

Featuring the:

Sixth Annual Chris Bar Research Forum

sponsored by Roho, Inc.

March 2 - 4, 2006

Pre-Symposium Workshops Wednesday March Ist, 2006 at various locations

- First Steps Fundamental Skills of a Seating Assessment
- How to Make Friends and Influence People with Clinical Research in Rehab
- The Basics of Wheelchair Maintenance
- Calgary IPM Protocol for Sitting
- Wheelchair Seating and Mobility: **Advanced Applications**
- Pick Which Switch Fits the Niche: Activating **Power Mobility Functions with Switches**
- **Fabrication of Seating Systems**

Westin Bayshore Resort & Marina

1601 Bayshore Drive Vancouver, BC Canada

SPONSORED BY:

Sunny Hill Health Centre for Children Vancouver, BC



Interprofessional Continuing Education

The University of British Columbia A Team Approach to Learning



School of Health and **Rehabilitation Sciences**

The 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. Topic areas include service delivery, product development, research and evaluation. The format for the symposium will include plenary, poster, instructional and paper sessions. Extensive opportunities are provided for networking with colleagues.

Location

The Westin Bayshore Resort & Marina 1601 Bayshore Drive (parallel to West Georgia Street) Vancouver, B.C. Canada V6G 2V4

Hotel Accommodation

Please make your own reservation by calling the Westin directly. Identify yourself with the Seating Symposium. Hotel tax of 10% and 7% GST must be added to all rates. Telephone: toll free anywhere in North America 1-800-937-8461; Local calls 604-682-3377; Fax 604-691-6980.

Rate: CAD \$149 single

A block of rooms has been booked and will be held at the conference rate until February 27th, 2006.

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 by:

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

Please see registration form for details. Pre-registration prior to **February 10th**, **2006** 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 $(2\frac{1}{2} \text{ days}).$

Registration Fees

See Registration Form for details. All Symposium fees listed are in Canadian dollars (CAD\$). The tuition fee includes course materials, refreshment breaks and a reception scheduled for Thursday, March 2nd, 2006.

Registration via the internet

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 workshop 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:

604-822-2801, or

toll free within North America 1-877-328-7744 or Fax 604-822-4835.

Refunds

Will be made (less a CAD\$50.00 processing fee) if written notice of withdrawal is received by February 10th , 2006. 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 less a \$50 CDN handling charge, will be returned. The University of British Columbia is not responsible for any other costs, including but not limited to airline or hotel penalties.

Study Credits and Certificate of Attendence

A Certificate of Attendance will be issued to all participants listing preapproved continuing education credits. For updates in regards to credits see our website: www.interprofessional.ubc.ca

EXHIBITORS

Ability Healthcare Group Inc.

Action Products

Adaptive Engineering Lab, Inc

Advanced Health Care

A.R.T. Group

Altimate Medical, Inc.

Amysystems

Bendragon limited

Bodypoint, Inc.

CAMP Healthcare/Trulife

Convaid, Inc.

Degage US, LLC

Falcon / LaBac

Freedom Concepts Inc.

Froglegs, Inc.

Future Mobility Healthcare Inc.

Innovation In Motion

Invacare Corporation

KI Mobility

Les Équipements adaptés Physipro Inc.

Levo USA

Magic Wheels Inc

Marken International Inc.

Motion Concepts

Moving People.Net/Optiway Technology

Otto Bock

Parsons ADL Inc.

PDG Product Design Group

Performance Health Care Products

Permobil, Inc.

Practical Things, LLC.

PRM (Precision Rehab Manufacturing)

Q'Straint

Quantum Rehab, A Div of Pride

Mobility Prod Corp. Rehab Management

Sammons Preston Rolyan

Snug Seat

SOS Rehab

Specmat Technologies

Stealth Products, Inc.

Sunrise Medical

Supracor, Inc

Symmetric Designs

Tekscan, Inc.

The ROHO Group

Three Rivers/Out-Front

US Rehab

Varilite

Vista Medical

XSENSOR Technology Corp.

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.

FULL DAY SESSIONS

PS I: First Steps - Fundamental Skills of a Seating Assessment

Maureen Story Elaine Antoniuk Lynore McLean

Full Day Session: 9:00 am - 4:00 pm Held at: Westin Bayshore Resort and Marina

The purpose of this workshop is to enhance the knowledge and expertise in the area of wheelchair seating assessment. This workshop is designed for individuals who wish to develop their fundamental assessment skills for seating and positioning. The areas of focus will include principles of seating, general goals, pre-mat assessment, body land-marking, terminology, mat assessment, and common problems and possible solutions. It will include a 'hands-on' assessment component.

(PSI) Cost: \$150 (\$135 if Symposium registrant)

PS 2: Calgary IPM Protocol for Sitting

Jillian Swaine Michael Stacey Dan Bader Stephen Sprigle

Linda E Janzen Cheryl Oga

Full Day Session: 9:00 am - 4:00 pm Held at: Westin Bayshore Resort and Marina

Dr. Bader and Dr. Sprigle share the research relevant to interface pressure mapping and preventing sitting acquired pressure ulcers (SAPUs). Their research includes: the four processes that contribute to tissue injury; deep tissue injury; types of shear; and friction. Dr. Stacey introduces the Calgary Interface Pressure Mapping Protocol and its relevance to sitting acquired pressure ulcer prevention and management from an international perspective. Participants will have an opportunity to practice the administration protocol and apply its interpretation to case studies.

(PS2) Cost: \$150 (\$135 if Symposium registrant)

PS 3: Fabrication of Seating Systems

Robert Stickney Gordon Broughton David Cooper

Limited Enrollment (20)

Full Day Session: 9:00 am - 4:00 pm

Held at: Sunny Hill Health Centre for Children

(bus transportation will be provided)

This workshop will demonstrate the variety of techniques we use to position 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. The use of the internet for seating and positioning related information will also be demonstrated.

(PS3) Cost: \$150 (\$135 if Symposium registrant)

PS4: Seating and Mobility: Advanced Applications

Jo-Anne Chisholm Joanne Yip Ian Denison

Full Day Session: 9:00 am - 4:00 pm Held at: Westin Bayshore Resort and Marina

A hands-on, intensive I-day workshop for occupational therapists, physical therapists and seating technicians who have seating experience. Designed for therapists who have taken introductory seating workshops, and are familiar with the mat assessment and seating theory in general, 'Advanced Applications' engages the participant in indepth clinical problem solving in positioning and mobility. The practical emphasis in this workshop is on wheelchair and seating setup and manipulation of equipment. Within the context of solving specific seating and mobility problems, participants will have the chance to tinker with a range of equipment.

(PS4) Cost: \$150 (\$135 if Symposium registrant)

MORNING SESSIONS

PS 5: The Basics of wheelchair Maintenance

Mark Dilabio Wendi Harder

Morning Session: 9:00 am - 12:00 noon Held at: Westin Bayshore Resort and Marina

Small wheelchair adjustments significantly impact wheelchair performance. This hands-on workshop will provide opportunities to learn and practice wheelchair adjustments and routine maintenance. Opportunities for adjusting seating components will also be offered. This workshop will be of interest to wheelchair users, therapists and care-givers.

(**PS5**) Cost: \$80

(\$70 if Symposium registrant)

PS 6: How to Make Friends and Influence People with Clinical Research in Rehab

Bonita Sawatzky Ian Denison

Morning Session: 9:00 am - 12:00 noon Held at: Westin Bayshore Resort and Marina

This workshop will explore how to take a clinical question from conception to answering a well thought out clinical research question that can be investigated by the clinicians on the frontline. We will illustrate the process using a study recently completed that investigated the minimal abilities required to use a Segway Human Transporter

(PS6) Cost: \$80

(\$70 if Symposium registrant)

AFTERNOON SESSION

PS 7: Pick Which Switch Fits the Niche: Activating Power Mobility Functions with Switches

Deborah Pucci Jessica Presperin Pedersen

Morning Session: 1:30 pm - 4:30 pm Held at: Westin Bayshore Resort and Marina

Providing an individual with the appropriate switch technology can create functional opportunities that may not have previously existed. Workshop participants will be presented with a framework for the evaluation, selection, and integration of various switch technologies with power mobility devices. Case studies, discussion, and demonstration will allow for hands-on experience with various switch applications.

(PS7) Cost: \$80

(\$70 if Symposium registrant)



8:00 Registration: Exhibit Hall Open & Continental Breakfast

8:30 **Opening Remarks** Maureen O'Donnell

8:40 **Keynote Address**

Martha C. Piper

9.25 **Plenary** Preclinical Studies Towards Treatments for Spinal Cord Injury

Wolfram Tetzlaff

9:50 Plenary Seating, Is There Anything More Important to Life?

Walter Lawrence

Spinal Cord Injury Rehabilitation: What's the Evidence Telling Us? 10:15 Plenary

Janice Eng

10.40 Refreshment Break & Exhibits

ΑI

11:30 Instructional Sessions – Group A (11:30 - 12:30)

Designing for Function and Independence

Intermediate Manufacturer Jane Fontein

Case studies will be used to demonstrate how certain properties can assist clients to become more independent or how they may interfere with independence. Although case studies presented will have an emphasis on the elderly, clients requiring tilt and recline and/or the bariatric population, properties discussed can be applied to all situations.

A2 Early Intervention - Why Bother?

Ginny Paleg Intermediate

Early Intervention (age 0-3 years) is an evidence-based practice. We will review the research that shows how early positioning and mobility enhances brain development and cognition. Case studies will be used to demonstrate the consequences of poor and/or unsupported posture during these early months and years.

A3 The Rear Wheel Big Deal - Manual Chair Considerations for Fit and Function

Kendra Betz Intermediate

The rear wheel deserves critical consideration for manual chair configuration, performance, and skills training. This session includes a review of the many options available for rear wheel selection and orientation with incorporation of relevant research findings. Strategies for clinical problem solving and client education will be presented via case examples.

A4 Therapeutic Seating and Positioning for Individuals with Dysphagia

Karen Hardwick Beginner/Intermediate/Advanced

This presentation discusses therapeutic seating and positioning for individuals with dysphagia, a term that refers to dysfunction in eating and swallowing. Seating and positioning provide a conservative approach to management of dysphagia through use of contouring for stabilization and support, tilt-in-space technology to reduce reflux and improve gastric emptying, and automation.

Independence versus Dependence...Making the Tough Seating and Mobility Choices for Persons with C5-6 Spinal Cord Injury

Manufacturer **Joan Padgitt** Beginner

For the person with C5-6 spinal cord injury (SCI), there is a fine line between independence and dependence. Focus will be made on how to select key information from your client interview and physical and functional evaluation to determine seating and mobility objectives. Case studies will be shown to demonstrate how even minute changes to the person's wheelchair and seating system can either promote or hinder functional independence.

International Standard for Postural Measures of a Wheelchair Seated Person **A6**

Barbara Crane Douglas Hobson Intermediate/Advanced

An international standard defining measures used in wheelchair seating has now been completed. The concepts and definitions contained in this standard will be reviewed in this session. Attendees will have an opportunity to give input for the development of related clinical guidelines and will learn how they might be more involved in this process if desired.

Simultaneous Paper Sessions: I	(14:00 - 15:15)	Each Paper Presentation will be 10 minutes in length with a 5 minute Q & A
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	Room I	Room 2	Room 3
14:00	Measuring the Effect of Seating Devices on Families of Children with Cerebral Palsy Stephen Ryan	Impact of Spinal Fusion in Spina Bifida on Weight Distribution in Sitting Mary Rabzel	Postural Management and Early Intervention in Seating: What's the Evidence? Claire Wright
14:15	Development of the Calgary Interface Pressure Mapping Protocol for Sitting Jillian Swaine, Michael Stacey	Wheelchair Seating Discomfort: Comparison of Standard Powered Seating with a Prototype User Adjustable Seating Interface Barbara Crane	Technology Assisted Adventure Play/Learning Martin C. Langner
14:30	Effectiveness of Formal Training using the Calgary IPM Protocol for Sitting Linda Janzen, Cheryl Oga	Quantitative Assessment of the Functional Adaptation of Bone and Cartilage at the Glenohumeral Joint of Manual Wheelchair Users Amy LaFrance	Development of Night Positioning within a Framework of 24 Hour Postural Management Amanda O'Sullivan
14:45	The WhOM: A Client Specific Outcome Measure of Wheelchair Intervention William B. Mortenson, William C. Miller, Jennifer Garden	The Effects of Spinergy Wheels on Pain and Spasticity Bonita Sawatzky	The Effects of Supportive Seating on Hand Function on Primary School Children with Disability Mary McCormick, Rachel Glennane
15:00	Tele-Rehabilitation: A Web-Based Tool for Clinicians Linda van Roosmalen, Michael Pramuka	Pain Perception in Parapalegic Wheelchair Users Bonita Sawatzky	Toward Understanding the Opinions of School- Aged Students about Adaptive School Chair Designs
15:15	Refreshment Break (held in the exhibit hall)		Stephen Ryan

16:00 Instructional Sessions – Group B (16:00 - 17:00)

B1 Calgary IPM Protocol for Alternating Pressure Air Surfaces

Jillian Swaine Michael Stacey Don Bader Advanced

Alternating pressure air cushion (APAC) and alternating pressure air mattresses (APAM) are widely used for wound prevention and treatment. Dr. Bader will present the recent research at the cellular and tissue level that are relevant to this support surface technology. This research provides the background for the *Calgary Interface Pressure Mapping (IPM) Protocol for Alternating Pressure Air Surface* which will be presented.

B2 What's Happening These Days out in "Therapy Land" and Why it Matters to AT Folks

Cathy Bazata Beginner

This session will introduce participants to a variety of therapy treatment modalities & programs and discuss their interface into the world of seating & mobility. Areas will include: nutritional management, therapeutic listening, sensory processing/sensory integration, MFR/CSR (myofascial/cranialsacral release) and communication. This will be a quick romp through "therapy land."

B3 Custom Sleep Systems: A New Approach to an Old Problem

Bryan Malone Deborah Poirier Intermediate/Advanced

The importance of appropriate night time positioning can not be overestimated, especially for those with reflux, excessive movement disorders, or severe contractures. In this course, we will discuss and demonstrate the evaluation, design, and fabrication of a custom sleep system. Data to demonstrate the efficacy of sleep systems will also be presented.

B4 Classifying Pain in Relation to Seating Intervention

Jessica Presperin Pedersen Annie O'Connor Intermediate

This instructional course will focus on the classification of pain types delineating the peripheral nervous system pain from central nervous system pain. Annie O'Connor and Jessica Presperin Pedersen will combine their years of experience on pain and seating to discuss patients referred to the seating clinic based on concerns regarding pain.

B5 Powered Mobility Training for Young Children, and/or Individuals with Cognitive Deficits

Karen Kangas Intermediate/Advanced

Powered mobility training for individuals who have never experienced independent mobility cannot continue to utilize strategies used in the past. How chairs are configured, the electronics programmed, the seating developed and the environment planned are all critical to successful use. These strategies will be shared with real case studies.

B6 The Science of Seating Materials - Why Do We Care From a Clinical Perspective?

Sharon Pratt Stephen Sprigle Evan W. Call Intermediate

This program will provide attendees with a detailed critical analysis of the properties of the most common materials used in seating. The information provided will be invaluable when doing seating selection and prescription.



Registration & Exhibits

Opening Remarks Maureen O'Donnell 8:30

Keynote These Feet Were Made for Walking

1976 - 2006: Retrospective or Prospective? From Pillows to Pillows or To Lateral Tilt and Back 9:05 **Plenary**

Karen Hardwick

Pulling it all Together: Wheelchair Distribution in Kenya **Plenary**

Cathy Mulholland

9:55 Refreshment Break & Exhibits

9:30

Simultaneous Paper Sessions: 2 (10:40 - 12:00) Each Paper Presentation will be 10 minutes in length with a 5 minute Q & A

	Room I	Room 2	Room 3
10:40	Physiological Responses of the Rocking in a Rocking Chair to Elderly People with Physical Disabilities Ilkka Väänänen	Customer Satisfaction Improvements through Work Flow Process Analysis and Staffing Redesign Micheal Barner	How do Wheelchairs Really Hold Up? Shirley Fitzgerald
10:55	Head-Righting with Lateral Tilt and Seating, Are there Pressure Management Consequences? Michael Banks, Eva Ma	Seating and Mobility for Children with Special Needs in Israel Naomi Gefen	Performance of Electronics that Improve Power Wheel- chair Tracking for Proportional and Switch Users Anjali Weber, James Fuller
11:10	SCAD Assistive Mobility System Martin C. Langner	The Hub and Spoke Approach to the Provision of Seating and Mobility Services in Ireland Simon Hall	Upper Body Exercise Merged with Videogames: Applications in Spinal Cord Injury and Neurological Rehabilitation Ron Boninger, Jim Davis
11:25	Orthotic Seating: A Case Study for Optimal Outcome in Spinal Cord Injury Kendra Betz	Developing a Sustainable Medel for the Management Coating Crices in South Africa Elsi Scheffler, Shona McDonald	The Transitional Ortho-Therapeutic Walker; A new type of Mobility Device Richard Escobar
11:40	Review of the Evidence on Pressure Sores and Elderly Wheelchair Users	Is the AT you issue Collecting Dust in the Garage? Shirley Fitzgerald, Patrice Kennedy	How to Design for an Accessible Universe Linda van Roosmalen, Hisaichi Ohnabe

12:00 Lunch (provided) & **Posters**

Poster Presentations

Ana Allegretti

Poster Presenters are available for questions during the poster session on Friday at 12:00 - 13:30. Posters are available for viewing on all three days of the

The Influence of Adjustable Care Goods on Nursing Care and the Degree

of Independence of Elderly People

Yoshinori Saito

Positioning for Comfort: When Seating Becomes Too Painful

Mikel J Wheeler

A Long Time Interface Pressure Measurement on a Wheelchair and the

Pressure Ulcer Risk in Nursing Home Wheelchair Users

Hideyuki Hirose, Makoto Kobayashi

Tamara L Vos, Jeff Lamb

Seating and Positioning Considerations After Hemipelvictomy Surgery

Profound Effects a System's Continuum of Carecan have as seen by an Out Patient Seating and Mobility Clinic: Patient Functional Outcomes Patricia E Tully

A Cost Effective Modular Seating System for Severely Disabled Children in South Africa

Shona McDonald, Elsje Scheffler

Wheelchair Seating Intervention: A Study to Compare Telehealth and In-

Person Service **Ingrid Barlow**

Pressure Hydration System for Wheelchair Racing

Anna Vouladakis

Mobile Crawler and Dynamic Seating for a Ventilator Dependent Child

Jennifer Sawrenko

13:30 Instructional Sessions – Group C (13:30-14:30)

Pressure Ulcer Management for the 21st Century Seating and Mobility Specialist CI

Manufacturer Patrick Meeker

Intermediate

Every seating and mobility professional should be well-versed in the latest woundcare strategies. Because all wheelchair users are susceptible to seating-acquired pressure ulcers, clinicians should understand the latest guidelines for maximizing healthy tissue. Are you relying on woundcare ritual, or are you up on the latest research for successful wound management? This program will refresh, renew and revitalize your woundcare knowledge so that you can help keep your clients from becoming "a statistic"!

C2 Assessment and Provision of Wheeled Mobility & Seating Using Best Practice, Evidence Based Practice and Understanding Coverage Policy Mark R. Schmeler Chris Chovan Intermediate

There is a shift towards the application of evidence in the justification for wheeled mobility and seating interventions. Best practices are also becoming more defined in this field with outcome measures emerging. There has also been a significant change in coverage policis for these interventions in the United States. This session will discuss how evidence and best practice can be applied within these coverage policies for optimal outcomes. The session will also review the use of a newly developed outcome measurement tool that can be used to support best practices.

C3 It's Time to Stand on Your Feet and Move!

Christine Wright-Ott Richard Escobar

Beginner

Explore the world of supported walkers and alternative mobility devices. Learn why a client should consider dynamic standing over static standing. Understand strategies for maximizing a client's performance and which mobility devices work better than others. Case studies will be included through slides and videos.

C4 The Seating Assessment - Establishing Priorities in Long Term Care

Sheila Buck Beginner

This program is intended for individuals involved in recommending seating and positioning equipment to clients in long term care settings. The session will review client needs, related diagnosis, environmental and lifestyle barriers, along with ways to prioritize these needs in order to make optimal product choices. Attendees will gain insight into seating product design criteria and how to best match product features and benefits to the elderly client's needs and desires

C5 Mouse Emulation (for computer access) with Head Array Drivers; for both children (with high tone or weakness) and adults (with ALS)

Karen M. Kangas

Intermediate/Advanced

We will share the physical configurations, how to manage set ups and how to use mouse emulation on powered chairs with 3 switch head arrays. These will include both Invacare and Penny + Giles electronics. Providing ease of mouse access can dramatically alter and increase the use of the computer for students and adults alike.

Understanding and Caring for the Anterior and Posterior Pelvic Tilt **C6**

Manufacturer **Thomas Hetzel**

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14:30 Five minutes allocated for Room Change

14:35 Instructional Sessions – Group D (14:35-15:35)

DΙ Lower Leg Edema for Wheelchair Users: Assessment and Intervention

Michael Stacey Karen Lagden Beginner

Lower leg edema is a common problem for individuals who use a wheelchair full time, since they have reduced or absent calf muscle function and therefore a reduced calf muscle pump for venous return of blood from the leg. This workshop will present assessment and treatment options and case studies of this problem.

D2 Simulation and Molding: Understanding the Differences and Honing the Skills

Cathy Bazata C. Kerry Jones

Advanced

This session will help practitioners develop and fine tune their skills in the methods of seating simulation and body molding. A combination of lecture, demonstration and hands-on teaching will be combined to help differentiate the processes and improve methods. This session will include an exploration of the differences between simulation and molding, as well as a variety of techniques, tips, and applications

D3 Practical Mobility Solutions for Clients with Multiple Sclerosis

Brenda Canning Garret Sanchez

This presentation will focus on the clinical information involved with choosing a mobility base for clients with Multiple Sclerosis. Various physical, cognitive/perceptual, and psychological issues can complicate the decision making process for this population. Different types of manual and power wheelchair bases as well as their advantages and disadvantages as they relate to persons with MS will be presented.

D4 The New Power and Seating Codes - What Do They All Mean?

Manufacturer Elizabeth Cole Beginner

We have gone from a handful of very non-specific codes for wheelchair seating and for power wheelchairs to multiple codes with very specific definitions and criteria. What do they a mean and what are the product and client criteria for code assignment and for clinical justification? This course will attempt to answer these destrons by identifying each code according to definition, seating characteristics and appropriate client based qualifying medical criteria. An overview of testing criteria will delineate how a specific product is assigned to a code.

D5 Mobility Options where Wheelchairs are Out of Reach

by Wee Beginner/Intermediate/Advanced

The experiences of six spinal cord injury Nepali patients who would usually benefit from wheelchairs are presented. Challenges and solutions for the individuals discussed, and a discussion regarding our global responsibilities will ensue. Suggestions from the discussion will be summarized, including next steps to explore.

D6 Understanding and Caring for the Anterior and Posterior Pelvic Tilt

Manufacturer Thomas Hetzel Beginner

Many postures described as "fixed" are actually very flexible. Unfortunately they are flexible in the direction of further deterioration, not towards improvement. This presentation will show strategies to control tendencies towards posterior and anterior pelvic tilts and ensure long term improvement in postural alignment, balance, and control.

15:35 Refreshment Break & Exhibits

16:20 The 6th Chris Bar Research Forum: This house believes that client choice takes precedence over professional judgment

17:20 Adjourn

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

Margaret Francis

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

Elaine Liau

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

Maureen O'Donnell

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

Lori Roxborough

MSc., OT/PT, Associate Director of Therapy Department, Sunny Hill Health Centre for Children, Vancouver, BC

Bonita Sawatzky

Assistant Professor, Department of Orthopaedics, BC Children's Hospital; Faculty of Medicine, University of British Columbia, Vancouver, BC

8:30 Registration

9:00 Opening Remarks Maureen O'Donnell

9:10 Panel Session: Putting the "Dynamic" Back In Seating

Susan Johnson-Taylor, David Cooper, Allen Seikman

10:10 **Plenary** The Search for Beauty: The Role of Aesthetics in Seating and Mobility

C.Kerry Jones

10:35 Refreshment Break

10:50 Instructional Sessions – Group E (10:50 - 11:50)

El Managing Pressure: Three Choices Now!

Linda Norton Jillian Swaine Intermediate

Until recently, the goal for preventing or managing a sitting acquired pressure ulcer (SAPU) has been met with cushions that distribute the pressure over the loaded contact area. Now there are three frameworks for managing pressure: (I) pressure/load redistribution; (2) alternating air pressure; and (3) pressure/load offloading or force isolation. Case studies will be presented along with a clinical pathway.

E2 Keep Pushing!

Brenlee Mogul-Rotman Kathryn Fisher Intermediate

Before deciding that power is the way to go, a variety of issues should be evaluated. We must ensure that wheelchair set up and positioning allow the client pain free, ergonomic, comfortable and functional mobility. Our goal is to allow our clients to complete their daily tasks with low strain, low energy use and ease of mobility. The manual wheelchair very often is the optimal device to achieve this goal. Not all of our clients are appropriate for power mobility for numerous reasons. Sometimes we have to let the client "keep pushing!"

E3 Emerging Measures of Participation in Assistive Technology

Frances Harris Stephen Sprigle Intermediate

This session introduces two complementary methods of activity and participation measurement: 1) growing number of self-report instruments, and 2) the recent technical advances (e.g., GPS) that make it possible to quantify subject activity. Key criteria in selecting measurement tools and the challenges posed by data interpretation and analysis will be examined.

E4 Assessing a Seating System for the Long Haul in Special Populations: Cerebral Palsy and Spina Bifida

Manufacturer Dan Eilerman Intermediate

As the life expectancy of people with cerebral palsy and spina bifida is ever increasing, new problem areas of aging while using a wheelchair are emerging. This presentation discusses the issues in prescribing a seating system to ensure it addresses the long term needs of the seated individual.

E5 Application of Advanced Electronics for Powered Mobility: New Technology, Assessment and Prescription Strategies

Manufacturer Amy Bjornson Intermediate

This instructional session will cover new technologies for power wheelchair driving controls; introducing new concepts and products. Determination of client need, assessment strategies for proper selection, and appropriate configuration of devices will be addressed. This course will facilitate critical thinking: assisting therapists and suppliers in confident assessment for power wheelchair drive controls including joysticks, alternate controls and electronics.

RELATED ACTIVITIES

14:00 **RESNA ATP and ATS exams** (4hrs, exams are simultaneous), **followed by RET Exams** 18:00-19:30 (1.5 hrs)

14:00 **ISO Group Meeting** (from Saturday at 14:00 - Monday Noon)



Ana Allegretti, MS, OT, Ph.D. Candidate, Department of Occupational Therapy, University of Pittsburgh, Pittsburgh, PA

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

Dan Bader, Ph.D., Associate Director of IRC in Biomedical Materials, Professor of Medical Engineering, Queen Mary University of London, London, United Kingdom

Michael Banks, M.A., CRTS, ATS, Director, Walla Walla Homemedical, Inc., Walla Walla, WA

Ingrid Barlow, M.Sc., OT(c), Wheelchair Seating Service, Glenrose Rehabilitation Hospital, Edmonton, AB

Michael K. Barner, CRTS, Manager, Wheelchair Seating Service, University of Michigan Health System, Ann Arbor, MI

Cathy Bazata, OTR-L, ATP, "Within and Without", Edwardsburg, MI

Kendra L. Betz, MSPT, Physical Therapist, VA Puget Sound Health Care System; Clinical Faculty, University of Washington, Seattle, WA

Amy Bjornson, PT, ATP, Clinical Education Specialist, Sunrise Medical, Denver, CO

Ron Boninger, BSME, MBA, President, Three Rivers Holdings LLC, Mesa, AZ

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

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

Evan W. Call, Lab Director, EC Service Inc, Salt Lake City, UT

Brenda Canning. OTR/L, Occupational Therapist, Wheelchair and Seating Center, Rehabilitation Institute of Chicago, Chicago, IL

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

Chris Chovan, MOT, ATP, Director of Clinical Services, Rehab Mobility Specialists, Inc., Belle Vernon, PA

Elizabeth Cole, MSPT, Director of Education, Sunrise Medical, Longmont, CO

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

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