

26th International Seating Symposium

March 10 - 13, 2010

The Westin Bayshore
1601 Bayshore Drive
Vancouver, BC Canada

Pre-Symposium Workshops
Wednesday, March 10th, 2010

- * Breathing and Seating: More Linked Than You Think
- * The Mat Exam
- * Posture, Comfort, Pressure and Perturbations -
Technical Guidelines for Skin Management and Complex Clinical Challenges
- * Dynamic Components, Lateral Tilts and Other Useful Tools for Posture Management



SPONSORED BY:



Sunny Hill Health Centre
for Children
Vancouver, BC



Interprofessional Continuing
Education
The University of British Columbia
A Team Approach to Learning



Department of Rehabilitation Science and Technology
Continuing Education
School of Health and Rehabilitation Sciences
University of Pittsburgh



SYMPOSIUM OBJECTIVES

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

1. Describe the range of seating and mobility techniques available for clients with a variety of disabilities.
2. Discuss the emerging research evidence supporting seating and mobility practices.
3. Locate resources for seating and mobility practice.
4. Explain the advantages and disadvantages of a number of innovative service models and new technologies.

SYMPOSIUM DESCRIPTION

This international symposium addresses current and future developments in the areas of seating, positioning and mobility. As this seating symposium follows the Olympics and precedes the Paralympics, we will be highlighting the Paralympic experience, sport and related equipment. Topic areas include service delivery, product development, research and evaluation. The format for the symposium will include plenary, 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, B.C. Canada V6G 2V4

HOTEL ACCOMMODATION

Reserve today to avoid disappointment by calling toll free: 1-800-937-8461; or 604-682-3377; Fax 604-691-6980, or online through our website: www.interprofessional.ubc.com under the "26th International Seating Symposium" section. Special rate of **CDN \$162.00** for a standard guest room (single/double) + applicable taxes is available for conference delegates. A block of rooms has been booked and will be held at the conference rate until **February 9th, 2010**. **Please specify that you are booking under the Seating 2010 Conference room block** to receive these reduced rates. **Please note that the Olympic Games are being held in Vancouver in February and this will affect travel - Book your tickets early!**

VANCOUVER/ TOURISM

British Columbia is hosting the Vancouver 2010 Winter Olympic Games February 12 – 28, 2010, as well as the Vancouver 2010 Paralympic Games March 12 - 21, 2010. This will be an exciting time to visit British Columbia, as well as a busy one, before, during, and after the Games. We encourage you to book your hotel room and make your travel arrangements early as all modes of transportation will be very busy during this time and reservations will be filled many months in advance.

Tourism Information

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:

Tourism BC

1-800-HELLO-BC (435-5622)
www.hellobc.com

Tourism Vancouver

Tel: 604-683-2000
Fax: 604-682-6838
www.tourism-vancouver.org

REGISTRATION

You may register:

1. online at www.interprofessional.ubc.ca
2. by telephone or fax with credit card
3. or by mail with a cheque or credit card

REGISTRATION FEES

Please see registration form for details. To receive the reduced early-bird rates, you must register by **January 5, 2010**. Pre-registration prior to **February 1, 2010** is strongly recommended to ensure you receive your course selections. You may register for either the pre-symposium courses and/or single days and/or full program (2½ days).

All Symposium fees listed are in Canadian dollars (CAD\$) and include 5% GST. The tuition fee includes course materials, coffee breaks, continental breakfasts, lunches (provided on Wednesday if you have registered for the Pre-symposium), provided on Thursday and Friday for Main Symposium participants and a reception scheduled for **Thursday, March 11, 2010**.

Secure, fast, online registration is available for Visa and Mastercard holders at the conference organizer's website: **www.interprofessional.ubc.ca**. Please ensure that you have a copy of the program to assist you in your instructional session selections while online. A registration receipt will be mailed to all registrants regardless of payment method after processing by our office.

CHARGE-BY-PHONE

To charge by phone (Mastercard or Visa only), please call: **604-827-3112**
or toll free within North America **1-877-328-7744**
Fax **604- 822-4835**

REFUNDS

Refunds will be made (less a CAD\$50.00 processing fee) if written notice of withdrawal is received by **January 14, 2010**. No refunds will be granted for withdrawal after that date.

CANCELLATION

The Division of Interprofessional Continuing Education reserves the right to cancel Pre-Symposium or Main Symposium programs. In the event of cancellation, a full refund will be returned. The University of British Columbia is not responsible for any other costs, including but not limited to airline or hotel penalties.

CREDITS

Study Credits and Certificate of Attendance: A Certificate of Attendance will be issued to all participants listing pre-approved continuing education credits. For updates in regards to credits see our website: **www.interprofessional.ubc.ca**



Registration for the Pre-Symposium workshops and the regular Symposium are on one form. Please fill out the registration form on the last page of this brochure and indicate which workshop(s) and instructional sessions you will be attending, or register online.

8:30 Registration Opens & Continental Breakfast

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

FULL DAY SESSIONS

PS 1: Breathing and Seating: More Linked Than You Think

Mary Massery

Full Day Session: 9:00 - 17:00

This course will challenge the seating and mobility practitioner to make a paradigm shift; acknowledging the importance of the cardiopulmonary system as an integral component of postural alignment and postural control. The speaker will present a model of postural control (Soda Pop Can Model) that demonstrates how breathing mechanics are linked to motor and physiologic behaviors. The speaker will then suggest how seating and mobility specialists can incorporate these concepts in their practice in order to maximize postural alignment without compromising breathing mechanics. The speaker is not a seating expert, but looks at alignment and postural control from a cardiopulmonary and multiple body system interactions viewpoint. It is this perspective that she would like to share with her seating and mobility colleagues.

(PS1) Cost: \$225 (\$195 if Symposium registrant)

PS 2: The Mat Exam

Kelly Waugh

Full Day Session: 9:00 - 17:00

The mat examination is a critical component of a comprehensive wheelchair seating assessment, especially for individuals who present with posture related problems. This full day course will include an in depth review of mat exam principles, procedures and measurements, followed by instructor demonstrations and an extensive hands on practicum.

(PS2) Cost: \$225 (\$195 if Symposium registrant)

MORNING SESSION

PS 3: Posture, Comfort, Pressure and Perturbations - Technical Guidelines for Skin Management and Complex Clinical Challenges

Richard Pasillas

Morning Session: 9:00 am - 12:00 noon

This advanced course includes an explanation of pelvic movements, effective seat cushion design, principles of upper body alignment, backrest design, and a detailed philosophy for translating complex posture and positioning goals into keenly structured technical solutions. The final hour addresses mold making techniques and the practical uses of a posture simulator.

(PS3) Cost: \$115 (\$100 if Symposium registrant) if you are attending both morning and afternoon workshops; \$140 (\$125 if Symposium registrant) if you are attending just one half-day workshop

AFTERNOON SESSION

PS 4: Dynamic Components, Lateral Tilts and Other Useful Tools for Posture Management

Dave Cooper, Elaine Antoniuk

Afternoon Session: 13:00 - 16:30

Dynamic components and lateral tilt are becoming more available as tools for posture management. This workshop will cover the rationale for these 'features', their important functioning criteria, and how one would go about selecting or designing such systems. There will also be discussion of other posture control components where it can be challenging to get the desired results. Notable among these is head control. There will be opportunity for exchange of ideas throughout. If you wish to contribute visuals you are welcome to submit them to the author at dcooper@cw.bc.ca.

(PS4) Cost: \$115 (\$100 if Symposium registrant) if you are attending both morning and afternoon workshops; \$140 (\$125 if Symposium registrant) if you are attending just one half-day workshop

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

Margaret Francis

Administrative Assistant, Therapy Department, Sunny Hill Health Centre for Children, Vancouver, BC

Kristina Hiemstra

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

Maureen O'Donnell

MD MSc FRCPC Associate Professor, Division of Developmental Pediatrics, Department of Pediatrics, University of British Columbia and Senior Medical Director, Sunny Hill Health Centre for Children, Vancouver, BC

Bonita Sawatzky

Associate Professor, Orthopaedics, University of British Columbia, Vancouver, BC



8:00	Registration: Exhibit Hall Opens & Continental Breakfast	
8:30	Opening Remarks	Maureen O'Donnell
8:45	Keynote Address	Bridging the Gap - Getting Physically Active Duncan Campbell
9:30	Plenary	Breathing and Upright Posture: Simultaneous Needs Mary Massery
9:55	Plenary	Should We Push Early Walking? Ginny Paleg
10:20	Plenary	Craniopagus Conjoined Twins - The Journey Continues Maureen Story
10:35	Poster Presentations	Each poster presenter will give a 1-minute, 1 slide presentation about their poster.
10:50	Refreshment Break & Exhibits	

11:30 INSTRUCTIONAL SESSION A

- A1** Cogent Application of Adapted Medical Equipment Solutions to Match Developmental Sequence in Early Intervention Populations
James Noland **Intermediate**
Developing a cogent plan of care that includes the introduction of medical devices to compensate for a child's disability or to support progress in a diminished area of development requires forethought and planning. The cognitive, emotional and social development of a child 0-3 years old may be profoundly impacted by not having devices which support goals based loosely on developmental sequence. Strategies for evaluating, goal setting and procurement of equipment to support these goals will be discussed.
- A2** Make It and Take It- A Beginner's Guide to Wheelchair Evaluations
Kay Koch, Susan Johnson Taylor, Brenlee Mogul-Rotman **Beginner**
This instructional course is for the beginner therapist or supplier who would like to create a wheelchair evaluation to use in their specific setting. This is a hands on course with three of the profession's experienced therapists who will work with the attendee to help develop a wheelchair evaluation that addresses product justification, equipment trials, home and environmental access. The attendee will leave with a template they can begin to use. There is no one universal evaluation, but this session will help with the main points of an evaluation, explain the why and what is needed for a comprehensive assessment that will help their patients/clients.
- A3** Why the Etiology of Pressure Ulcers is Still Unknown
Christian G. Olesen **Advanced**
The focus will be the aetiology behind the formation of pressure ulcers under the buttocks. Understanding the aetiology is a multidisciplinary task that involves therapy, biology and engineering. However, the different approaches lead to different answers to the same questions. An overview will be given of the questions which needs to be answered in order to get a full understanding.
- A4** Keeping it on the Straight and Narrow
Ian Denison, Doug Gayton **Limited Enrollment (50)*
Intermediate
Wheelchair track athletes have led the way in understanding the need to set wheelchairs up in such a way that minimal energy is wasted in propelling them. The factors that need to be considered are extensive and confusing. This session provides the participant with an opportunity to understand how to reduce rolling resistance.
- A5** Sensory Input Processing in Dynamic Seating: A Comprehensive Introduction of Micro-Stimulation with Overview of Clinical Outcomes in Sitting and Lying
Kathrin Brinks, Ginny Paleg **Intermediate**
Achieve stability and mobility at the same time with micro-stimulation. Children must be seated in a dynamic posture to become as active as possible. Learn how sensory input, especially touch, activates the child's posture and how micro movements guide fine motor skill development and increase body awareness.
- A6** Restraints and Long Term Care: Ugly Truths, Common Arguments, Realistic Solution
Stefanie Laurence **Intermediate**
At the end of the workshop, participants will be able to define three major categories of restraints, recognize common seating issues that result in the use of restraints, describe equipment parameters that can be utilized to reduce the use of restraints, and discuss the pros and cons of restraint use in long term care.
- 12:30 Lunch & Exhibits & Poster Session
The posters will be set up for delegates to view throughout the entire symposium. The presenters of the posters will be available during the assigned times (see Page 9) to answer any questions.



14:00 SIMULTANEOUS PAPER SESSIONS: #1 EACH PAPER PRESENTATION WILL BE 10 MINUTES IN LENGTH WITH 5 MINUTES OF Q&A

	SALON 1	SALON 2	SALON 3
14:00	Shoulder Joint Loading for Three Types of Lateral Wheelchair Transfers Padmaja Kankipati	The Gluteal Challenge- the Development and Outcomes of the Contour Seat Base for Spinal Cord Injury Clients with Significant Lower Limb Atrophy Charisse Turnbull	Motivation Worldmade Programme; The Impact on the Quality of Life of Mobility Disabled People in Less Resourced Settings Mary Jane Ngweni, Sarah A. Frost
14:15	Reducing Muscular Effort of Manual Wheelchair Propulsion: Evidence to Support the Benefits of a Geared Wheel Jack Callaghan <i>Manufacturer</i>	Dynamic versus Passive Standing: Investigating the Impact on Bone Mineral Density Sheila Blochinger, Megan Damcott	A Hierarchy of Training for Wheelchair Services in Less Resourced Settings Sarah A. Frost, Mary Jane Ngweni
14:30	What We Know and Need to Find Out About the Health Implications of Vibrations on Wheelchair Users Jon Pearlman	Lessons Learned in Conducting Research with Breathing and Upright Posture Lee Barks	One Year Follow-Up Study of Obligatory Wheelchair Users with Spinal Cord Injury in Nepal After Discharge From Inpatient Rehabilitation - Realities of Living in the Community and Suggested Solutions Joy Wee
14:45	The Effect of 2-Speed Geared Manual Wheelchair Propulsion on Shoulder Pain and Function Delia Freney, Jill Alm <i>Manufacturer</i>	Recognising Spastic Movements Automatically Facilitating Safe Control of Devices Jeff Morris	Building Sustainable Wheelchair Service Provision Communities: Phase I 'Nothing About Us Without Us' Rosemary J. Gowran
15:00	Effects of Cross Slopes on the Mobility of Manual Wheelchair Users Ana Souza	Ride Custom Seating Case Study Survey Review Kevin Phillips, Roxanne Husson	Beyond Boundaries: How to Structure an Adapted Outdoor Adventure Program for Individuals with SCI Deborah Pucci, Brenda Canning
15:15	Refreshment Break & Exhibits		

16:00 INSTRUCTIONAL SESSION B

- B1** Selecting the Appropriate Seat Cushion - How Much Do We or Should We Consider Material Science?
Sharon Pratt **Intermediate**
 This session will take participants through the critical steps of cushion selection. We will take into consideration body shapes and sizes as well as the science of materials. There will be opportunity to discuss and interpret clinically concepts such as immersion, envelopment and magnitude of pressure. Pressure mapping and product will be used to demonstrate the value of this information to everyday clinical decision-making.
- B2** Innovative Manual Wheelchair Solutions from Around the Globe - What are Other Prescribers of Manual Wheelchairs Using/Developing to Maximize Client Function and Promote Independence?
Amy S. Bjornson **Intermediate**
Manufacturer
 Our world is global, our wheelchairs should be too. Amy currently resides and works as a seating and mobility specialist in Australia. She also covers Japan, China, Malaysia, Korea, Thailand and New Zealand in her role as clinical educator for Sunrise Medical. Throughout her travels, she has seen and experienced some truly exceptional manual wheelchair configurations and components. This workshop will examine the unique solutions used around the world to promote client function and independence.
- B3** Evidence-Based Guidelines for the Prescription and Use of Power Tilt-in-Space Systems
Stephen Sprigle **Intermediate**
 This workshop will review data on the use and non-use of power tilt systems. Included will be a review of literature regarding pressure/load re-distribution and return of blood flow with tilt use. Clinicians can use the guidelines to drive prescription and justify the use of tilt-in-space to maximize successful outcomes.
- B4** Early Power Mobility
Roslyn Livingstone **Intermediate**
 In this workshop, the evidence base for introducing powered mobility to children with severe neuromotor disabilities at an early age will be reviewed. Research evidence, clinical practice and expert opinion will be discussed. Transferable messages from recent published and unpublished sources will be described, and educational materials will be presented.
- B5** Race and Recreational Seating Interfaces
Thomas Hetzel, Joseph Bieganeck **Intermediate**
Manufacturer
 Too often active wheelchair users experience pressure ulcers not from activities relative to every day seating and mobility, but as a result of trauma during out of wheelchair recreational activities. This instructional session will suggest strategies for protecting skin while enhancing performance in recreational and highly competitive sports activities.

17:00- 18:00 Reception & Exhibits



8:00 Registration & Continental Breakfast & Exhibits Open

8:30 Opening Remarks **Maureen O'Donnell**8:40 Plenary Access Technology for Sports - An Engineering and Paralympian Perspective
Jaimie Borisoff9:05 Plenary Taking the Heat Off – The Challenge of Managing Heat and Moisture in Seating
Tania A. Bowkett9:30 Plenary Outcome Measures
Simon Hall

9:55 Refreshment Break & Exhibits

10:40 SIMULTANEOUS PAPER SESSIONS: #2 EACH PAPER PRESENTATION WILL BE 10 MINUTES IN LENGTH WITH 5 MINUTES OF Q&A

SALON 1

SALON 2

SALON 3

10:40 A Multi-Centre Collection of Case Studies to Evaluate the Clinical Effectiveness of Squiggles Seat and Mygo Modular Seating System: the Methodological Process, and the Results
Francesco Fochi, Manuela Lodesani
*Manufacturer*Seating, Positioning, and Mobility Certification: An Update
Anjali WeberTelerehabilitation in Rural Areas Using Commercial Broadband
Nigel Shapcott (via Teleconference)10:55 The Impact of Caregiving for Children with Cerebral Palsy who Use Wheelchairs
Jackie CaseyThe Funder: The Forgotten (or Limiting?) Member of the Client's Health Care Team
Sandy Daughen, Anne Marie HogyaDigital Seating: Service Development & Research
Lorna Tasker11:10 Preliminary Results of a Pilot Study Using a Power Mobility Screening Tool as a Predictor of Successful Power Mobility Use, for Toddlers and Preschoolers with Disabilities
Michele E. Audet, Robin SkolskyDeveloping an Integrated Online Seating Education Program for all Clinicians "Down Under"
Charisse TurnbullDeveloping Regional Services on an Outreach Basis – An Irish Perspective of the Central Remedial Clinic
Tom Kehoe11:25 FIATS: An Family Impact of Assistive Technologies for Paediatric Seating Systems and Wheelchairs
Bonnie SawatzkyImplementation of Clinical Practice Guidelines Strategies
Laura McClurePreliminary Case Study Trials Assessing the Efficacy of a New Novel Mobility Assistive Device
Kelly Kaneswaran11:40 Spasticity in Spinal Cord Injury: The Role of Novel Intervention (SEGWAY)
Bonnie SawatzkyPreventing Pressure Ulcers: Findings from Evaluation of 200 Workers with Spinal Cord Injury
Jo-Anne M. Chisholm, Joanne YipPassive Standing Programs: A Systematic Review
Ginny Paleg

12:00 Lunch & Exhibits & Poster Session

The posters will be set up for delegates to view throughout the entire symposium. The presenters of the posters will be available during the assigned times (see Page 9) to answer any questions.

13:30 INSTRUCTIONAL SESSION C

C1 Pediatric Seating, Mobility & Equipment Issues From a Classroom Perspective

Christine A. Wright-Ott**Beginner**

Recommendations for equipment evaluated in the clinical setting may not be the best solution for the environments where children spend most of their time using the equipment: in the classroom and at home. Did anyone on the team ever think that the newest and greatest mid-wheel drive power wheelchair demonstrated in the clinic might not work in the classroom or at home? Did anyone consider that the walker recommended in clinic was not the best choice for participating in activities at recess and PE? This presentation will provide insight into what features should be considered when recommending seating systems, wheelchairs and support walkers in order to make daily life more accessible and successful for children in the classroom and home environments. Case studies and videos will be shared.

C2 Integrating Interface Pressure Mapping (IPM) Into Clinical Practice

Jo-Anne M. Chisholm, Joanne Yip**Intermediate**

Interface pressure mapping (IPM) is a tool increasingly used to augment the seating evaluation. This workshop will introduce the participant to the effective incorporation of IPM in clinical practice, including protocols of use, interpretation parameters, educational application, and documentation of findings.

C3 Manual Wheelchair Configuration and Training: An Update on the Evidence

Carmen P. DiGiovine, Theresa F. Berner, Tina Roesler**Intermediate**

Evidence-based practice is critical to meeting the needs of individuals with disabilities in terms of manual wheelchair selection, set-up, and consumer training. We will present clinically relevant studies that have been published since 2004 and give relevant clinical examples of how to apply this knowledge.

C4 Power Mobility: What Does Independence in Driving Skills Mean?

Sheila Buck**Intermediate**

Time and patience is critical in gaining success in driving. But what does success mean? Can driving with full supervision still be successful? This session will take you on a journey with three individuals who drive power wheelchairs while being fully supervised. Mobility may mean more than moving from point A to point B. It can enhance quality of life, socialization and overall health and well being.

C5 One-of-a-Kind: Design + Fabrication of Custom Alternate Positioning Devices

Anna Vouladakis**Intermediate**

Often children with special needs require customized devices to help facilitate everyday activities. At Sunny Hill Health Centre for Children, therapists and technicians work together to develop solutions to problems that cannot be resolved with commercially available equipment. The intention of this presentation is to share these solutions together with instructions and fabrication techniques. Some of the devices include bed positioners, belts and straps, floor sitters and other positioners for play. Visual examples will demonstrate the development process from fabrication to implementation. Attendees will receive patterns with instructions to take with them.



Main Symposium

14:30 Room Change

14:40 INSTRUCTIONAL SESSION D

D1 Toddlers on Wheels
Sonja Magnuson, Jennifer Law **Beginner**

Children (ages 1-3) with motor impairments have unique seating and mobility needs as they transition from commercially available products to more specialized equipment. In this workshop, a range of seating and wheeled mobility options, both commercial and custom made, will be presented. Factors that affect parents' choice and acceptance will also be discussed.

D2 Ecological Assessment of Power Mobility Use and Safety as Outcome Measures for User Training and Clinical Decision Making
Jan Miller Polgar, Patrick Boissy **Intermediate**

This session will present preliminary results of three studies from a larger project on ecological assessment of powered mobility use and safety. The results inform the use of powered mobility devices and enhance management of powered mobility safety through assessment, training, development of sensor-based outcome measures and best practice guidelines.

D3 Funding Complex Rehab: How to Give Clients Options in the Face of Declining Reimbursement
Kevin Phillips **Intermediate**

Due to reduced reimbursement for rehab equipment, client choices are often limited to 'best picks' by their supplier... a euphemism for least costly, most profitable. The reduction in choices is very frustrating to clients and outcome oriented clinicians and RTS'. This workshop will discuss strategies to make options available to your clients.

D4 Power Soccer- The Who, What, Where & Why
Donald Jones, Richard J. Escobar **Beginner**

Manufacturer Power Soccer; the only sport for persons with disabilities that uses powered wheelchairs. This sport caters to a wide range of persons with physical disabilities, ages range from 6 to 60+. Power Soccer promotes confidence, pride, self-esteem, and comradery in its participants.

D5 You've Got the Power - Talking, Computing, Controlling the Environment with the Power Wheelchair
Nicole Wilkins, Roslyn Livingstone **Intermediate/Advanced**

Come participate in some great case study video presentations of children and adults using power mobility, communication devices, computers and environmental controls. Learn more about how to match the client's needs with the wheelchair electronics from a variety of manufacturers. See how several clients use either built in/or external mouse movers and access methods to maximize their function. We will share our clinical reasoning and problem solving about what worked and what didn't and why decisions were made. The principles involved apply to both children and adults.

15:40 Refreshment Break & Exhibits

16:30 Adjourn

PROGRAM UPDATE: *Please note that the Panel Presentation "Gear Up! Get Active!: Opportunity, Access, and Technology in Recreation & Adaptive Sports" has been moved to Saturday 11:00 am. This session will also be available via webcasting after the conference.*

SATURDAY, MARCH 13th

8:00 Registration Open & Continental Breakfast

8:30 INSTRUCTIONAL SESSION E

E1 Everything You Need to Know to Start a Biking Program for Children with Special Needs
Ginny Paleg, Jennifer Miros **Beginner/Intermediate**

Biking for children with cerebral palsy, muscular dystrophy, spinal cord injuries and other diagnoses has a rich anecdotal history as well as a strong evidence basis. This one hour educational session will assist clinicians and equipment providers in designing optimal biking programs (assisted and independent biking), developing appropriate measurable functional outcomes and optimizing features to assist all children, especially those who are not community ambulators, to bike successfully. Two case studies will be used to illustrate these concepts

[Continued...]



[EI is on the previous page]

E2

Integrating Outcome into the Clinical Routine
Simon Hall, Mark Schmeler

Intermediate

In practice, outcome measures have been perceived as a necessary evil; developed by researchers, mandated by managers, and endured by clinicians. This session will provide practical strategies and examples of how simple outcome tools can be integrated into the clinical routine without causing burdens but rather improving the wheeled mobility and seating service delivery process.

E3

How The Past Guides Our Future
Brenlee Mogul-Rotman, Kathryn Fisher

Intermediate

The SCI individual will age with their disability requiring changes to their seating and mobility system as they progress through their initial rehabilitation phase and continue through life. This presentation will review the progression of equipment needs of long term clients and apply that knowledge to newly injured individuals.

E4

Positioning the Traumatic Brain Injured Client in an Inpatient Setting
Susan Johnson Taylor, Stacey McCusker

Beginner

The challenges of providing adequate seating and positioning for the brain injured population are significant. This population, particularly in the acute phase is quite variable and little research has been done to address specific seating and dependent mobility needs. It is a growing population especially for those who may work with service men and women who have been affected by blast injuries. The importance of early intervention cannot be emphasized enough. It is much easier to guide the client toward good postures as they improve than to correct poor postures. The client's seating and positioning needs may change significantly during the inpatient stay, making it imperative that they are reviewed regularly. The client may also have communication impairments, limiting their ability to give feedback about pain and comfort and adding to the challenge.

E5

What the Seating Therapist Should Know About Aspiration Risk Management
Jessica Presperin Pedersen, Fran Dorman

Intermediate

This instructional session provides a brief overview of how aspiration occurs and discusses observable signs and symptoms for those at risk. A clinical assessment protocol which focuses on positioning will be discussed. Models of intervention designed to prevent aspiration for adults with developmental disabilities living in the community will be demonstrated.

9:30 Room Change (10-minutes)

9:40 INSTRUCTIONAL SESSION F

F1

Bariatrics: Not Just for Adults Anymore
Kathryn Fisher, Jane Fontein, Delia Freney

Intermediate

Manufacturers Complications of bariatric issues influence the physical and psychosocial development of children and adolescents. Specific needs and functional challenges for obese pediatric clients will be identified. Creative equipment solutions will illustrate the use of assistive mobility and transfer technology to ensure safety in mobility, transfers and caregiving activities.

F2

Why Providers of Wheelchairs Should be Cognizant of Night Time Positioning: A Practical, Instructional Session
David Long

Intermediate

Postures adopted sitting in a wheelchair affect comfort, function and medical condition. This session will discuss why positioning in lying is also of great importance, what information is needed in order to make a recommendation and demonstrate simple, inexpensive ways to put these recommendations into practice.

F3

Translation of the Randomized Clinical Trial in Seat Cushion in Elderly Long Term Care Residents into Practice
Ana Allegretti, Dave Brienza

Intermediate/Advanced

This presentation will include a summary of the results from the RCT and a discussion on how the results should and should not be translated into and used in clinical guidelines.

F4

When Considering Seating Solutions; Where do Off-the-Shelf Applications Stop and Where Should Custom Shaping Start?
Sharon Pratt

Intermediate/Advanced

The primary focus of this program is to get participants thinking about custom shaping from a seating perspective along with its pros and cons. What are the clinical best practices? Are there any? An overview of the basic principles of seating, postural deviations and skin issues will be covered to assist with the hierarchy of product application. Some clinicians fear custom shaping. The fear often stems from questions like "What if the mold is not ideal?" "What if I can't change it?" "How can I know what I am getting without being able to see it for assessment?" It is the goal of this session to provide some answers to these commonly asked and thought about questions.

F5

Safe Transportation for Infants, Children and Youth with Special Needs in Canada
Elizabeth H.W. Cuddy

Intermediate

This workshop will provide an overview of the information required for a better understanding of the complex issue of safe transportation for infants, children and youth with special needs. Providing relevant and current information is essential. Topics covered include legislation, best practice, and the experiences of therapists at OCTC.

10:40 Refreshment Break

11:00 Panel Presentation "Gear Up! Get Active!: Opportunity, Access, and Technology in Recreation & Adaptive Sports"
Chair: Kay Koch **Presenters: Kendra Betz, Peter Axelson, Amy E. Rauworth**
Sponsored by The ROHO Group

12:10 Plenary Bariatric Seating and Mobility - Considering the Options
Jean Minkel

12:30 Plenary Paralympics Vancouver 2010: Events, Athletes & Assistive Technologies
Kendra Betz

12:50 Closing Remarks & Evaluation **Maureen O'Donnell**

1:00 Adjourn

RELATED ACTIVITIES

14:00 ISO Working Group Meeting (from Saturday at 14:00 – Sunday PM)



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

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THE ROHO GROUP [PANEL PRESENTATION]

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For an updated exhibit listing and floorplan, please see our website at www.interprofessional.ubc.ca

POSTER PRESENTATIONS

Poster Presenters will give a 1-minute presentation on their posters on **Thursday at 10:30**. They will be available for questions during the poster sessions on **Thursday at 12:30-14:00** and **Friday at 12:00 - 13:30**. Posters are available for viewing on all three days of the Symposium.

"How Can Clinicians and Researchers Advance Our Science Together, Using Conceptual Models?"

Lee Barks

"Preventing Pressure Ulcers: Findings from Evaluation of 200 Workers with Spinal Cord Injury"

Jo-Anne M. Chisholm, Joanne Yip

"Clothing - The Interface Between the Client and Your Seating Solution"

Ruth J. Clark

"An On-line Education Module for the Level of Sitting Scale" &

"The Level of Sitting Scale"

Debbie A. Field

"The Traveling Road Show: Sharing a Pressure Mapping System in Northern British Columbia (BC)"

Charlene A. Gilroy

"Experiment in the User-Adjustable Seating Interface on "Access Dinghy" for School-age Children with Cerebral Palsy"

Junko Kodama

"Quantifying Driving Characteristics during Power Wheelchair Soccer at National Veterans Wheelchair Games"

Amit Kumar

"A Day at the Beach"

Joe Perry, Clayton Carriere

"Self-Presentational Efficacy Among Wheelchair Users"

Paula W. Rushton

"The Zen of Seating: Finding Seating Balance following a Hemipelvectomy"

Cheryl Sheffield

"Fundamental Skills of a Wheelchair Seating Assessment "An Online Course"

Maureen Story

"The Gluteal Challenge- the Development and Outcomes of the Contour Seat Base for Spinal Cord Injury Clients with Significant Lower Limb Atrophy"

Charisse Turnbull

"Body Posture - Crucial to Ride a Bicycle Independently, A Case Study" &

"The Prone Positioner - Part of 24 Hour Management"

Knut Magne Ziegler-Olsen

26th International Seating Symposium Symposium Presenters 2010



Ana Allegretti, PhD, OT, Department of Rehabilitation Science and Technology, University of Pittsburgh, Pittsburgh, PA

Elaine Antoniuk, BSc PT, Sunny Hill Health Centre for Children, Vancouver, BC

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

Lee Barks, PhD, ARNP, Nursing Research, Veterans Administration, University of South Florida, Tampa, FL

Theresa F. Berner, MOT, Occupational Therapy, The Ohio State University Medical Center, Columbus, OH

Kendra Betz, MSPT, ATP, Prosthetics Clinical Coordinator, Prosthetics Clinical Coordinator, Prosthetic & Sensory Aids Service, Veterans Health Administration, Washington, DC

Joseph Bieganeck, ATP, Orthotist, Ride Designs, Sheridan, CO

Amy S. Bjornson, BA, BS, MPT, ATP, Physical Therapy, Sunrise Medical, Neutral Bay, Sydney, New South Wales, Australia

Patrick Boissy, PhD, Kinesiologist, Universite de Sherbrooke, Sherbrooke, QC

Jaimie Borisoff, PhD, President, Instinct Mobility Inc.; Research Associate, Neil Squire Society; Paralympian, Canadian Wheelchair Basketball, Vancouver, BC

Tania A. Bowkett, NZDip OT, Occupational Therapist, CI South Ltd, Pirongia, TeAwamutu, New Zealand

Allan Boyd, Vice-president of Business Development, Magicwheels Inc, Seattle, WA

Dave Brienza, PhD, Department of Rehabilitation Science and Technology, University of Pittsburgh, Pittsburgh, PA

Kathrin Brinks, MSc, Occupational Therapist, IGAP Institute for Innovations in Healthcare and Applied Nursing Science, Bremervorde, Lower Saxony, Germany

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

Jack P. Callaghan, PhD, Ergonomist, University of Waterloo, Waterloo, ON

Duncan Campbell, National Coordinator, Bridging the Gap Program, Canadian Wheelchair Sports Association, Richmond, BC

Brenda Canning, BS, Occupational Therapist, Rehabilitation Institute of Chicago, Chicago, IL

Clayton Carriere, BRS, Recreation Coordinator, Health Sciences Centre, Winnipeg, MB

Jackie Casey, MSc, BSc Hons, Occupational Therapy, University of Ulster, Newtownabbey, Antrim, N.Ireland

Leanne Chambers, RPN, Director of Clinical Services, Motion Specialties, Toronto, ON

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

Ruth J. Clark, Adaptive Clothing Specialist, Fashion Moves, A Division of Prestige Health Care Technologies, Kamloops, BC

Laura Chen, PT, PhD, Rehabilitation and Technology Consultants, LLC, Decatur, GA

Dave Cooper, MSc., Rehabilitation Technologist, Sunny Hill Health Centre for Children, Vancouver, BC

Elizabeth H.W. Cuddy, BScOT, OT Reg, Occupational Therapist, The Ottawa Children's Treatment Centre; Clinical Coordinator, Seating and Mobility Service, Ottawa, ON

Sandy Daughen, BHScOT, Occupational Therapist, Magma Rehabilitation, Victoria, BC

Kim Davis, MSPT, ATP, Physical Therapy, ATECH Services, Laconia, NH

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

Carmen P. DiGiovine, PhD, Assistant Professor and Rehabilitation Engineer, The Ohio State University, Columbus, OH

Fran Dorman, MHS, PT, Consultant Clinical Service Bureau, State of New Mexico, Albuquerque, NM

Richard J. Escobar, BS, ATP, RJE Designs, Cupertino, CA

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

Laura Finney, PhD, MSc, BEng, CEng, James Leckey Design, Belfast, Co. Down, N.Ireland

Kathryn Fisher, BSc (OT), Occupational Therapist, Shoppers Home Health Care, Toronto, ON

Francesco Fochi, Physiotherapist, Otto Bock Italy, Budrio, Bologna, Italy

Jane Fontein, BSc (OT), Occupational Therapist, PDG Mobility, Vancouver, BC

Delia Freney, OTR/L, ATP, Occupational Therapist, Kaiser Permanente, Castro Valley, CA

Sarah A. Frost, Grad Dip Phys, MCSP Physiotherapist, Motivation Charitable Trust, Backwell, Bristol, UK

Doug Gayton, BEd, ATP, G.F. Strong Rehabilitation Centre, Vancouver, BC

Charlene A. Gilroy, BSc. OT (Hon), Occupational Therapist, Northern Health - Home and Community Care, Prince George, BC

Stephanie Glegg, Occupational Therapist, Acute Rehabilitation & Brain Injury Team, Positioning & Mobility Team (PMT), Sunny Hill Health Centre for Children, Vancouver, BC

Rosemary J. Gowran, BSc (Hons) OT, MSc OT, Lecturer/ Researcher, Occupational Therapy, Health Research Board Therapy Fellow, University of Limerick, Limerick, Ireland

Simon Hall, Central Remedial Clinic, Dublin, Ireland

Thomas Hetzel, BSc PT, ATP, Ride Designs, Sheridan, CO

Anne Marie Hogle, BScOT, MA, Magma Rehabilitation Victoria, BC

Roxanne Husson, PT, PT in Motion, San Diego, CA

Donald K. Jones, ATP, BS in Adapted Physical Ed, Hollister Freewheelers, SHARP (Specialized Hollister Activities & Recreation Programs), Hollister, CA

Kelly Kaneswaran, Department of Electronic and Computer Engineering, University of Limerick, Ireland

Padmaja Kankipati, MSc, Graduate Student, Human Engineering Research Laboratories, University of Pittsburgh, Pittsburgh, PA

Kay Koch, BS in OT, Occupational Therapist, Mobility Designs, Atlanta, GA

Shin-ichi Kodama, Prosthetist, Yokohama Rehabilitation Center, Kanagawa, Japan

Tom Kehoe, Manager of Clinical Services, Central Remedial Clinic, Dublin, Ireland

26th International Seating Symposium Symposium Presenters 2010



Amit Kumar, BPhT, MS(c), Physical Therapist, Human Engineering Research Laboratories, VA Pittsburgh Healthcare System, Pittsburgh, PA

Stefanie Laurence, BScOT, Occupational Therapist - Education Manager, Motion Specialties, Toronto, ON

Jennifer Law, MSc, Occupational Therapist, Vancouver, BC

Roslyn Livingstone, Occupational Therapist, Sunny Hill Health Centre for Children, Vancouver, BC

Manuela Lodesani, MD, Unit of Rehabilitation for Children with Disabilities Hospital, S.Maria Nuova, Reggio Emilia, Italy

David Long, BEng (Hons), MSc, Clinical Scientist, Nuffield Orthopaedic Centre NHS Trust, Oxford, Oxon, UK

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

Mary Massery, PT, DPT, Massery Physical Therapy, Glenview, IL

Chris Maurer, MPT, ATP, Physical Therapist, Clinical Researcher, Shepherd Center, Atlanta, GA

Laura McClure, MPT, Physical Therapist, Graduate Student, University of Pittsburgh, Pittsburgh, PA

Stacey McCusker, MPT, PT, Rehab Institute of Chicago, Chicago, IL

Jan Miller Polgar, PhD, Occupational therapist, The University of Western Ontario, London, ON

Jean Minkel, PT, ATP, Consultant, Minkel Consulting, New Windsor, NY

Brenlee Mogul-Rotman, OT Reg. (Ont), ATP, Toward Independence, Richmond Hill, ON

Jeffrey Morris, Head of the Electronic Assistive Technology Service for Wales, The National Centre for Electronic Assistive Technology, Rookwood Hospital, Cardiff, UK

James Noland, CRTS, Presque Isle Rehabilitation Technologies L.L.C., Erie, PA

Mary Jane Ngweni, B-Occ Ther., Occupational Therapist, Motivation Africa, Ward D, Western Cape Rehabilitation Centre, Cape Town, South Africa

Maureen O'Donnell, MD, MSc, FRCPC, Head and Assistant Professor, Division of Developmental Paediatrics, Department of Paediatrics, University of British Columbia, Vancouver, BC

Christian G. Olesen, MSc, PhD Student, Biomechanical engineering, Aalborg University, Aalborg E, Jylland, Denmark

Ginny Paleg, DScPT, PT, Montgomery County Public Schools, Silver Spring, MD

Richard Pasillas, Custom Seating Specialist, Santa Fe, CA

Jon Pearlman, PhD, University of Pittsburgh & VA Pittsburgh Healthcare System, Pittsburgh, PA

Joe Perry, Vendor, Canadian Health Care Products, Winnipeg, MB

Jessica Presperin Pedersen, MBA, OTR/L, ATP, Presperin Pedersen Associates, Franklin Park, IL

Kevin Phillips, ATP, Ability Center, San Diego, CA

Sharon Pratt, PT, Director of Education, Seating, Sunrise Medical, Longmont, CO

Deborah L. Pucci, MPT, Physical Therapist, Rehabilitation Institute of Chicago/ Spinal Cord Injury Association of Illinois, Chicago, IL

Tina Roesler, MSPT, Physical Therapist, TiLite, Kennewick, WA

Francois Routhier, PhD, Engineer, Universite Laval, Quebec, QC

Paula W. Rushton, PhD Candidate, Rehabilitation Sciences Research Graduate Program, UBC, Vancouver, BC

Stephen E. Ryan, PhD, PEng, Scientist, Bloorview Research Institute, Bloorview Kids Rehab, Toronto, ON

Bonnie Sawatzky, Associate Professor, Orthopaedics, UBC, Vancouver, BC

Mark Schmeler, PhD, OTR/L, ATP, University of Pittsburgh, Pittsburgh, PA

Nigel Shapcott, MSc, Rehabilitation Engineer, Morriston Hospital, Swansea, Wales, UK

Robin Skolsky, MS, PT, ATP, Physical Therapist, Children's Healthcare of Atlanta, Atlanta, GA

Cheryl Sheffield, BScOT, ATP, Occupational Therapist, G.F. Strong Rehab, VCHA, Vancouver, BC

Vanessa Siegel, Director of European Planning and Government Affairs, The ROHO Group, Belleville, IL

Sharon E. Sonenblum, ScM, Doctoral Candidate, Georgia Institute of Technology, Atlanta, GA

Ana Souza, MS, Graduate Student, University of Pittsburgh, Pittsburgh, PA

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

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

Lorna Tasker, MEng, MSc, Pre-registrant Clinical Scientist, Rehabilitation Engineering Unit, Morriston Hospital, Swansea, Wales, UK

Susan Johnson Taylor, BS, OT/L, Rehab Institute of Chicago, Chicago, IL

Charisse Turnbull, BSc (OT), Cert IV, Occupational Therapist and Project Officer, NSW State Spinal Cord Injury Service, Ryde, NSW, Australia

Menno van Etten, Physiotherapist, Product Manager, Etac AS, Moss, Norway

Anna Vouladakis, Bachelor of Industrial Design, Positioning Device Technologist, Sunny Hill Health Centre for Children, Vancouver, BC

Kelly Waugh, PT, MAPT, ATP, Senior Instructor/Clinic Coordinator, Assistive Technology Partners, University of Colorado Anschutz Medical Campus, Department of Physical Medicine and Rehabilitation, Denver, CO

Anjali Weber, MSBME, Director of Certification RESNA, Rosslyn, VA

Joy Wee, Physician, Queen's University, Kingston, ON

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

Christine A. Wright-Ott, MPA, OTR/L, Occupational Therapist, Independent Consultant, San Jose, CA

Joanne Yip, BSK, Occupational Therapist, G.F. Strong Rehab Centre, Vancouver, BC

Knut Magne Ziegler-Olsen, Physiotherapist, NAV Assisted Technology Center, Telemark, Norway

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

Affiliation/Profession (select only one)

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

(please specify)

Dietary Restrictions (for lunches)

Pre Symposium Workshops

(Pick One full-day or Two half-day sessions)

- | | |
|---|---|
| <input type="checkbox"/> PS1 (full day) | <input type="checkbox"/> PS3 (half day) |
| <input type="checkbox"/> PS2 (full day) | <input type="checkbox"/> PS4 (half day) |

Instructional Sessions - 1 hr

Please refer to the program for session descriptions. Sessions are filled on a first-come, first-served basis.

Please enter your two choices to ensure space availability

1ST CHOICE 2ND CHOICE

Example: _____ A1 _____ A5

Session A: _____

Session B: _____

Session C: _____

Session D: _____

Session E: _____

Session F: _____

Method of Payment

- We are unable to register anyone without one of the following:
1. Payment by Visa, MasterCard or Cheque received at the time of the registration
 2. Signed purchase order (original or photocopy)
 3. Letter of Authorization 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
 4. Signed cheque requisition form

Mailing Address & Payment by Cheque:
Please make your cheque payable to the University of British Columbia and send to: Interprofessional Continuing Education, The University of British Columbia, Room 105 - 2194 Health Sciences Mall, Vancouver, BC V6T 1Z3

Charge by phone/fax:
Local/International: (604) 827-3112; Toll free within Canada/USA: 1-877-328-7744
Register by Fax: (604) 822-4835

Registration Fees:

Early Bird rate is prior to **January 5th, 2010**

All values are in Canadian Currency and include 5% GST.
Registration prior to **February 1st, 2010** is strongly recommended to ensure you receive your course selections.

Pre-Symposium Workshops, March 10, 2010

(These are an additional cost to the Symposium fee)

Attending: just the workshop Workshops & Symposium

- | | | |
|-------------|--------------------------------|--------------------------------|
| PS 1 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$195 |
| PS 2 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$195 |

If you are attending both morning and afternoon workshops, please use this fee structure:

- | | | |
|-------------|--------------------------------|--------------------------------|
| PS 3 | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$100 |
| PS 4 | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$100 |

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

- | | | |
|-------------|--------------------------------|--------------------------------|
| PS 3 | <input type="checkbox"/> \$140 | <input type="checkbox"/> \$125 |
| PS 4 | <input type="checkbox"/> \$140 | <input type="checkbox"/> \$125 |

Workshop Subtotal: \$ _____

Symposium Registration

(None of the following prices includes Pre-Symposium workshops which are an additional cost)

Entire 2 and a half-day Symposium
 \$495 Early Bird \$545 Regular

Thursday, March 11th only
 \$235 Early Bird \$255 Regular

Friday, March 12th only
 \$235 Early Bird \$255 Regular

Saturday, March 13th only
 \$125 Early Bird \$145 Regular

Symposium Subtotal: \$ _____

Total: \$ _____

Online Registration:
www.interprofessional.ubc.ca

Please fill out this section if you are paying with a credit card:

-  

Credit Card Number Expiry Date

Name of Card Holder

Please note: A \$25 processing fee will be charged for the re-issue of lost tax receipts. PLEASE SEE GENERAL INFORMATION PAGE FOR CANCELLATION POLICY.