



**HEALTH CENTRE
FOR CHILDREN**
*an agency of the Provincial
Health Services Authority*

Proudly Presents

28th International Seating Symposium



March 6 – 9, 2012

The Westin Bayshore
1601 Bayshore Drive
Vancouver, BC



Sponsored by



**Sunny Hill Health Centre
for Children**
Vancouver, BC



This program is also available at www.interprofessional.ubc.ca

28th International Seating Symposium

General Information

symposium objectives At the completion of this symposium, participants will be able to:

1. Identify and compare new and existing positioning and mobility equipment
2. Discuss the emerging research evidence supporting seating and mobility practices
3. Locate resources for seating and mobility practice
4. Compare and discuss new seating and mobility techniques and interventions
5. Explain the advantages and disadvantages of a number of innovative service delivery models

symposium description This international symposium addresses current and future developments in the areas of seating, positioning and mobility. Topic areas include service delivery, product development, research and outcomes. The format for the symposium will include plenary, pre-symposium, instructional, paper and poster sessions. Extensive opportunities are provided for networking with colleagues.

location The Westin Bayshore
1601 Bayshore Drive (parallel to West Georgia Street) Vancouver, BC Canada V6G 2V4

hotel accommodation A block of rooms has been set aside at a special rate of CDN \$169.00 (plus tax) for a standard guest room (single/double) available for conference delegates, and will be held based on availability. Please visit <http://www.starwoodmeeting.com/Book/iss2012> to book your accommodation online, or please call toll free: 1-800-937-8461; or +1-604-682-3377 to reserve by phone. Please specify that you are booking under "Seating 2012".

registration **Online:** Secure, fast, online registration is available for Visa and Mastercard holders at the conference organizer's website: interprofessional.ubc.ca.

By Fax: Fax completed registration form to: +1-604-822-4835

Charge-by-phone (please have Mastercard or Visa ready):

Toll free within North America: 1-877-328-7744; Other callers: +1-604-827-3112

Mail: Send the registration form with cheque to:

IN 9541 REGISTRATION, Interprofessional Continuing Education, The University of British Columbia, Room 105-2194 Health Sciences Mall, Vancouver, BC, V6T 1Z3, Canada.

Participants paying by credit card outside of North America: Please inform your credit card company of the transaction as some banks put a block on credit card payments made outside your country.

tuition & symposium syllabus Please see registration form (on back of brochure) for details. To receive the reduced early-bird rates, you must register by Friday, January 6, 2012. The tuition fee includes coffee breaks, reception, certificate of attendance and lunches (provided on Tuesday if you have registered for the pre-symposium). The symposium syllabus will be available online a week prior to the symposium. If you wish to purchase a print copy of the syllabus (to be received on-site), there is an additional \$30 fee (including tax). Pre-registration prior to February 9, 2012 is strongly recommended to ensure you receive all conference materials.

refund, transfer and cancellation Refunds will be made (less a \$50.00 processing fee) if written notice of withdrawal is received by February 9, 2012. No refunds will be granted for withdrawal after that date. There is a \$25 replacement charge in case of a registration transfer. Please contact us prior to February 9, 2012 if you cannot attend and would like another person to come in your place. Sunny Hill Health Centre For Children and UBC Interprofessional Continuing Education reserves the right to cancel or move this program if registration is insufficient. In the event of cancellation, a refund less a \$50 + 12%HST handling charge will be returned.

credits A Certificate of Attendance will be issued to all participants listing pre-approved continuing education credits. RESNA recognizes the continuing education offered by UBC Interprofessional Continuing Education in fulfillment of the requirements to renew ATP certification. For updates in regards to credits see our website: interprofessional.ubc.ca.

vancouver tourism Vancouver provides visitors with many opportunities to experience the West Coast lifestyle. If you would like more information on travelling in the area or other accommodations, please call these numbers or go online:

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28th International Seating Symposium

Pre-Symposium (Tuesday, March 6)

There will be a morning break 10:30-10:45 and lunch (provided you have paid for the pre-symposium) 12:15-13:15, and an afternoon break 14:45-15:00 for all pre-symposium workshops.

8:30 Registration Continental Breakfast

Full Day Sessions (09:00 - 16:30)

PS 1 Sensory Processing, Sensory Integration, and Seating for Independent Task Engagement and Performance, Especially in Children and Adults with Complex Bodies

Karen M Kangas

ADVANCED Sensory processing controls visual convergence, focus, attention, postural control and isolated, graded movement. Its subsequent sensory integration must be supported within the structural components of seating systems, if we intend to provide seating for task engagement. The support of movement, not simply skeletal symmetry, must be provided in seating systems.

Learning Objectives

1. Define the two primary modes of sensory processing, vestibular processing and tactile processing
2. Identify at least three characteristics of seating postures which demonstrate vestibular processing (active engagement) and tactile processing (relaxation)
3. Identify at least three seating components which can be altered to support increased postural control
4. Perform a "feature/match" and comparison/contrast of seating equipment, to provide "features" which will "match" the needs for postural control of the individual being seated
5. Apply and implement assessment and treatment strategies shared to support increased postural control and task engagement when applying seated structures to an activity

PS 2 Complex Wheelchair Seating and Mobility: Custom Options

Jo-Anne Chisholm, Joanne Yip

INTERMEDIATE Complex Wheelchair Seating and Mobility: Custom Options is a hands-on workshop designed to introduce participants to a range of options available when off the shelf products fail to meet your client's specific wheelchair seating needs. No previous experience with custom fabrication is required. Participants will learn about unique health and functional considerations of clients requiring custom seating and how to best match these needs with the various techniques and products available. Demonstration and practice with each technique is an integral part of the day and participants will get the chance to work with skilled custom seating technicians and to handle the different products. Participants will also get the chance to meet clients using high complexity seating and mobility systems.

Learning Objectives

1. Be able to define mild to high complexity seating and mobility needs in clients with varied diagnoses
2. Be introduced to various custom seating and mobility products and techniques
3. Interact with vendors/manufacturers who provide custom seating and mobility options
4. Learn to match seating needs to custom product parameters
5. Practice/observe various custom fabrication techniques and evaluate clients in custom systems

PS 3 Custom Seating System Fabrication

Dave Cooper, Bob Stickney, Mark Dilabio, Gord Broughton, Anna Vouladakis, Janice Evans

Held at Sunny Hill Health Centre

(bus transportation will be provided)

Limited Enrollment (30)

BEGINNER / INTERMEDIATE This workshop will demonstrate the variety of techniques we use to create positioning solutions for clients. Seating modalities for custom positioning of clients with moderate to complex needs will be covered. We will use foam in box, foam in place, and foam and plywood techniques. Modifications of commercial components to meet the needs of clients and caregivers will be presented. There will also be a segment covering alternate positioning solutions, custom components and our dynamic seating components.

Learning Objectives

1. Discuss the mechanisms of fabrication of foam in box, foam in place and foam and plywood techniques
2. Understand the range of modifications possible with commercially available seating systems
3. Discuss three important design principles to consider when selecting or creating custom positioning or dynamic seating components

See Page 4 for morning and afternoon pre-symposium sessions.

Morning Sessions (09:00-12:15)

PS 4 Controlling the Pelvis in Wheelchair Seating. Stable, Not Static
Allen Siekman

INTERMEDIATE Controlling the Pelvis in Wheelchair seating is a balance between restricting and allowing movement. Too much control can compromise function; too little control can compromise posture and stability. In this course, we will examine techniques and equipment used to control pelvic position, improve stability and improve function in wheelchair seating.

Learning Objectives

1. Will be able to describe the relevant anatomy and seating biomechanics principles relative to providing control and stabilization to the pelvis
2. Will learn and the key elements of a mat evaluation for the pelvis, back and lower extremities
3. Will be able to compare the stability provided by belts and other equipment
4. Will be able to describe the benefits and drawbacks from the use of dynamic pelvic supports
5. Will be able to compare the principle types of wheelchair seat cushions relative to pelvic control and stability

PS 5 Aging with a Disability: Clinical and Research Perspectives
Susan Johnson Taylor, David Kreutz, Jean Minkel, Mary Shea

INTERMEDIATE This symposium will provide a review of the research relevant to clinical practice. A suggested approach for evaluating individuals who have been living with a disability will be reviewed. Finally, clinicians from each of the centers will present case studies from their own clinical practices of interventions with clients who are aging with disabilities.

Learning Objectives

1. Will identify two research studies that can be used clinically
2. Will identify two factors relevant to aging with a disability to consider when interviewing the client
3. Will identify two considerations prior to making seating and mobility recommendations

PS 6 “To Integrate or Not to Integrate – That is the Question”
Communicating, Computing, Environmental Controls through the Power Wheelchair

Nicole Wilkins, Jill Harburn, Cheryl Sheffield, Cathy Husken

ADVANCED In the past few years many of the power wheelchair manufacturers have changed and expanded their electronics. Several video case study presentations, along with a practical “hands-on” session, will be used to illustrate the advantages and disadvantages of integrating speech generating devices, computers and environmental controls with various power wheelchair electronics.

Learning Objectives

1. To learn more about how to identify the client’s talking, computing, environmental control needs
2. To describe three advantages and disadvantages to integrating other assistive technologies through the power wheelchair
3. To describe how the main power wheelchair electronics differ in how they operate mouse emulation and environmental controls

Afternoon Sessions (13:15-16:30)

PS 7 You Delivered the Wheelchair, Now What do You Do?
Tina Roesler, Theresa Berner

INTERMEDIATE MANUFACTURER How often do we prescribe a configurable manual wheelchair and then wonder, once it is out of the box: “What adjustments can I do to maximize the function of my client?” During this seminar, therapists will discuss the common issues that they face in the clinic and presenters will walk them through various cases studies and possible solutions or adjustments that can be made to the prescribed equipment.

Learning Objectives

1. List the most critical frame measurements for proper wheelchair fit
2. Identify the functional impact of wheelchair components
3. Accurately describe appropriate wheel position for function and upper extremity health
4. Implement basic wheelchair adjustments independently
5. Identify key adjustments to existing wheelchair frames (case studies) that will improve function

PS 8 Key Topics in Rehabilitation for Persons with Obesity
Pam Hung, Kathryn Fisher, Lili Liu

INTERMEDIATE MANUFACTURER This workshop targets rehabilitation practitioners interested in exploring evidence and practice for persons with obesity. Participants in this session will spend time in a large group session reviewing and discussing the following topics: environmental assessment; seating and mobility; wound and skin care and; self-care and self-management.

Learning Objectives

1. Identify environmental barriers that limit participation for persons with obesity and strategies for change
2. Gain experience in assessment for the prescription of seating and mobility devices for children and adults with obesity
3. Learn about the management of factors impairing wound healing in persons with obesity
4. Raise awareness about and solutions for self-care issues associated with obesity

PS 9 Practical Approaches to Pressure Ulcer Prevention and Management

Linda Norton, Katie Quirk, Elizabeth Hansen

INTERMEDIATE MANUFACTURER The prevalence of pressure ulcers in Canada is 26%, and in the United States 12%. Addressing the cause of pressure ulcers can help reduce this prevalence. This hands-on workshop focuses on managing pressure, friction and shear through seating and mobility equipment, transfer techniques and equipment and therapeutic support surfaces.

Learning Objectives

1. Explore the best practice guidelines for the prevention and management of pressure ulcers
2. Discuss strategies to manage pressure, friction and shear through seating and mobility equipment, transfer techniques and equipment and therapeutic support surfaces
3. Discuss the assessment and goal-setting process, including the distinction between healable, non-healable and maintenance wounds
4. Develop client-centered pressure ulcer prevention and management plans through case studies

Wednesday, March 7

Main Symposium

08:00	Registration	Exhibit Hall Opens & Continental Breakfast
08:30	Opening Remarks	<i>Maureen E O'Donnell</i>
08:45	Keynote Address	Ethics: Caring for Individuals with Disability: The Tyranny of the Measurable and What Individuals with Disability Teach Us About Meaning <i>John Patrick</i>
09:30	Plenary	The Evolution of the Wheelchair in Modern Society <i>Bonita Sawatzky</i>
09:55	Plenary	Changes for a Lifetime – Applicable Guidance from a Caregiver Turned Assistive Technology Professional <i>Michael L Fisher</i>
10:20	Poster Presentations	Each poster presenter will give a 1-minute, 1-slide presentation about their poster.
10:40	Break	Refreshments and Exhibits

11:30 Instructional Session A

A1 A Clinical Investigation of Posture and Breathing in Individuals with Spinal Cord Injury

Jessica J Presperin Pedersen, Julie Wolenski, Brenda Canning

INTERMEDIATE This clinician focused project is in the process of compiling statistical evidence based data that demonstrates efficacy of the postural trunk and abdominal support systems to individuals with SCI. Vital capacity, airflow and sustained phonation in participants with/without an abdominal binder and with/without posterior, sacrolumbar, thoracic support were investigated

Learning Objectives

1. Describe how to complete pulmonary function test and phonation test
2. Explain the relationship between posture and respiratory function in individuals with SCI
3. Demonstrate measurements for pelvic angle in the seated posture

A2 Mobility Prescription from Infancy through Adolescence and Beyond

Roslyn Livingstone, Elaine Antoniuk, Beth Ott

BEGINNER/ INTERMEDIATE Mobility prescription for infants, children and young adults will be reviewed. Several case studies will be presented reviewing choices from the first stroller or wheelchair to the equipment used today as adolescents or young adults. Clinical reasoning will be highlighted and comparisons made with contemporary mobility equipment choices.

Learning Objectives

1. Participants will be able to list three important considerations when selecting mobility equipment for young children
2. Participants will be able to suggest three different wheelchair models that might be considered for a young independent manual wheelchair user
3. Participants will be able to discuss the difference in considerations when prescribing power mobility or manual mobility equipment for young children versus prescription for adolescents and young adults

A3 Neuro-Biomechanics of Postural Control During Sitting

Geoff Bardsley

INTERMEDIATE This will be an interactive session to explore understanding of mechanics, biomechanics and associated neurology as related to posture control.

Learning Objectives

A preliminary neuro-biomechanical model of postural control will be described to:

1. Raise awareness of biomechanical and associated neurological concepts
2. Stimulate discussion on the current state of knowledge
3. Identify research areas which may be the most fruitful for developing and improving provision of seating

A4 Product Review and Implications for the Bariatric Population

Patricia Daviou, Chris Maurer

BEGINNER This instructional session will provide an overview of current bariatric seating and wheeled mobility options with discussion regarding the inherent design changes between them. Considerations for meeting the seating and mobility needs of this population will be presented using case studies including data that has been collected using activity monitors.

Learning Objectives

1. Identify five bariatric seating and wheeled mobility options
2. Identify three unique factors to consider when recommending equipment for the bariatric population
3. Identify two implications for wheelchair and seating system use given the average daily activity level of the data provided

A5 Standing – Wherever, However!

Brenlee Mogul-Rotman, Kathryn Fisher

INTERMEDIATE MANUFACTURER Not any one standing device will meet the needs of every client. In order to optimize our clients' lifestyles, equipment should be considered that allows activity, function and standing to exist together. This session will illustrate clients ambulating, completing functional activities, incorporating wheeled mobility and exercising in a standing position. Case studies will be utilized to describe how goals were assessed and achieved.

Learning Objectives

1. The participant will be able to list the benefits of standing and determine when the optimal time to attempt standing will occur
2. The participant will be able to identify various types of standing devices and methods of standing using the devices
3. The participant will be able to match clinical lifestyle needs to device selection and evaluation

A6 Measuring Wheelchair Seated Posture and Seating Supports: Standardization of Terms and Methodologies

Kelly Waugh, Barbara Crane, Takashi Handa

BEGINNER/ ADVANCED Presenters will review current science regarding standardized measurement of wheelchair seated posture and postural supports. Presentation will include an overview of the relevant ISO standard, status of a clinical guide being written to facilitate its use, and a summary of reliability/validity research of developing tools used to quantify seated posture.

Learning Objectives

1. Discuss the need for standardized seating measures and the potential impact of the international standard on clinical practice, service provision and research
2. Describe the difference between absolute and relative angles of body segments and postural support surfaces
3. Describe two tools which can be used to quantify seated posture and discuss the known reliability and validity of these tools
4. Measure at least three absolute angles of the body according to the definitions in the standard

Wednesday, March 7 (continued)

Main Symposium

12:30 Lunch Exhibits and Posters

14:00 Simultaneous Paper Sessions #1 (Each paper will be 10 minutes in length with 5 minutes of Q&A)

SALON 1

SALON 2

SALON 3

14:00	Patterns in Manual and Power Wheelchair Training: Findings from the SCIRehab Project <i>Sally Taylor Schroeder</i>	Assessment of Seating Forces Imparted Through Daily Activity by Children with Special Needs <i>Katika Samanein</i>	Test - Retest Reliability of The Functional Mobility Assessment (FMA) <i>Amit Kumar</i>
14:15	Effects of Wheelchair Type on Mobility Performance in Public Places (Medical Center) <i>Helen Hoenig</i>	Power Tilt Use for Pressure Management from the User's Perspective <i>Laura C Titus</i>	Differences in Manual Wheeling Biomechanics between Experienced Wheelchair Users and Able-bodied Participants <i>Megan K MacGillivray</i>
14:30	"Do We Know What We Want?" Observing the Subconscious Behaviours and Choices of Wheelchair Users and Therapists through Participatory Design <i>Andrew J Edwards</i>	Power Positioning System Use; Results of a Consumer Survey <i>Stephanie Tanguay, Lois Brown</i> <small>MANUFACTURER</small>	A Randomized Clinical Trial to Evaluate the Implementation of Clinical Practice Guidelines on Transfer Skills and Quality <i>Laura Ann Rice</i>
14:45	A Project for the Modernisation of NHS Wheelchair and Seating Services in Scotland <i>Geoff Bardsley</i>	Power Wheelchair Candidacy: Combining the Benefits of Standardized Tests with Clinical Judgment <i>Alfred S Lee</i>	Does Ultrasound Screening of the Pelvis Have a Role in the Wheelchair Seating Assessment? A Pilot Study <i>Jillian Swaine</i>
15:00	"Effect of a Dynamic Seating Surface on Postural Control and Function in Children with Cerebral Palsy" – Experiences Gained and Lessons Learned; Using SPCM, Pressure Mapping and Videography <i>Lisa M Trew, Erna Rosenlund Meyer</i>	Axis Separation for Power Wheelchair Controls Based on Learned Experiences <i>Russ Rolt, Michael J Flowers</i> <small>MANUFACTURER</small>	Wheelchair Seated Posture Measurement Based on ISO 16840-1 At Osaka Kawasaki Rehabilitation University Booth during Barrier Free Trade Show <i>Toru Furui, Masayo Furui, Takashi Handa</i>

15:15 Break Refreshment and Exhibits

16:00 Instructional Session B

B1 Postural Support – A Functional Challenge

Carol Knutson

INTERMEDIATE WC postural support is critical to enable function, decrease pain and skin breakdown. Yet people decline support, finding it can limit function. Postural deformities often progress to cause loss of the very function they protect. Teaching them techniques to manage posture and modifying wc support can mitigate this conflict.

Learning Objectives

1. Identify typical postural deformities that develop with SCI
2. Identify techniques to monitor, self-correct or train caregivers in postural alignment
3. Identify stretching & strengthening exercises to decrease existing tightness
4. Identify functional aggravators of postural deformities and potential modifiers
5. Identify wc support modifications to enable function

B2 The Ins, Outs, Ups and Downs of Transportation Options for Motor Vehicles

Stefanie S Laurence

BEGINNER
MANUFACTURER Accessible transportation is more than just modified vans. Options across a continuum are available for cars, trucks and vans, whether the client uses the vehicle seat or is transported in their wheelchair. If you work with children or adults, drivers or passengers, join this workshop to gain a better understanding of the products that are available for accessible transportation and critical factors in determining product appropriateness for the client.

Learning Objectives

1. Will be able to list product options available for accessible transportation
2. Will be able to list the key client and wheelchair measurements when considering options for accessible transportation
3. Will be able to differentiate methods to enter and exit vehicles

B3 New Tools for a Reliable Postural Assessment!

Jillian Swaine, Michael Stacey

INTERMEDIATE This best practice, hands-on workshop aims to introduce the seating clinician to new technologies and protocols that have demonstrated reliability and applies ISO body measurement standards. This case based workshop includes an intensive review of anatomy, using a new laser goniometer, a digital inclinometer, postural software and integration with interface pressure mapping.

Learning Objectives

1. Identify the standard landmarks on the body for a reliable postural assessment (e.g. ASIS, PSIS, etc)
2. Use a new laser goniometer and a digital inclinometer to measure the tilt, obliquity and rotation of the pelvis and critical wheelchair angles
3. Follow a protocol and take digital photographs of seated posture and have them analysed by Rysis™ postural software
4. Integrate the above technologies with interface pressure mapping technology and clinical experience

B4 The Clinical Puzzle: Pain, Positioning and Evidence Based Practice

Sonja Magnuson

INTERMEDIATE The presentation purpose is to describe how one team's clinical practice changed regarding pain management and positioning through the process of knowledge brokering, applying best evidence and developing client education.

Learning Objectives

1. To describe a team process from clinical problem to changed clinical practice
2. To share what the team learned about pain and the role of positioning
3. To provide an opportunity to share relevant issues and experiences through discussion

Wednesday, March 7 (continued)

Main Symposium

16:00 Instructional Session B, cont.

B5 Choices to Incorporate Change: Meeting the Challenges of ALS Stacey McCusker, Susan Taylor, Deborah Pucci

INTERMEDIATE Meeting the needs of clients with ALS can be challenging. Flexibility, in terms of the equipment and on the part of the clinician and RTS, is key. Funding and availability of equipment are also important issues to consider. Several case studies will be presented dealing with these issues.

Learning Objectives

1. Identify two challenges of working with clients with ALS
2. List two seating options and why they are helpful
3. Describe two funding issues and how to deal with them

B6 Malnutrition in Children with Quadraparesis John Patrick

INTERMEDIATE The usual state of affairs is often accepted as normal. Everyone who has worked with quadriplegic CP children has seen children with cold peripheries on warm days. I accepted it unquestioningly as a medical student. It turns out that it is not inevitable and warm children are happier than cold children. The talk will fill in the practical details.

Learning Objectives

1. Learn how to evaluate these children
2. Acquire knowledge of the practical skills necessary
3. Have opportunity to discuss specific problems, including ethical issues

17:00 Reception & Exhibits

Thursday, March 8

Main Symposium

08:00 Registration Exhibits Open & Continental Breakfast

08:30	Opening Remarks	<i>Maureen E O'Donnell</i>
08:40	Plenary	Sit, Eat, Thrive: Making the Connection Between Posture and Mealtimes <i>Janice Duivestain</i>
09:05	Plenary	Rolling Strong – Progress & Opportunities in the Advancement of Wheeled Mobility & Seating <i>Mark R Schmeler</i>
09:30	Break	Refreshments and Exhibits

10:20 Simultaneous Paper Sessions #2 (Each paper will be 10 minutes in length with 5 minutes of Q&A)

SALON 1

10:20	Getting Blood to the Butt: Why Individuals have Different Bloodflow Responses to Sitting <i>Sharon E Sonenblum</i>
10:35	An RCT on Wheeled Mobility for Preventing Pressure Ulcers: A Report on the Study Rationale and Design <i>Mark Schmeler</i>
10:50	The Effect of the Trunk Release on Interface Pressures of Individuals Seated in a High Fowler's Position: Lessening the Big Squeeze <i>Guylaine Desharnais, Jeanette A Boily</i>
11:05	The Reliability of Post Processing Parameters for Interface Pressure Mapping <i>Marianne Romeo</i>
11:20	The Impact of Integrating Interface Pressure Mapping into Pressure Ulcer Prevention Education <i>Jillian Swaine</i>

SALON 2

A Long-term Paired Outcomes Study of Two Pediatric Wheelchairs Designed for Less-Resourced Settings <i>Karen Rispin</i>
Assessing the Risk of Vibration Exposure During Wheelchair Propulsion <i>Jonathan Pearlman</i>
The Biomechanics of Swing-through Gait: A Comparison of the SideStix™ Sports Forearm Crutch Versus a Standard Crutch Design <i>Megan K MacGillivray</i>
Patterns in Equipment Evaluation and Provision: Findings from the SCIRehab Project <i>Sally Taylor</i>
Comparative Analysis of Hand Rim Shape as a Determination of Grip Force Requirements for Wheelchair Propulsion Using Pressure Sensing Technology <i>Michael B Banks, Kevin Roth</i>

SALON 3

Development of an Instrument to Help Measure Outcomes for Complex Clients Using Moulded Seating Systems <i>Mary McCormick</i>
Development of the Wheelchair Outcome Measure for Adolescents <i>Debbie A Field</i>
Is There a Relationship between the Type and Amount of Seating Provided and the Level of Sitting Scale (LSS) Scores for Children with Neuromotor Disorders? – A Validation Study <i>Debbie A Field</i>
PTS (Pelvic Total Support) – A New Approach to the Posture of the Pelvis <i>Rosaria E Caforio</i> <small>MANUFACTURER</small>
Intensive Anatomy Review for the Seating Clinician <i>Michael Stacey</i>

11:35	Lunch	Exhibits
12:00	Poster Session	Poster presenters will be available during this time to answer any questions. The posters will be set up for delegates to view throughout the symposium.

13:00 Instructional Session C

C1 **As Time Goes By**
Brenlee Mogul-Rotman

BEGINNER The spinal cord injured client experiences many life changes, challenges and choices. Aging with a spinal cord injury will be a focus of the presentation and how living with this type of injury can impact an individual's functional abilities, life role choices and ability to adapt. Changes in care over the past 20 years will be highlighted.

Learning Objectives

1. The attendee will be better able to describe the issues related to aging with a spinal cord injury
2. The attendee will be able to list common challenges related to skin, posture, functional ability and mobility and changes that have occurred over the past 20 years in SCI rehab
3. The attendee will become familiar with common adaptive devices and equipment used by the individual with a spinal cord injury

C2 **Understanding the Potential of Powered Mobility Devices**
Ian Denison

BEGINNER /
ADVANCED This session will discuss the relative performance characteristics of power wheelchairs and scooters. It will cover which ones lend themselves to coping with various obstacles and terrain and how they perform in tight spaces indoors.

Learning Objectives

1. The audience will understand the relative strengths and weaknesses of power chairs and scooters
2. Help clinicians and vendors choose the most appropriate power platforms for their clients to trial
3. Hazardous situations will be discussed so that users can be forewarned of possible problems

C3 **Changes in Wheelchair Cushion Performance Over Time**
Stephen Sprigle

ADVANCED Wheelchair cushions have a finite life, but the aging process is typically slow. Clinicians and users need to understand signs of wear that may indicate the need for replacement and/or re-evaluation. This session will discuss the findings of investigation into the life of cushions used by wheelchair users over time.

Learning Objectives

1. Understanding how visual inspection and performance measurements can be used to assess cushion status
2. Understanding of how cushions are used over time and how that use can impact performance
3. Knowledge of key visual indicators that may indicate fatigue as well as those that do not indicate fatigue

C4 **Children with Visual and Motor Impairments: Special Considerations When Prescribing Specialized Equipment**
Catherine A O'Leary

INTERMEDIATE Children with both motor and visual impairments require appropriate equipment prescriptions that address both their motor challenges and visual needs. This Instructional Session will address the issues with positioning and mobility prescription for children with Visual Impairments and strategies to address them.

Learning Objectives

1. Identify common issues when prescribing mobility equipment to children with visual impairments
2. Address these issues through appropriate prescription

C5 **Supporting Successful Mealtimes: The Role of Seating and Positioning**
Janice Duivestein, Krista Carwana

BEGINNER /
INTERMEDIATE This session will review and discuss the impact of posture and position on swallowing function in individuals with feeding/eating and swallowing difficulties. Practical solutions to address mealtime challenges will be shared through case studies and discussion among participants.

Learning Objectives

1. Recognize the impact of posture and positioning on eating, drinking and swallowing
2. Observe case studies of individuals with eating challenges related to their posture and positioning
3. Select positioning strategies to address mealtime challenges for individuals with eating, drinking and swallowing difficulties through case study examples

14:00 Room Change

14:10 Instructional Session D

D1 **Simply Case Studies**
Sheila Buck

ADVANCED Do you ever feel all alone and don't know what to do for your client. Have they presented you with a challenge that nothing "off-the-shelf" will fix? This session will utilize unique case studies to assist in looking "outside the box" and beyond the norm to encourage you into looking further than where you may have gone before!

Learning Objectives

1. Identify parameters of seating/mobility devices related to asymmetrical shapes/limited physical capacity
2. Increase awareness of the ability to modify systems to enhance function
3. Understand techniques and measurements to utilize when creating custom modified systems

D2 **Enjoy the Ride**
Steve Chipun, Tricia Illman, Raimond Mooij

INTERMEDIATE Suspension in a wheelchair is a great feature. The suspension can effect how the end user feels but also enhance accessibility. In this presentation we will explore various types and forms of suspension and its impact on the client. Demonstrations will highlight how suspension improves comfort and safety in various terrains.

Learning Objectives

1. Overview of current research in Whole Body Vibration (WBV)
2. Clinical reasoning as to the necessity of suspension to the end user
3. Various forms of suspension and how it is applied to power wheelchairs
4. European designs to enhance suspension in power wheelchairs
5. Case studies to illustrate the benefits of suspension

D3 **Bed Positioning – It's More Than Just Products**
China Page, Stefanie S Laurence

INTERMEDIATE
MANUFACTURER Considerable time, effort and funding are invested into postural support in a mobility base, yet this is not the position that a person spends a largest percentage of their time in. The position that a person sleeps in can either reinforce or oppose their seated posture. Postural care involves protecting the shape of the body in a straight, comfortable, position, both during the day and night. This workshop will look at the steps in the twenty-four hour management of postural care, strategies for the prevention, maintenance and correction of skeletal deformities, and equipment to support night-time positioning.

Learning Objectives

1. Will be able to identify how to support the body to achieve postural alignment in bed
2. Will be able to translate seating elements into a postural care plan
3. Will be able to identify the impact of night-time positioning on individuals and their caregivers

15:10 Break Refreshments, Exhibits and Posters

16:00 Panel **Training Therapists in Seating & Mobility - Where Are We?**
Jean Anne Zollars, Simon Hall, Patricia E Tully, Maureen Story, Geoff Bardsley (Facilitator)

This panel of international educators will explore where and how therapists receive their training in seating and mobility. Discussion will include: Should university PT/OT programs include seating and mobility in their curriculum? Should the field be lead by Rehab Technologists? How should therapists be educated? What's happening at present? What should happen in the future? Audience participation will be essential.

17:15 Adjourn

19:00 **Evening at the Aquarium**

Join us for an evening of entertainment at the Vancouver Aquarium in Stanley Park sponsored by PDG and The Comfort Company. For only \$25 you will enjoy a buffet dinner with live musical entertainment throughout the evening. You will also be able to explore many of the indoor and outdoor exhibits at the Aquarium and interpreters will be available for any questions. Bus transportation will be provided at the beginning and end of the evening, and it is also possible to walk from the conference hotel to the Aquarium along the sea wall. Space is limited, so please sign up early to avoid disappointment.

D4 **Imprisoned in Our Own Bodies, the Motorized Wheelchair Opens the World of Driving, Communication and Control of the Environment. Let Us Show You How**
Natalie Martel, Guy Robert

ADVANCED Imprisoned in their own bodies, what are the technologies allowing access to mobility, communication and environmental control? Through case studies of two adult clients, we will present options for integrating the specialized controls for driving, communication and to access the environment through the motorized wheelchair. We will compare wheelchair electronics and their different functions.

Learning Objectives

1. Through case studies, participants will learn about the process of evaluation in regards to integrating driving, communication and environmental control on the motorized wheelchair, for extremely physically limited clients
2. Will provide participants with a better knowledge of existing technological options available on wheelchairs to meet the needs of these clients
3. Will learn the pros and cons of integrating and not integrating these options through the wheelchair

D5 **Reducing Aspiration Pneumonia: An Integrated Management Plan**
Karen Hardwick

INTERMEDIATE The presentation will examine assessment and implementation of positioning to reduce the impact of aspiration on individuals with developmental disabilities. Aspiration is often a serious occurrence in these individuals. Consequences may include pneumonia, hospitalization, and death. The likelihood and severity of aspiration pneumonia can be mitigated by techniques and positioning to improve body alignment, esophageal clearance and airway protection.

Learning Objectives

At the end of the presentation the learner will be able to:

1. Identify essential elements for determining Head of Bed elevation
2. Name four interventions for prevention of aspiration pneumonia
3. Describe appropriate positioning for management/prevention of aspiration pneumonia
4. Describe major components of an aspiration pneumonia/ enteral nutrition evaluation

E1 Manual Wheelchair Configuration and Training: Update to the Evidence 2012

Tina Roesler, Theresa Berner

ADVANCED
MANUFACTURER Since the publication of the Clinical Practice Guidelines in 2005, there have been over 200 published articles related to manual wheelchair configuration, set-up, and client education. This presentation will get you up to speed on the most recent information and help you to integrate this evidence in clinical practice. It will include a review of the research and clinical case studies.

Learning Objectives

1. Identify new studies that lead support clinical justification for manual mobility
2. List at least two web based resources for updated research information
3. Understand the definition of evidence-based practice and how it is utilized in the health care setting

E2 Postures and Positioning Needs

Sheilagh Sherman

BEGINNER
MANUFACTURER This interactive seminar will provide therapists with the skills to identify the generic seating product parameters and possible modifications required for off-the-shelf seating for clients who present with either fixed or flexible postures, including posterior pelvic tilt, anterior pelvic tilt, pelvic obliquity, pelvic rotation, kyphosis, and scoliosis.

Learning Objectives

1. Identify the symptoms versus the causes of presenting postures and deformities
2. Identify the positioning needs of clients presenting with either fixed or flexible postures
3. Utilize clinical reasoning skills to select the product parameters of off-the-shelf seating, and possible modifications, required for the clinical presentation of such clients

E3 Know, Go, Grow-Transitioning Children From Dependent Mobility Bases to Manual Wheelchairs

Kay E Koch

BEGINNER This session is designed for beginners or those new to pediatric mobility. Considerations for both dependent and independent manual mobility options will discussed along with two case studies and solutions to consider.

Learning Objectives

1. Attendee will be able to name key mobility milestones
2. Attendee will list one benefit of independent exploration
3. Attendee will be able to compare the pros and cons of dependent mobility bases and pediatric manual wheelchairs

E4 Pressure Management Assessment Tool (PMAT): Development and Implementation of a Comprehensive Clinical Evaluation for Managing Pressure from a 24 Hour Perspective

Jennifer Birt

INTERMEDIATE Managing pressure issues from a functional perspective requires investigation of contributing factors over a 24 hour period within the context of individuals' lives. This session will discuss the development and implementation of the PMAT as a comprehensive and practical framework to integrate pressure management best practice into clinical settings.

Learning Objectives

1. Describe a minimum of six factors that commonly lead to pressure sore problems over a 24 hour period
2. Describe a minimum of six assessment techniques that can be utilized when evaluating these pressure factors
3. Identify and list a minimum of six recommendations guided by best practice to resolve these pressure factors
4. Problem solve practical strategies for implementing pressure management recommendations in various health care settings

E5 A Collaborative Approach to Safely Transporting Children with Special Needs

Tamara J Franks, Sue Johnson

BEGINNER
MANUFACTURER This session will identify the components of ensuring the safe transportation of children with special needs including selection of appropriate adaptive medical seats or wheelchairs, proper harness use in the seating unit and proper installation of the unit in the vehicle.

Learning Objectives

1. Understand the process of conducting a special needs transportation evaluation
2. Attendees will be aware of the adaptive medical seats available for children with special needs
3. Attendees will learn the importance of partnering with nationally certified Child Passenger Safety Technicians to help with installation education in the vehicles
4. Attendees will understand the components of safe wheelchair transportation
5. Attendees will learn the importance of partnering with a mobility specialist to help with securing of the wheelchair and rider in the vehicle

F1 All Foams are Not Created Equal
Evan Call

INTERMEDIATE MANUFACTURER This session will provide an overview of the development of a new line of foam-based, off-the-shelf (OTS) wheelchair cushions. We will explore “Foamology 101”— the science of foam, in an interactive fun way, and discuss typical user profiles for these cushions in an attempt to provide insight into which cushions work best for which type of user.

Learning Objectives

1. Have a firm grasp on the different types of foam
2. Know the characteristics that make each foam unique
3. Have better understanding of how to include foam properties into their decision making

F2 Pressure Ulcer Prevention-What Can I Realistically Do?
Linda Norton

INTERMEDIATE MANUFACTURER With a 26% prevalence of pressure ulcers in the Canadian Health Care System, it is likely we will be treating clients who have or are at risk of developing pressure ulcers. From support surfaces to transfers and mobility, everyone has a role to play. Come and decide what you can do!

Learning Objectives

1. Explore the best practice guidelines for the prevention and management of pressure ulcers
2. Define their role within their setting to prevent and manage pressure ulcers
3. Discuss the assessment and goal-setting process, including the distinction between healable, non-healable and maintenance wounds
4. Identify the best support surface for their client using a new algorithm to support clinical decision-making
5. Develop client-centered pressure ulcer prevention and management plans through case studies

F3 Neuromuscular Spinal Deformities in Children: From Planar Seating to Custom Molding
Michele E Audet

INTERMEDIATE This session will review conservative management and the current surgical treatment of neuromuscular scoliosis. Experiences with seating and positioning this very challenging population will be explored and case studies presented of severe deformity being managed with traditional custom molded systems as well as the Ride custom seating system and multi-axial hardware.

Learning Objectives

1. Discuss influences of postural imbalance on development and progression of spinal deformities
2. Have understanding of early onset scoliosis and serial management by use of VEPTR or growth rods
3. Verbalize the differences between planar and the different types of custom molded seating systems

F4 “Life After Rehab”: A Community Based Model of Care for Post Rehabilitative Exercise for Individuals with Disabilities but Much More!
Lois Brown

INTERMEDIATE MANUFACTURER “Fighting Back” is a community-based exercise program for people recovering from a life changing event. This program cultivates creative rehabilitative exercise programs for those recovering from a disability and a positive transitional environment in which to cultivate the courage, desire and perseverance of each individual.

Learning Objectives

1. Each participant will be able to state three key findings of the outcome data in order to describe effectiveness of this model of care
2. Each participant will be able to state three specific cognitive, behavioral strategies used to maximize independent exercise sessions
3. The participant will understand at least three key elements to adapt exercise at the wheelchair level and how to recognize when and how to change them as the client progresses

F5 The Benefits of Gait Training
Melissa Fansler

BEGINNER A beginner’s course on the principles and benefits of gait training. It will teach the population of patients who would benefit from a Gait Training, as well as the physical, psychological, and social benefits that could result. Participants will then get a hands on demonstration of various gait training products on the market today.

Learning Objectives

1. Identify the definition of gait training, and will be able to identify how it is currently being used in different settings
2. Identify six diagnoses that could benefit from a gait training routine and how to evaluate a potential candidate
3. Identify and measure physical benefits of patients involved in a gait training routine
4. Identify and measure the social benefits involved in a gait training routine
5. Identify and measure the psychological benefits of a gait training routine
6. Become familiar with and be able to identify and compare the different product types and brands that are readily available on the market today, and differentiate between them

10:40	Break	Refreshments & Poster Viewing
11:10	Plenary	How Manual Wheelchairs are Used During Everyday Mobility <i>Stephen Sprigle</i>
11:35	Plenary	The Challenges and Successes of Wheelchair Seating and Mobility in Colombia- A Presentation through Case Studies <i>Katherine E Petrocci</i>
12:00	Plenary	The Joy of Seating: How Design Influences Outcomes. “What Makes You Go Aaah...” <i>C Kerry Jones</i>
12:25	Closing Remarks & Evaluation	
12:45	Adjourn	

28th Seating Symposium

Posters, Committee, and Moderator

Posters

Poster presenters will give 1-minute presentations on their posters on **Wednesday, March 7 at 10:20 - 10:40**. They will be available to answer questions during the poster session on **Thursday, March 8 at 12:00 - 13:00**. Posters will be displayed for viewing on all three days of the symposium.

Case Study: A Personalized Seating System to a Child with Hallervorden Spatz Disease as a Method to Improve his Posture and Comfort
Sabrina Bauléo Almeida

The Elevation Wheelchair: An Introduction to Dynamic Seating in Ultralight Wheelchairs
Jaimie F Borisoff, Joanne Yip

A Study on the Necessity of the Seating Components According to Hoffer's Classification
GeumRan Cho

Sleep Systems: Keeping It Simple
Rachel Innocente

Assistive Technology Reuse: Filling the Gap
Lindsey Kampwerth

Adaptive Seating in Work Rehabilitation
Karen Lyng

Wheelchair Clinic Trek – Center-Based, Single Site and Mobile Clinic
Eva K Ma

Development of a 3-D Rotation Ankle Motion Device to Chronic Pain Management in Patients Using a Wheelchair
Tomokazu Muto

Is Low Air Loss the Best Solution for Pressure Ulcer Management?
Linda Norton

A Short-term Paired Outcomes Study of Maneuverability and Energy Cost of Rolling of Two Pediatric Wheelchairs Designed for Less-resourced Settings
Karen Rispin

Design and Development of Seating System and Plaything by Utilizing the Modular Joint System Constructed Woods and Aluminum
Takeshi Shigenari

Low Profile Tension Seat for Wheelchair Users who Propel with One or Both Feet
Stephen Sprigle

Research of Contoured Seat in Developing Countries, a Collaborative Experience Mexico-Colombia
Andres Torres, Jorge Letechipia, Juliana Velasquez

A Relationship Between Powered Wheelchair Driving Competence and Developmental Indices in Children with Locomotive Disability
Sachie Uyama

Case Report of Functional Gains due to Use of Adaptive Equipment by a 4 year-old Male with Extreme Hypotonia
Angela M Watschke

The Importance of Body Positioning and Use of a Specialized Positioning Mattress on Sleep Behavior of Individuals with Severe Physical Disabilities
Kelly G Waugh

Improved Gait and Gastrointestinal Function Following Innowalk Trial
Knut Magne Ziegler-Olsen, Tonje Thon

Symposium Planning Committee

Maureen Story (Co-Chair)
BSR (PT/OT), Sunny Hill Health Centre for Children, Vancouver, BC

David Cooper (Co-Chair)
MSc (Kinesiology), Rehabilitation Technologist, Sunny Hill Health Centre for Children, Vancouver, BC

Catherine Ellens
BScOT, Occupational Therapist, Therapy Department, Sunny Hill Health Centre for Children, Vancouver, BC

Kristina Hiemstra
BA, Director, Interprofessional Continuing Education, University of British Columbia, Vancouver, BC

Roslyn Livingstone
MSc(RS), OT(C), Occupational Therapist, Sunny Hill Health Centre for Children, Vancouver, BC

Bonita Sawatzky
PhD, Associate Professor, Orthopaedics, University of British Columbia, Vancouver, BC

Symposium Moderator

Maureen E O'Donnell
MD, MSc, FRCPC, Executive Director, Child Health BC; Assistant Professor, Division of Developmental Paediatrics, University of British Columbia, Vancouver, BC

Sponsors

We would like to acknowledge and thank the following companies for the additional support:

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The 28th International Seating Symposium includes an extensive exhibit hall, which will be open Wednesday, March 7th @ Thursday, March 8th, 2012. All exhibit booths are sold out.

28th Seating Symposium

Presenters

Sabrina Bauléo Almeida, Physiotherapist, AACD, São Paulo, SP Brazil

Elaine Antoniuk, BScPT, Physiotherapist, Sunny Hill Health Centre for Children, Vancouver, BC

Michele E Audet, MMSc,PT,ATP, Physical Therapist, Children's Healthcare of Atlanta, Atlanta, GA

Michael B Banks, MA, Seating and Mobility Specialist, United Seating and Mobility, Walla Walla, WA

Geoff Bardsley, Consultant Clinical Scientist, Head, Assistive Technology, NHS Tayside / Dundee University, Dundee, Scotland

Theresa Berner, MS, Occupational Therapist, Ohio State University, Hillard, OH

Jennifer Birt, BMR, OT, Health Sciences Centre, Winnipeg, MB

Jeanette A Boily, Occupational Therapist, Vancouver Coastal Health, Vancouver, BC

Jaimie F Borisoff, PhD, Research Director, British Columbia Institute of Technology, Vancouver, BC

Gord Broughton, Seating Technologist, Sunny Hill Health Centre for Children, Vancouver, BC

Lois Brown, MPT, ATP, PT Clinical Education, Invacare US, Pittsburgh, PA

Sheila Buck, BSc(OT), Reg (Ont.), Occupational Therapist, Therapy NOW! Inc., Milton, ON

Rosaria E Caforio, Developer and Producer, Pro Medicare srl, Mesagne, Select, Italy

Evan Call, M.S., Lab Director, EC Service, Inc. Centerville, UT

Brenda Canning, OTR/L, Clinical Occupational Therapist, Rehabilitation Institute of Chicago, Chicago, IL

Krista Carwana, BSR OT/PT, Occupational Therapist, Owner, Access Community Therapists Ltd, Vancouver, BC

Kevin Caves

Steve Chipun, ATP, Handicare Inc., Toronto, ON

Jo-Anne Chisholm, MSc, Occupational Therapist, Access Community Therapists Ltd., Vancouver, BC

Christy Cone

Dave Cooper, MSc (Kinesiology), Rehabilitation Technologist, Sunny Hill Health Centre for Children, Vancouver, BC

Barbara Crane, PT, PhD, ATP, Associate Professor, Physical Therapy, University of Hartford, West Hartford, CT

Patricia Daviou, BS, Occupational Therapist, Atlanta, GA

Ian Denison, Physiotherapist, GF Strong Rehab Centre, Vancouver, BC

Guyline Desharnais, Occupational Therapist, Vancouver Coastal Health, Vancouver, BC

Mark Dilabio, Seating Technologist, Sunny Hill Health Centre for Children, Vancouver, BC

Janice Duiveststein, MRSc, OT/PT, Feeding Team Leader and Neuromotor Program Manager, Sunny Hill Health Centre for Children, Vancouver; Consulting Therapist, Access Community Therapists, Vancouver, BC

Fabiana Dutra, Physiotherapist, AACD, São Paulo, SP Brazil

Andrew J Edwards, Bsc Hons, Product Designer, United Kingdom

Janice Evans, BSc PT, Physiotherapist, Sunny Hill Health Centre for Children, Vancouver, BC

Melissa Fansler, BA, ATP, National Sales Manager, Angola, IN

Debbie A Field, MHScOT, Occupational Therapy, Sunny Hill Health Centre for Children, Vancouver, BC

Kathryn Fisher, BSc, OT, Seating and Mobility Expert; Manager, Shoppers Home Health Care, Toronto, ON

Michael J Flowers, BS English/Education, President, Active Controls LLC, Sewell, NJ

Tamara J Franks, MA, Child Passenger Safety Coordinator, Randall Children's Hospital at Legacy Emanuel, Portland, OR

Toru Furui, PhD, PT, Vice Department Chair, Professor, Osaka Kawasaki Rehabilitation University, Kaizuka, Osaka Japan

Yasmin Garcia-Mendez, BS, Department of Rehabilitation Science and Technology, University of Pittsburgh/VA Pittsburgh Healthcare System, Pittsburgh, PA

Simon Hall, IEng, MSc, Clinical Engineer, Central Remedial Clinic, Dublin, Ireland

Takashi Handa, PhD, Engineer, Saitama Industrial Technology Center, Kawagushi-shi, Saitama-ken Japan

Elizabeth Hansen BHK, MOT, Assistive Technology Advisor, Shoppers Home Health Care, Burnaby, BC

Jill Harburn, BScOT, Occupational Therapist, ATP, GF Strong Rehabilitation Centre, Vancouver, BC

Karen Hardwick, Ph.D, OTR, FAOTA, Coordinator Specialized Therapies, Texas Department of Aging and Disabilities, Austin, TX

Pam Hung, MSc, OT, Occupational Therapist, Alberta Health Services, Weight Wise Adult Bariatric Centre, Royal Alexandra Hospital, Edmonton, AB

Cathy Husken, BScOT, Occupational Therapist, ATP, GF Strong Rehabilitation Centre, Vancouver, BC

Tricia Illman, OT, Hamilton General Hospital, Hamilton, ON

Rachel Innocente, BSc OT, Occupational Therapist, Professional Advisor (Wheelchairs and Seating), Enable New Zealand, Christchurch New Zealand

Sue Johnson, Director of Education, Columbia Medical, Santa Fe Springs, CA

C Kerry Jones, BA/ATP, Rehabilitation Designer, The Space Between, Edwardsburg, MI

Lindsey Kampwerth, OTD, OTR/L, Assistive Technology Reuse & Repair Manager, Paraquad, St. Louis, MO

Karen M Kangas, BSc+, Occupational Therapist, Private Practice: Seating and Positioning Specialist, Assistive Technology Specialist, Master Clinical Educator, Consultant, Shamokin, PA

Carol Knutson, BS, Occupational Therapist (OTR), Craig Rehabilitation Hospital, Englewood, CO

Kay E Koch, BSOT, Occupational Therapist, Mobility Designs, Atlanta, GA

David Kreutz, MPT, The Shepherd Center, Atlanta, GA

Stefanie S Laurence, OT Reg.(Ont), Motion Specialties, Toronto, ON

Alfred S Lee, MA, Physical Therapy, Veterans Healthcare Administration (United States), San Francisco, CA

Jorge Letechipia, PhD, Electronic Engineer, Universidad Iberoamericana, Mexico D.F., Mexico

Myungjoon Lim, MS ATP, Researcher, Korean National Rehabilitation Research Institute, Seoul, Korea

Lili Liu, OT, PhD, Occupational Therapist, University of Alberta, Edmonton, AB

Roslyn Livingstone, MSc (RS), OT(C), Occupational Therapist, Sunny Hill Health Centre for Children, Vancouver, BC

Karen Lyng, OT, MRSc, Export Manager, VELA A/S, Aalborg, SV Denmark

Eva K Ma, Occupational Therapist, Portland, OR

Megan K MacGillivray, MSc, PhD Student, ICORD, Vancouver, BC

Sonja Magnuson, MSc, Occupational Therapist, Sunny Hill Health Centre for Children, Vancouver, BC

Natalie Martel, BScOT, Occupational Therapist, Institut de réadaptation Gingras-Lindsay de Montréal, Montreal, QC

Chris Maurer, MPT, Shepherd Center, Atlanta, GA

28th Seating Symposium

Presenters

Mary McCormick, Senior Occupational Therapist, Assistive Technology and Specialised Seating Department, Dublin, Ireland

Stacey McCusker, Physical Therapist, Rehab Institute of Chicago, Chicago, IL

Erna Rosenlund Meyer, MSc, Lecturer, Physiotherapy, University College of Northern Denmark, Aalborg, Denmark

Jean Minkel, MS, PT, Minkel Consulting, New Windsor, NY

Brenlee Mogul-Rotman, BScOT, Occupational Therapist, Toward Independence, Richmond Hill, ON

Raimond Mooij, OT, Handicare BV, Helmond, Netherlands

Tomokazu Muto, MSc, Physical Therapist, Assistant Professor, Tokyo University of Technology, Ohta-ku, Tokyo Japan

Linda Norton, BScOT, MScCH, Occupational Therapist, Shoppers Home Health Care, Toronto, ON

Maureen E O'Donnell, MD, MSc, FRCPC, Executive Director, Child Health BC; Assistant Professor, Division of Developmental Paediatrics, University of British Columbia, Vancouver, BC

Catherine A O'Leary, BPHE, BHSc(OT), Occupational Therapy, Toronto District School Board, Toronto, ON

Beth Ott, MSc, PT, Physiotherapist, Sunny Hill Health Centre for Children, Vancouver, BC

China Page, DSW, Product Manager, Motion Specialties, Toronto, ON

John Patrick, MB, BS, MRCP, MD, Professor, History of Science, Medicine and Faith, Augustine College, Ottawa, ON

Jessica J Presperin Pedersen, MBA, OTR/L, Researcher, OT, Rehabilitation Institute of Chicago, Chicago, IL

Katherine E Petrocci, MPT, Physical Therapy, Independent, Bogotá, DC Colombia

Deborah Pucci, MPT, Physical Therapist, Rehab Institute of Chicago, Chicago, IL

Katie Quirk, BSc, MOT, Occupational Therapist, Burnaby Hospital, Burnaby, BC

Laura Ann Rice, Visiting Assistant Professor, Disability Resources and Educational Services, Department of Kinesiology and Community Health, College of Applied Health Sciences, University of Illinois at Urbana-Champaign, Champaign, IL

Karen Rispin, Assistant Professor of Biology, LeTourneau University, Longview, TX

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Tina Roesler, MS, PT, Ti Lite, Springfield, VA

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Sheilagh Sherman, BHScOT, OT Reg (Ont), Occupational Therapist, Sunrise Medical, Concord, ON

Takeshi Shigenari, PhD, Industrial Design, Assistive Technology, Toyo University, Asaka City, Saitama Prefecture Japan

Allen Siekman, Seating Consultant, Allen Siekman Consulting, Ben Lomond, CA

Sharon E Sonenblum, PhD, Research Engineer, Georgia Institute of Technology, Atlanta, GA

Stephen Sprigle, PhD, PT, Professor, Georgia Institute of Technology, Atlanta, GA

Michael Stacey, MD, PhD, Surgeon, University of Western Australia, North Fremantle, Western Australia, Australia

Bob Stickney, Seating Technologist, Sunny Hill Health Centre for Children, Vancouver, BC

Maureen Story, BSR (PT/OT) Sunny Hill Health Centre for Children, Vancouver, BC

Jillian Swaine, OT, University of Western Australia, North Fremantle, Western Australia, Australia

Stephanie Tanguay, BS, OT, Clinical Education Specialist, Motion Concepts, Concord, ON

Susan Johnson Taylor, BS, OT, Rehabilitation Institute of Chicago, Chicago, IL

Sally Taylor, BS, PT, Physical Therapist, University of Michigan Health System, Ann Arbor, MI

Tonje Thon, Physiotherapist, Specialised on Children, Porsgrunn, Norway

Laura C Titus, BScOT, PhD candidate, OT, University of Western Ontario, London, ON

Andres Torres, MSc, Mechanical Engineer, Escuela de Ingenieria de Antioquia-Universidad CES, Envigado, Antioquia Colombia

Lisa M Trew, Physiotherapy, Aalborg, Denmark

Patricia E Tully, OTR, ATP, Seating and Mobility Specialist, TIRR Memorial Hermann; Vice President/Board of Directors, Project U.N.I.O.N., Understanding Needs in our Neighborhood, Houston, TX

Sachie Uyama, Physical Therapist, Tottori Prefectural Rehabilitation Center for Disabled Children, Japan, Yonago, Tottori Prefecture Japan

Juliana Velasquez, BDS, Biomedical Engineer, Escuela de Ingenieria de Antioquia-Universidad CES, Sabaneta, Antioquia Colombia

Anna Vouladakis, BDes, Seating Technologist, Sunny Hill Health Centre for Children, Vancouver, BC

Angela M Watschke, DPT, Physical Therapist, Watschke Physical Therapy, Bozeman, MT

Kelly G Waugh, MA, PT, Physical Therapist, Denver, CO

Nicole Wilkins, BScOT, Occupational Therapist, Sunny Hill Health Centre for Children, Vancouver, BC

Julie Wolenski, MS OTR/L ATP, Clinical Staff Specialist, Occupational Therapy, Chicago, IL

Joanne Yip, BSR, Occupational Therapist, Access Community Therapists Ltd, Vancouver, BC

Knut Magne Ziegler-Olsen, Physiotherapist, Advisor Childrens Equipment, NAV Hjelpemiddelsentral Telemark, Skien, Norway

Jean Anne Zollars, MA, PT, Physical Therapy, Inc., Albuquerque, NM

Please write in block letters.

One registration form per person. Please photocopy if more are needed.

DR. MR. MRS. MS.

Last Name	First Name	Initial
Organization Name/Mailing Address		
Mailing Address		
City ()	Prov/State ()	Postal Code
Daytime Telephone Number / Local		Fax Number
E-mail Address		

Dietary Restrictions (for lunches)

Affiliation/Profession (select only one)

- | | | |
|--|-------------------------------------|---|
| <input type="checkbox"/> Consumer | <input type="checkbox"/> Engineer | <input type="checkbox"/> Nurse |
| <input type="checkbox"/> Occupational Therapist | <input type="checkbox"/> Physician | <input type="checkbox"/> Equipment Supplier |
| <input type="checkbox"/> Physiotherapist | <input type="checkbox"/> Technician | <input type="checkbox"/> Student |
| <input type="checkbox"/> Other: _____ (please specify) | | |

Pre Symposium Workshops - March 6

Pick one full day session OR one AM (PS4/5/6) and one PM session (PS7/8/9)

- | | |
|--|---|
| <input type="checkbox"/> PS1 (full day) | <input type="checkbox"/> PS4 (AM half day) |
| <input type="checkbox"/> PS2 (full day) | <input type="checkbox"/> PS5 (AM half day) |
| <input type="checkbox"/> PS3 (full day) | <input type="checkbox"/> PS6 (AM half day) |
| | <input type="checkbox"/> PS7 (PM half day) |
| | <input type="checkbox"/> PS8 (PM half day) |
| | <input type="checkbox"/> PS9 (PM half day) |

Instructional Sessions A-F

Please refer to the program for session descriptions. You must enter your two choices or you will not be registered. Example shown below in grey.

	1ST CHOICE	2ND CHOICE
Example:	AI	A5
Session A (March 7):	_____	_____
Session B (March 7):	_____	_____
Session C (March 8):	_____	_____
Session D (March 8):	_____	_____
Session E (March 9):	_____	_____
Session F (March 9):	_____	_____

Registration Fees:

All values are in Canadian Currency and are subject to 12% HST. Registration prior to **February 9, 2012** is strongly recommended to ensure you receive your course selections. *Please remember to register for the Thursday Evening Function as this is **not** included in the symposium fee.

Pre-Symposium Workshops, Tuesday, March 6

These are an additional cost to the Symposium fee

Attending: Pre-Symposium Only Pre & Main Symposium

PS1/2/3 \$240 (\$214+12%HST) \$205 (\$183+12%HST)

If you are attending both AM and PM workshops, please use this fee structure:

PS4/5/6 & PS7/8/9 \$250 (\$223+12%HST) \$210 (\$188+12%HST)

If you are attending just one half-day workshop, please use this fee structure:

PS4/5/6/7/8/9 \$150 (\$134+12%HST) \$135 (\$121+12%HST)

Pre-symposium Subtotal: \$ _____

Symposium Syllabus (Print copy)

The syllabus will be available online a week prior to. If you wish to obtain a hard copy in addition to the digital copy, please note that there is a \$30 charge:

\$30 (\$27+12%HST) Print copy of syllabus total: \$ _____

Main Symposium, March 7 - 9

Early Bird rate is prior to **January 6, 2012**

Pre-Symposium workshops are an additional cost; please see above.

Entire 2 and a half-day Symposium

\$525 Early Bird (\$469+12%HST) \$575 Regular (\$513+12%HST)

Wednesday, March 7 only

\$250 Early Bird (\$223+12%HST) \$265 Regular (\$237+12%HST)

Thursday, March 8 only

\$250 Early Bird (\$223+12%HST) \$265 Regular (\$237+12%HST)

Friday, March 9 only

\$130 Early Bird (\$116+12%HST) \$150 Regular (\$134+12%HST)

Full Time Student Rate, Full Program

Full Program (BEFORE January 6, 2012) \$280 (\$250+12%HST)

*Please note that the full program does NOT include the pre-symposium workshops.

A letter from your supervisor/department head stating that you are a full time student along with a valid student photo ID must be sent with student registrations. Please fax a copy if you register online.

Evening at the Aquarium (Thursday, March 8, 2012)

*This event (19:00 on Thursday, March 8, 2012) is not included in the symposium fee. Please register early as space is limited.

\$25 before/on March 2 (\$22+12%HST) \$40 after March 2 (\$36+12%HST)

Symposium & Evening at the Aquarium Subtotal: \$ _____

Total: \$ _____

Method of Payment

Payment by Credit Card

- Complete the full registration online at interprofessional.ubc.ca with your Visa or MasterCard
- Fax the registration form to +1-604-822-4835 and indicate that you would like to pay with Visa or MasterCard. We will send you the secure on-line link to enter your credit card information *PLEASE DO NOT FAX CREDIT CARD INFORMATION*
- Register and pay over the phone: Local/International: +1-604-827-3112 or toll free within Canada/USA: 1-877-328-7744 (VISA or MasterCard)

Payment by Cheque

Please make your cheque payable to the University of British Columbia and send it along with complete registration form to: Interprofessional Continuing Education The University of British Columbia Rm.105 – 2194 Health Sciences Mall Vancouver, BC, V6T 1Z3

Alternative Payment Methods

Mail or fax complete registration form along with one of the following:

- Signed purchase order (PO)
- Letter of Authorization (LOA) from the manager on the organization's letterhead stating that they will be paying the registration fees. The letter should include the amount of registration fees, name and contact information of the manager
- Signed cheque requisition form (ChReq)

Please Indicate Below How You Would Like to Pay

- Credit Card:** Please e-mail me a secure on-line link to enter my credit card number
- Cheque:** Payment is enclosed with mailed registration form
- PO/LOA/ChReq:** Purchase order/letter of authorization/cheque requisition form is enclosed with faxed/mailed registration form