance Subtypes Post-Concussion in Collegiate Athletes: Insights from Static, Dynamic, and Reactive Domains	Cecilia Monoli
Tuesday, May 13 15:00 - 15:45	12	PP-260	ICORR	Development and Validation of a Low-Cost Open-Source Force Myography Band for Hand Gesture Recognition	Giancarlo Sagastume
Tuesday, May 13 15:00 - 15:45	14	PP-336	ICORR	A Task-Agnostic Hip Exoskeleton for Osteoarthritis Pain Relief: Energetic Control across Activities of Daily Life	Jiefu Zhang
Tuesday, May 13 15:00 - 15:45	15	PP-353	IFESS	Stochastic Resonance Electrical Stimulation Enhances Somatosensory Perception in Cerebral Palsy – Pilot Study	Khushboo Verma
Tuesday, May 13 15:00 - 15:45	16	PP-339	ICORR	Robotic Assessment of Cognitive and Motor Impairment in Adults with Sickle Cell Disease	Joana Opong-Duah
Tuesday, May 13 15:00 - 15:45	17	PP-373	INRS	An Exploratory Study of a Wearable Robotic Hand Orthosis in the Chronic Stroke Population in Singapore: Preliminary Results of a Clinic to Home Feasibility Trial	Tegan Kate Plunkett
Tuesday, May 13 15:00 - 15:45	18	PP-375	ICORR	Investigating kinematic and kinetic asymmetries during sit/stand movements with a powered knee-ankle prosthesis: a pilot study	Kellen Waters
Tuesday, May 13 15:00 - 15:45	19	PP-406	IFESS	The Effect of Transcutaneous Spinal Cord Stimulation on Proprioception	Vivian Mushahwar
Tuesday, May 13 15:00 - 15:45	20	PP-399	ICORR	Mapping the Neural Control of Force and Impedance of Wrist Movements Using Robotics and fMRI	Kristin Schmidt
Tuesday, May 13 15:00 - 15:45	21	PP-462	ACRM	Prediction of Long-Term Functional Independence in Traumatic Brain Injury Patients: Insights from a Machine Learning-Based Retrospective Study in a Neurorehabilitation Setting	Roberto Llorens
Tuesday, May 13 15:00 - 15:45	22	PP-411	ICORR	Developing a Methodology for Quantifying Infant Interaction with a Robotic Toy	Mckenzie Davis
Tuesday, May 13 15:00 - 15:45	23	PP-484	ACRM	Immersive Virtual Reality for upper limb motor recovery in subacute stroke survivors: a multicenter randomized controlled trial	Sofia Straudi
Tuesday, May 13 15:00 - 15:45	25	PP-493	ACRM	Feasibility of a Novel Dynamic Wheelchair Armrest for Arm Movement Practice during Subacute Stroke Rehabilitation	Vicky Chan
Tuesday, May 13 15:00 - 15:45	26	PP-449	ICORR	On the Impact of Proprioception in EEG Representations and Decoding During Human-Hand Exoskeleton Interaction	Qiang Sun
Tuesday, May 13 15:00 - 15:45	27	PP-517	RESNA	Cardiovascular Load of Using a Walker-Based Exoskeleton in Children with Cerebral Palsy	Katie Landwehr-Prakel
Tuesday, May 13 15:00 - 15:45	28	PP-481	IFESS	Neural Network Torque Estimation of FES-Activated Quadriceps Using Novel Sparse Wearable Ultrasound Sensors	Vidisha Ganesh
Tuesday, May 13 15:00 - 15:45	29	PP-577	ACRM	Improvement in the Capacity for Activity Versus Improvement in Performance of Activity in Daily Life During Outpatient Rehabilitation	Caitlin Newman
Tuesday, May 13 15:00 - 15:45	30	PP-454	ICORR	A Task-Agnostic Approach to Unified Multi-Activity Gait Phase Estimation Via Bilateral Sensing	Ryan Posh