

Creativity *Still* Abounds!



25th International Seating Symposium • March 12-14, 2009

Table of Contents

Faculty.....	9	IC 6. Telerehabilitation: A Viable Method for Wheelchair Prescription & Rehabilitation Technology.....	65
General Information.....	19	IC7.SeatingEvaluationTechniquesandTools.....	67
Schedule.....	19	PS-2: Establishing Best Practice in Children’s Seating Assessment.....	69
Exhibit Hall 1.....	35	PS-2: Creating a Forum for Planning Sustainable Services.....	71
Exhibit Hall 2.....	36	PS-2: The Benefits of the FEW for the Many.....	73
Exhibitors.....	37	PS-2: The Meaning of Assistive Technology Use.....	75
		PS-2: The Effect of Visual Information in the Appropriate Use of Seating Systems.....	77
		PS-2: Postural Control System Users Manual.....	79
Thursday, March 12, 2009		IC 8. Manual Wheelchair Configuration and Training: An Update on the Evidence.....	81
Sunrise Medical Keynote Address: Expertise and Partnership.....	45	IC 9. Kinesiological and neurological implications related to seating and positioning.....	85
A Randomized Clinical Trial on Preventing Pressure Ulcers with Seat Cushions.....	47	IC 10. Medicare, Medicaid, Private Insurance and the things you may not know Not Know.....	89
Practice Guide for Assessment of Wheeled Mobility and Seating - an Update.....	49	IC 11. Customizing Shape and Contours: Taking away the Challenge.....	91
2012: Universal Design and Common Sense Mobility Solutions for Aging Baby Boomers and People with Disabilities.....	51	IC 12. Commercial Backs—Do They Really Fit?.....	93
IC 1. Seating Prescriptions - Assessment is Done, Now What?.....	53	IC 13. Stand Up & Ride ~ Experiential Exploration of Upright Power Mobility Options.....	95
IC 2. New Power Wheelchair Electronics – An Overview.....	55		
IC 3. Wheelchair Skills Training: Translating Research Evidence into Clinical Practice.....	57	Friday, March 13, 2009	
IC 4. Medicare – Do You Really Know How It Works?.....	59	IC 14. Accessible Airline Transportation.....	99
IC 5. Wheelchair Cushion Performance In Everyday Use and How Wheelchairs Are Used In Everyday Life.....	63	IC 15. Evaluation For Powered Mobility With Children With Significant Delays.....	101
		IC 16. Scientific Summary of the Current Mobility-Related RESNA Position Papers.....	103

IC 17. Assistive Technology for Sports & Recreation ~ You Can PLAY a Role.....	105	PS-4: Enhanced Controls for Persons with Movement-related Disorders.....	145
IC 18. Simplifying Surfaces.....	107	PS-4: Assessment of Wheelchair Maintenance and Repairs Issues in Nursing Homes.....	147
IC 19. Pressure Imaging Tools: The Missing Clinical Link.....	109	PS-4: Are Titanium Ultralight Wheelchairs Better Than Aluminum Ultralight Wheelchairs?.....	149
IC 20. Custom Positioning Devices: Design & Fabrication.....	111	IC 31. I'm Not an Athlete, But I Can Still Play Bingo!.....	151
IC 21. Is One Solution Enough? Combining Technologies for Pressure Management.....	113	IC 32. Realistic Restraint Reduction in Long Term Care.....	153
IC 22. Wheelchair Transportation Safety: Wheelchairs and Seating.....	115	IC 33. Measurement of seated posture and wheelchair seating according to ISO16840-1.....	155
IC23. Transporting Preschoolers and Young Children.....	117	IC34. Wheelchair Maintenance.....	157
PS-3: Impact and usage of pushrim activated power assist wheelchair among individuals with tetraplegia.....	119	IC35. Custom Molded Seating: Beyond the Basics.....	159
PS-3: Manual Wheelchair Propulsion Feedback Training Software.....	121	IC 36. Driving with a Disability – Clinical and Technical perspectives.....	161
PS-3: Personal Mobility and a Manipulation Appliance.....	123	PS-5: Decision Making Process for Wheelchair and Cushion Selection.....	163
PS-3: Risk Factors for Wheelchair Related Falls: Can They Be Prevented?.....	125	PS-5: Relationship Between Centre of Pressure and Postural Stability During Reach.....	165
PS-3: Wheelchair Transfer Strategies to Preserve Shoulder Function.....	127	PS-5: Design and Evaluation of an Obstacle Avoidance System for Power Wheelchairs.....	167
IC 24. The Assessment: On “The Mat” and Taking Client Measurements.....	131	PS-5: Ultrasound Imaging: A Useful Technique in Seating Assessment?.....	169
IC 25. Positioning of the Traumatic Brain Injured Patient in the Inpatient Setting.....	133	PS-5: A Pilot Study to Validate Atmospheric Adjustment of a ROHO © Cushion.....	171
IC 26. Remote Wheelchair Prescription and Selection Using RWS-A.....	135	PS-5: Use of a Recently Developed Test Method to Measure Impact of Design Iterations on Custom Cushion Microclimate.....	173
IC 27. The Disability Movement and Today's Service Delivery Process.....	137	PS-5: Mobility-related AT Device Use among Individuals with Different Types of Multiple Sclerosis.....	175
IC 28. Clinical Considerations with Selection of Adaptive Bathroom Equipment.....	139	PS-5: Dynamic Seating vs Rigid Seating: A Comparison Using 3D.....	177
IC 29. Developing A Personal Pressure Management Plan to Foster Client Adherence.....	141	PS-5: Remote Assessment of Wheelchair Accessibility.....	179
IC 30. Operational and Financial Challenges Facing Rehab Technology Providers.....	143	PS-6: Technical Considerations for Seating Systems in Stand-Up Wheelchairs.....	181

PS-6: Transitioning an Aging Client to High Tech Equipment to Maximize Function.....	183	IC 46. Using Advanced Technology to Reduce Seating Acquired Pressure Ulcers.....	219
PS-6: Custom Abdominal Support for a Bariatric Client.....	185	IC 47. A Lifetime of Care.....	221
PS-6: Mobility Solution for an Individual with Multiple Amputations and Severe Burns.....	187	IC 48. Material Considerations for Wheelchair Frames.....	223
PS-6: Innovative Seating Solution for a Tetraplegic Client with Multiple Impairments.....	189	IC 49. What It Means To Be a Successful RTS in Today's Industry.....	225
PS-6: Hybrid Custom & Conventional Supports as Solution for a Complex Seating Case.....	191	IC50. Seating and Mobility Solutions for Bariatric Customers.....	227
PS-6: Can a Veteran with Complete Blindness Drive a Power Wheelchair?.....	193	IC 51. The Challenge of Using Outcome Measures in Special Seating.....	229
PS-6: The Supported Kneeling Inclined Power Platform SKIPP.....	195	IC 52. Who's Afraid of Tenders and Competitive Bidding?.....	231
IC 37. Tuning to the Organs of Life.....	197	IC 53. Clinical Application of Wheelchair Electronics: Drive Controls and Beyond... ..	233
IC 38. How to Get High Tech Complex Rehab Funded.....	199	IC 54. Implementation of Clinical Practice Guidelines into an Acute Rehab Setting.....	235
IC 39. Getting It Here ASAP: A DME Procurement Model for Acute Rehabilitation.....	201	IC 55. Show Me the Money.....	237
IC 40. Where Does the Time Go? Capturing the Key Steps of Wheeled Mobility Services.....	203	IC 56. Medical, Therapeutic, Orthotic, and Surgical Interventions Addressing Alignment and Muscle Imbalance for Children with Cerebral Palsy -a Brief.....	239
IC 41. To Mould or not to Mould.....	205	IC 57. Challenges of Seating for Children & Adolescents with CP & Dystonia.....	241
IC 42. Mobility & Positioning Considerations for Lymphedema and Lipedema.....	207	IC58. Souping Up the Geriatric Wheelchair User.....	243
Research Forum sponsored by The ROHO Group, Inc. "Why Measure Outcomes?".....	209	Closing Session: Living with Technology.....	245
Saturday, March 14, 2009		Creatively Generating a Sustainable Template for Technology Transfer.....	247
IC 43. Rounding Out the Rehab Picture: Finding Missed Opportunities for Postural Care.....	213	The Impact of Powered Mobility on Quality of Life: Qualitative Thematic analysis.....	249
IC 44. Transitioning through Wheelchair Mobility: Early Childhood through Adolescence.....	215	Title: Driving Power – The Impact of Powered Mobility on Users Quality of Life.....	251
IC 45. Supportive Positioning for Infants with compromised respiratory function.....	217	Development of posture measurement instrument and its clinical application Part2 (reliability and validity testing).....	253
		Wheelchair Securement in Public Transportation.....	255