

**FIRST TIME
IN VICTORIA**

CLINICAL EDUCATION PROGRAM



INDEPENDENT REHABILITATION SUPPLIERS ASSOCIATION

DAILY LIVING EXPO

2010

WEDNESDAY 25TH AUGUST - 10AM - 5PM

THURSDAY 26TH AUGUST - 10AM - 4PM

FREE TO ATTEND

Australia's foremost Exhibition for Assistive Technology and Aged Care Equipment

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WEDNESDAY 25TH AUGUST

ROOM 1	ROOM 2	ROOM 3
9:30am - 10:45am Drawing board to delivery: Improving wheelchair seat cushions through science & design. Pat Meeker (ROHO USA)	9:30am - 10:45am The medical benefits of tilt. Jane Fontein (PDG Canada)	9:30am - 10:45am Know, Go, Grow - Transitioning children from dependent mobility bases to manual wheelchairs; considerations, options & solutions. Kay Koch (Mobility Designs USA)
11:30am - 12:30pm Walking to Learn vs Learning to Walk David Moore (Prime Engineering USA)	11:30am - 12:30pm Balancing posture & pressure care needs in wheelchair cushions. Kim Chaney (Invacare UK)	11:30am - 12:15pm Innovation in wheelchair electronics to help encourage equipment adoption Bruce Campbell (Dynamic Controls NZ)
2:00pm - 3:00pm Impact of long term wheelchair use in the Spinal Cord Injury population: Effects on posture, skin integrity & function. Amy Bjornson (Sunrise Medical Australia)	2:00pm - 3:00pm Play with Purpose: Early intervention for posture. Jacinta Maurin (Otto Bock Australia)	2:00pm - 2:45pm Safety, independence & assistance Maria Amnel (Etac Sweden)
3:30pm - 4:30pm Standing in a wheelchair - why & how Thomas Raeber (Levo Ag Switzerland)	3:30pm - 4:30pm Standard and Alternate Drive Control Selection for Powerchairs Ron Smelter (Pride Mobility Products Australia)	3:00pm - 3:30pm Equipping Inclusion - What assistive technology solutions make a difference to life for people living with disability? Natasha Layton (Deakin University Australia)
		3:45pm - 4:15pm Clinical Reasoning: Who's Responsible and how do you achieve best client outcomes? Yvonne Duncan (ILC Vic Australia)

THURSDAY 26TH AUGUST

ROOM 1	ROOM 2	ROOM 3
9:30am - 10:30am Walking to Learn vs Learning to Walk David Moore (Prime Engineering USA)	9:30am - 10:30am Balancing posture & pressure care needs in wheelchair cushions. Kim Chaney (Invacare UK)	10:00am - 11:00am Standing in a wheelchair - why & how Thomas Raeber (Levo Ag Switzerland)
11:00am - 12:00pm Successful Seating and Mobility Equipment Prescription for your Geriatric Patient Amy Bjornson (Sunrise Medical Australia)	11:00am - 12:00pm Standing - the Ups & Downs Jane Crowle (Dejay Medical Australia)	11:00am - 11:30am Evidence Based Practice: Getting off our butts. Penny Knudson (Otto Bock Australia)
1:15pm - 2:30pm Drawing board to delivery: Improving wheelchair seat cushions through science & design Pat Meeker (ROHO USA)	1:15pm - 2:00pm Mobility for both caregiver and assisted person Maria Amnel (Etac Sweden)	11:45am - 12:15pm Hearing loss & tinnitus: Service & support pathways. Rebekah Rogers (VicDeaf Australia)
3:00pm - 4:00pm Saving cost of total client care Angela Rankin (Seating Dynamics Australia)	2:45pm - 4:00pm The medical benefits of tilt Jane Fontein (PDG Canada)	1:15pm - 2:30pm Know, Go, Grow - Transitioning children from dependent mobility bases to manual wheelchairs; considerations, options & solutions. Kay Koch (Mobility Designs USA)
		3:00pm - 4:00pm Getting the Right Fit: The when, how & why of moulded seating. Gil Logan & Penny Knudson (Otto Bock Australia)

Drawing Board to Delivery: Improving Wheelchair Seat Cushions Through Science, Design and Testing - Patrick Meeker, Senior Director Global Sales - The Roho Group, USA

The wheelchair seat cushion is anything but simple. As technology has improved over the years, most of the advancements can be attributed to an improved understanding of body mechanics, tissue physiology and materials improvements. However, we have a hard time evaluating these improvements critically and objectively. This session will explore recent advances in testing wheelchair cushions, synergistic use of hybrid materials in improving design and patient outcomes.

The Medical Benefits of Tilt - Jane Fontein, Clinical Specialist - Product Design Group, Canada

What are the medical benefits of tilt? Pressure relief and positioning are just two of the possible medical benefits from tilt. Are there studies supporting these benefits? In order to discuss medical benefits of tilt a basic understanding of manual mobility and the seating assessment process and principles will be reviewed. The workshop will discuss many possible medical benefits of tilt with a focus on the elderly and adult population. Drawing from the audiences' experience a discussion will evolve about the pros and cons for a manual tilt wheelchair. Case studies will also be used.

Know, Go, Grow - Transitioning Children from Dependent Mobility Bases to Manual Wheelchairs; Considerations, Options and Solutions - Kay Koch, Director of Marketing, Training & Education - Mobility Designs, USA

The benefits of using ultra lightweight wheelchairs for manual propulsion in adults has been shown to increase independence, community access, decrease fatigue and decrease incidence of upper extremity dysfunction. However, the research is less well-defined in children but no less important, the benefits of providing children the opportunity to access and explore their environment independently can be greatly enhanced by transitioning them earlier from dependent mobility bases to ultralight manual wheelchairs.

Walking to learn vs Learning to walk - David Moore, Sales Manager - Prime Engineering, USA

A review of evidence and case histories that show how kids who have independent upright access to their environment can learn more efficiently and develop at a faster rate than kids who don't. Followed by a review of available equipment that will help achieve these goals.

Standard and Alternate Drive Control Selection for Powerchairs

Ron Smelter, Quantum Rehab Manager - Pride Mobility Products Australia

This session will help you understand the myriad of options that are available for your clients on today's hi-tech powerchairs. We will also look at the characteristics of different power bases (ie front/rear/mid) and the effects of the latest controller options on these power bases.

Standing the Ups and the Downs - Jane Crowle, Physiotherapist, Clinical Services Manager - Dejay Medical, Australia

Review the evidence behind standing children with cerebral palsy. This assists therapists in applying & justifying finding requests. Also reviews the various types of standards on the marked & justification as to why a therapist would choose prone vs upright vs supine or standing wheelchairs.

Impact of Long Term Wheelchair Use in the Spinal Cord Injury Population - Amy Bjornson, Clinical Education and Business Unit Manager - Mobility - Sunrise Medical Australia

Spinal cord injured clients are living near normal life expectancies due to advances in health care and SCI management. How does long-term wheelchair use impact this population's posture, skin integrity and, more importantly, daily functioning? This instructional course will utilise several case studies to analyse the changes that occur with long-term wheelchair use.

Play with Purpose: Early Intervention for Posture

Jacinta Maurin, Business Development Manager - Otto Bock, Australia

For babies and infants playtime is discovery time. It's also the time when mobility and postural skills are developed. For children with special needs, play opportunities can be limited. This can have a negative impact on future posture, function and mobility development. Early intervention provides an opportunity to develop children's skills and improve their long term outcomes. This presentation will look at the seating, positioning and play needs of children with special needs from birth to 4 years, including a literature review of the current research. Case studies will be used to demonstrate solutions to common postural and functional issues.

'Equipping Inclusion' What assistive technology solutions make a difference to life for people living with disability?

Natasha Layton, Associate Researcher, Deakin University, Australia

How do people solve their daily living problems? What unmet need exists in Victoria for equipment? Is the environment a barrier or an enabler to people with disabilities? Data from the Equipment Study (Deakin University and the Aids and Equipment Action Alliance) will be presented. 100 Victorians participated and described their current and desired assistive technology solutions, including equipment, personal care, and adapted environments. An economic analysis was also conducted into the cost effectiveness of these enablers.

Standing in a Wheelchair - Why and How! Thomas Raeber, CEO - Levo Ag, Switzerland

The decision for a Stand-up wheelchair is based on obvious medical reasons like: improved circulation, reduced spasms, reduced risk for decubitus, deeper respiration, improved digestion, reduced contractures, reduced risks for osteoporosis and improved bone growth. Functional benefits like increased independence, better integration, improved social status and improved self esteem are more and more important for users and their individual care team. The stand-up wheelchair may improve the users daily living and quality of life and also of the attending persons. It is important to decide for the right product depend on the users capability and wishes to do as well as taking the correct measures of the user's body and make the correct assessment with final tuning and product training. The "Standing Workshop" shall... a) help to understand all these important issues and b) give the experience doing product evaluation and assessment correctly

Balancing Posture and Pressure Care Needs in Wheelchair Cushions Kim Chaney, Clinical Specialist - Invacare UK

The presentation will explore challenges in wheelchair seating by:

- Describing key anatomy and biomechanics of seating, highlighting the principles of good seated posture
- Examining the aetiology of pressure ulcer development including the influence of both direct pressure and shear forces

The presentation will conclude by explaining how posture and pressure care needs can be carefully balanced through good wheelchair cushion design.

Mobility for both caregiver and assisted person - Maria Amnell, Etac Sweden

Ergonomics is a combination of working positions, the design of the environment and available equipment. In an assisted transfer situation (when one or two caregivers assist a disabled person) we also have to consider the assisted person's abilities and bodge movements. The goal must be to assist without injuring oneself or the assisted person. To understand the natural body movement principal and mechanics is essential. To use functional transfer and mobility devices facilitates for both caregiver and assisted person. In my presentation, I will give examples of good, bad, and possible solutions.

Clinical Reasoning Process: Who's responsible & how do you achieve best client outcomes - Yvonne Duncan - ILC, co-ordinator, Senior Clinician Physiotherapist

This presentation will cover when do therapists need to be involved, which therapists, liability and how keep up to date. There will be opportunities to consider service provision issues, the benefits of soft technology and how to support and educate therapists. A model of clinical reasoning will be discussed.

Safety, Independence and Assistance - Maria Amnell, Educational Manager - Etac, Sweden

'Everybody wants to live a long life, but no one wants to grow old.' But old age doesn't have to change independence to dependence. There are several studies showing that the conditions for elderly are much better today. One important factor is assistive devices. For the society assistive devices are a profitable involvement, not costs. Unfortunately the society seems to prefer to pay for a fracture than for a shower chair. In my presentation I will talk about preventive actions and the benefits of assisted devices.

Successful Seating and Mobility Equipment Prescription for your Geriatric Patient - Amy Bjornson, Clinical Education and Business Unit Manager - Mobility - Sunrise Medical Australia

Geriatrics is a growing population. Unique challenges exist and must be considered when prescribing equipment for this population. This instructional course will discuss the general principles involved in seating and mobility evaluation - via case studies of clients with common disabilities. This course will also address how to overcome the unique challenges such as fixed postures, pain, poor sitting tolerance, aged caregivers, and limited funding.

Evidence Based Practice: Getting off our butts! Penny Knudson, Business Development Director Asia Pacific - Otto Bock, Australia

The pressure is on clinicians to prove that rehabilitation equipment is effective. But the current body of research is limited, and research activities tend to be left to manufacturers and universities. To rapidly expand evidence based practice in rehabilitation equipment, it will be necessary to move research out of the classroom and laboratories and into end users' homes, work and therapy services. This requires the support of practicing clinicians.... But how do we even start to incorporate research activities into our already overloaded clinical responsibilities? This presentation will outline 2 research studies conducted by clinicians into the functional outcomes of rehabilitation equipment.

Hearing Loss & Tinnitus: Services and Support Pathways

Rebekah Rogers - Speech Pathologist, Rehabilitation Team

As Australia's population ages, and therefore the incidence of hearing loss continues to rise, the emphasis on appropriately identifying and treating hearing loss is more important than ever before. Optimal intervention is the key to maintaining emotional, mental and social well-being. This presentation will provide an overview of services available for hard hearing adults through Vicdeaf and hearservices, highlighting how they operate in conjunction with other hearing services providers.

Innovation in Wheelchair Electronics to Help Encourage Equipment Adoption - Bruce Campbell - Dynamic Controls, New Zealand

Equipment abandonment is a lose-lose - the provider has paid for the device, and the recipient's real needs remain unmet. By looking beyond the need for independence, wheelchair electronics company Dynamic Controls is looking to provide innovative solutions that encourage equipment adoption. Hear how it and others in the industry are innovating today, as well as future areas of innovation.

Saving costs in total client care by justifying customised and adjustable wheelchair and seating - Angela Rankin, Clinical Consultant - Seating Dynamics, Australia

Cost effectiveness in the provision of rehabilitation and mobility equipment is not only achieved by providing quality equipment that will last the distance without requirement for repair or replacement. The fit and adjustability of wheelchairs and seating components will directly impact the clients risk of developing pressure ulcers, postural deformity, pain and discomfort, reduced functional capacity, shoulder injury and reduced environmental access. This will have a direct impact on costs required for therapy and rehabilitation, nursing and wound care, long term hospital admission, surgery, carer hours, carer injury, and environmental modification.

Getting the Right Fit: The When, How and Why of Moulded Seating

Penny Knudson, Business Development Manager - Otto Bock, Australia

Gil Logan, Business Development Manager - Otto Bock, Australia

Moulded seating is often used to manage posture for people who have severe fixed postural deformities. This presentation will include discussion on the appropriate use of moulded seating, moulding techniques and using bean bag moulding. An overview will also be provided of how the Otto Bock Shape System can be used to provide an effective method of fabricating moulded seating. Modular alternatives to moulded seating will also be presented, including the Leckey Mygo and KIT seating systems. This can provide a more flexible solution for clients who have fixed deformities, but are unsuitable for moulded seating.

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