



NRRTS Registrants - \$0  
Friends of NRRTS - \$22.50 per course  
All Others - \$45



January 6, 2022 at 7 pm ET

The Flow of Innovation in Adaptive Design

Keynote Speaker: Christian Bagg

All Levels, Best Business Practice

From concept, research, customer engagement, to development and repeat. The story of how to build an adaptive product a customer deserves, can be proud of, and a company they can grow with.

Christian Bagg is a Calgary born inventor and mechanical designer. Injured in 1996, while snowboarding, Christian broke his back and was paralyzed from the waist down. Using his background as a machinist, he invented his way around the challenges he faced. With a love for the outdoors and a passion for problem solving, he has spent the last 20 years designing and building adaptive equipment. What started as a way to solve his own problems grew into an outlet to help others experience the very outdoors that he loves so much. Sharing his story has helped Christian establish partnerships with government agencies, private corporations, and post-secondary education institutions, all with the belief that “everyone belongs outside.”

Learning Outcomes:

Participants will be able to describe the information gathering process for innovative adaptive design.

Participants will be able to evaluate and integrate the design needs of a broad range of users.

Participants will be able to describe how to incorporate the user experience to inspire the next innovation project.



January 11, 2022 at 7 pm ET

30 Years!! The Impact of NRRTS on Complex Rehab Technology

Speaker: Weesie Walker, ATP/SMS

Ethics, Best Business Practice, Beginner Level, SMS Prep Content

It is hard to believe that NRRTS celebrates its 30th anniversary in 2022. From the vision of a few concerned stakeholders, an organization was created to provide recognition for professional suppliers. From this humble beginning, NRRTS has become a resource for education through webinars and CEU articles published in DIRECTIONS. It is important to understand what drives the need for a standard of practice and protection of the consumers who rely on services from CRT Suppliers. The impact NRRTS has had on service delivery, legislation and best practice is key to understanding the role of the CRT Supplier.

Weesie Walker is the Executive Director of NRRTS. She worked as a CRT Supplier for over 25 years. She was an early NRRTS Registrant and served on the Board of Directors for several years. She served two terms on the RESNA PSB. She has presented at ISS, Canadian Seating and Mobility Conference, MedTrade, NSM Symposium and AOTA conference.

Learning Outcomes:

By understanding the history of NRRTS, participants will be able to explain the need for a standard of practice.

Participants will be able to explain three key responsibilities of the CRT Supplier.

Participants will be able to describe the importance of advocacy for assistive technology.



January 13, 2022 at 3 pm ET

Putting the Horse back in front of the Cart

Speakers: Jean L. Minkel, and Michelle L. Lange, OTR, ABDA,  
ATP/SMS

Ethics, Intermediate Level, ATP/SMS Prep Content

Like many value statements, all of us support 'Patient-Centered Care'; but are we able to provide the "care" and solutions that meet your patient's REAL needs? The CRT industry has grown, consolidated, and developed lots of new technologies over the past 50 years; but are we truly offering patients better solutions which improve the person's level of participation? This webinar will explore uncomfortable trends in our practice which result from antiquated public policy and the growing gap between the professionals of CRT and our CRT Consumers. This webinar will focus on calculated steps to “get the horse back in front of the cart”.

Jean is a physical therapist and master clinician well recognized for her work in Assistive Technology. She is currently the Senior Vice President of Rehab and Mobility Services at ICS - Independence Care System, where she leads On A Roll, an OT/PT private practice specializing in Seating and Wheeled Mobility services. She is a published author, including many peer reviewed journal articles and most recently, she co-edited, with Michelle Lange, the newly published textbook, Seating and Wheeled Mobility – a Clinical Resource Guide. The A.T. community has recognized Jean for her contributions by awarding to her, the RESNA Fellow award in 1995 and the Sam McFarland Mentor Award in 2012.

Michelle is an occupational therapist with over 30 years of experience and has been in private practice, Access to Independence, for over 15 years. She is a well-respected lecturer, both nationally and internationally and has authored numerous texts, chapters, and articles. She is the co-editor of Seating and Wheeled Mobility: a clinical resource guide, editor of Fundamentals in Assistive Technology, 4th ed., NRRTS Continuing Education Curriculum Coordinator and Clinical Editor of NRRTS Directions magazine. Michelle is a RESNA Fellow and member of the Clinician Task Force. Michelle is a certified ATP, certified SMS and is a Senior Disability Analyst of the ABDA.

Learning Outcomes:

Participants will be able to identify the disconnect between the rights written into the ADA, protected by Olmstead, and current Medicare Policy.

Participants will be able to identify at least 2 changes in their service delivery practice that increases the involvement of the patient during product selection and access to funding process steps.

Participants will be able describe 2 common ‘disconnects’ between the clinic team members needs and the patient’s needs.



February 23, 2022 at 3 pm ET

Center of Gravity: What does it really mean?

Speaker: Christie Hamstra, PT, DPT, ATP

Beginner Level, Seating and Positioning, ATP/SMS Prep Content

Sponsored by Motion Composites

What does center of gravity really refer to and how does it impact the function of a manual wheelchair? We will review evidence related to COG selection, adjustment, and optimal manual wheelchair performance, and discuss the clinical significance in optimizing functional performance. We will define COG as it relates to wheelchair configuration and also to the person in the chair, examine the impact of changes in COG and discuss clinical rationale and treatment approaches to maximize function, safety and maintain upper extremity health for manual wheelchair users. Case reports and practical examples will be reviewed.

Christie is a Clinical Education Specialist with Motion Composites and has experience as both a Physical Therapist in seating clinic and ATP as a supplier in seating and mobility and wheelchair prescriptions. Christie received her Master of Science in Physical Therapy from Andrews University, and a transitional Doctor of Physical Therapy from Oakland University, and yearly teaches complex rehab technology to current students. As Christie has worked in many settings, she enjoys sharing her expertise and passion with fellow clinicians. Christie has provided education in multiple areas of the United States and Canada and has presented at The European Seating Symposium.

Learning Outcomes:

Participants will be able to identify the optimal rear wheel position of a manual wheelchair relative to the client's upper extremity static position.

Participants will be able to describe any three manual wheelchair configuration changes that may impact center of gravity.

Participants will be able to describe three education requirements for clients and caregivers related to wheelchair skills and center of gravity.



February 24, 2022 at 7 pm ET

Person First Language: Think Before you Speak

Speakers: Tamara Kittelson, MS, OTR/L, ATP/SMS and Jenny Siegle

All Levels, Ethics, Best Business Practice, ATP/SMS Prep Content

Do you think before you speak? Expand the communication skills you use when interacting with clients/patients and customers. Spend an hour with a wheelchair rider, clinician, and mother, sharing about person first language. Learn how to speak about and to people without labelling them in negative ways. Gain confidence in your everyday interactions with people who are more than their disability!

Tamara is an occupational therapist and RESNA Assistive Technology Professional/Seating and Mobility Specialist. She directed the Montana Postural Care Project, funded by the Montana Council on Developmental Disabilities, and leads Eleonore's Project, promoting postural care and responsible wheelchair provision in low resource settings. Tamara has written and presented on these topics in the United States, Canada, Peru and Colombia. She currently works part-time for Moving Mountains Therapy Center in Missoula and has served individuals with complex neurodisabilities in Montana since 1983. She credits her daughter Eleanore, born with cerebral palsy and profound deafness, as her best teacher.

Jenny Siegle was paralyzed at nine months of age from Transverse Myelitis. She is a producer for Altitude Sports in Denver, Colorado. In addition to her productions that air on Altitude Sports, her work has landed in various publications and digital platforms. Jenny works as a replay operator for the Colorado Rockies as well. She was Ms. Wheelchair Colorado in 2004, enjoys public speaking and is a disability advocate. Jenny graduated with a BA in Journalism and Mass Communications from the University of Northern Colorado in 2004. She currently drives and lives independently in her own home.

Learning Outcomes:

Participants will be able to define key elements of person first language.

Participants will be able to describe how to differentiate between a person and their condition.

Participants will be able to list three examples of person-first language.



March 22, 2022 at 7 pm ET

Getting Creative with Custom Molded Seating

Speaker: Lindsay Veety, [PT](#), [DPT](#), [ATP/SMS](#)

Intermediate Level, Seating and Positioning, ATP/SMS Prep Content

Knowing what type of seating to choose for a client can be a challenge, especially if the client presents with complex body shapes that doesn't fit into linear off the shelf seating. The difficulties that COVID has added with lack of access to clients and product availabilities and lead times, can also affect decisions. This presentation will give a brief introduction to custom molded seating. You will be presented with examples of successfully using innovative custom seating systems with different clients.

Lindsey is a Physical Therapist with 20 years' experience, who specializes in working with individuals with complex conditions and assistive technology. She is a RESNA certified ATP/SMS and has completed her NDT training, and has presented at conferences, and is a seasoned webinar presenter. Lindsay has published articles in the areas of seating and positioning, complex rehabilitation equipment and adaptations/access to the environment.

Learning Outcomes:

Participants will be able to list 3 different types of available custom molded systems.

Participants will be able to list 2 benefits of using custom molded seating with a client.

Participants will be able to describe 2 methods of assessing if custom seating is appropriate at time of delivery.



April 19, 2022 at 7 pm ET

The Seating and Wheeled Mobility Team

Speaker: Lauren Rosen, PT, MPT, MSMS, ATP/SMS

Beginner Level, Seating and Positioning, ATP/SMS Prep Content

This webinar will discuss the roles, responsibilities, and importance of all involved with the equipment provision process in seating and mobility clinic. It will include personal perspectives of a clinician, a supplier, and an end user/parent. Each will discuss their role and discuss ways to solve conflicts and optimize the equipment provided for best outcomes.

Lauren Rosen, PT, MPT, MSMS, ATP/SMS is a Physical Therapist at St. Joseph's Children's Hospital in Tampa, Florida. She is the Program Coordinator for the Motion Analysis Center, a three-dimensional motion analysis lab where she runs a pediatric and adult seating and positioning clinic. She has authored a number of RESNA position papers. She writes articles for NRRTS and she is on the Editorial Board for Mobility Management. She lectures nationally and internationally on wheelchairs and standing. She has been active in DME prescription for over 25 years. She is a past member of the Board of Directors of RESNA. In her free time, she can be found on the nearest meditation cushion.

Learning Outcomes:

Participants will be able to list the roles of each participant in a seating and mobility clinic.

Participants will be able to assure best outcomes by optimizing the roles of each member of the seating team.

Participants will be able to describe how to solve conflicts using the team approach.



April 20, 2022 at 3 pm ET

From the Desk of the Reviewer - Your Chance to See What's Missing in CRT Documentation

Speaker: Cathy Carver, PT

Best Business Practice, Ethics, All Levels, ATP/SMS Prep Content

After a few Seating and Wheeled Mobility Evaluations, it's easy to get in a routine of using canned language to justify the equipment for the insurance to approve. Tips are provided by the supplier. Each item as a code and qualifications for those codes. Does this insurance require a certain diagnosis code to qualify for CRT? You have heard, "you must paint the picture of your patient ..." Have you ever stepped back to read someone else's documentation? Have you read your own? This practical webinar will allow you to read real letters of medical necessity and you will get to see things from the reviewer's perspective and sharpen your documentation skills.

Cathy Carver has been a PT for 25 years with the last 15 in the Wheelchair and Seating Clinic at UAB/Spain Rehabilitation Center. She has been active in the ClinicianTask Force for over 10 years and served as Executive Director from 2018-2020. She has taught CEU courses and done webinars and lectures in academic and clinical settings and presented at the International Seating Symposium. She was awarded the UAB Clinical Excellence Award in 2018 and the ALAPTA Marilyn Gossman Award for Professionalism. She is a member of the APTA, RESNA, CTF and FON.

Learning Outcomes:

Participants will be able to list 3 common mistakes therapists make when doing CRT documentation.

Participants will read example documentation and be able to identify at least 2 mistakes made and provide corrections.

Participants will read example documentation and be able to identify at least 2 mistakes made and provide corrections.

Participants will be able to describe at least one mistake common in in their personal practice and how it can be improved.





April 21, 2022 at 7 pm ET

The Time is Now: Introducing Power Mobility in the Pediatric Population

Speaker: Jennith Bernstein, PT, DPT, ATP/SMS

Sponsored by Permobil

Intermediate, Seating and Positioning/Medical Terminology, ATP/SMS Prep Content

During the CRT decision-making process, there may be challenges from a multitude of directions in determining when and how to initiate power mobility for our youngest clients. Regardless of these potential challenges, historical and current literature both show us that there is no time like the present. This course will discuss what tools are available to guide our decisions, defining terminology surrounding readiness and independence, as well as suggestions for evaluation and recommendation of power mobility interventions in the pediatric population.

Jennith Bernstein, PT, DPT, ATP/SMS: Jennith is a Physical Therapist based in Atlanta, Georgia. She worked for 10 years at The Shepherd Center, focusing her time in the Seating & Wheeled Mobility clinic for 7 years. Jennith completed her Masters in Physical Therapy at North Georgia College & State University and transitional DPT at University of Texas Medical Branch. Jennith has presented at national and international conferences such as RESNA, ISS, LASS, Expo Ortopedica, and the APTA NEXT conference. Jennith joined Permobil as a Clinical Education Manager in 2016.

Learning Outcomes:

Participants will be able to describe two ways to effectively use standardized assessments when completing an evaluation for a pediatric power wheelchair.

Participants will be able to identify two age-appropriate goals for power mobility utilization and training.

Participants will be able to list three potential benefits of introducing power mobility as early as possible.



May 17, 2022 at 7 pm ET

The Seated Posture: How can it impact the quality of life of the elderly population?

Speaker: Ana Endsjo, MOTR/L, CLT

Sponsored by Permobil

Beginner Level, Seating and Positioning, ATP/SMS Prep Content

In this course, we will look at typical abnormal sitting postures that place the elderly client at high risk for multiple medical complications. These medical complications not only increase the risk of compromising major bodily systems such as the respiratory and digestive systems, increase the risk of the development of pressure injuries and impede the healing of existing wounds but contribute to an overall decreased quality of life. You will learn to quickly identify these postures and link some key recommendations from the NPIAP's 2019 Clinical Practice Guideline to decrease the risk of the dreaded wound among this population.

Ana has worked as an occupational therapist since 2001, in a variety of treatment settings including: acute care, sub-acute care, outpatient, acute rehab, long term care, and as a lymphedema certified therapist. She has worked mostly with the geriatric population, dedicated to the betterment of the treatment of the elderly in long term care centers. Ana has taught courses related to seating and positioning for the geriatric population for over 6 years and has presented at ISS, for the NPIAP, NRRTS, WOW conference and various other conferences to promote better awareness of the critical role the seated posture has in promoting optimal quality of life for the elderly.

Learning Outcomes:

Participants will be able to identify 2 abnormal postures that compromise healing of an existing pressure injury.

Participants will be able to name 2 medical complications that may result from poor seated posture that could decrease the quality of life of the elderly client.

Participants will be able to name two reasons poor seated posture may impair wound healing.



May 19, 2022 at 7 pm ET

Alternative Funding Sources for Wheelchairs and Seating Systems across Canada

Speaker: Rosalie Wang, PhD, OT Reg.(Ont.)

Beginner Level, Funding and Public Policy

This course provides an overview of funding sources for assistive technology across Canada, with an emphasis on wheelchairs and seating systems. Canada's system for accessing funding is complex and uncoordinated. Funding may come from multiple sectors, including government, charity, and private insurance programs. We launched a website called AccessATCanada as a resource to assist with system navigation and to support clients, caregivers, and others to learn about funding programs that may be available. Suppliers and clinicians are in key positions to support clients to access reliable information so they can make more informed choices and better advocate for their needs.

Rosalie Wang, PhD, OT Reg.(Ont.) is an Assistant Professor, Department of Occupational Science and Occupational Therapy, University of Toronto, and Affiliate Scientist, KITE-Toronto Rehabilitation Institute. As an Occupational Therapist she worked in Canada and the UK in long-term residential care, acute care, subacute stroke rehabilitation, homecare, and a specialist mobility seating and positioning clinic. Her current research focuses on developing and implementing technology to enable daily activity participation and social inclusion of seniors. As an AGE-WELL investigator she co-led a national project on enhancing equitable access to assistive technologies in Canada.

#### Learning Outcomes:

Participants will be able to identify different potential sources of funding for assistive technologies from multiple sectors in Canada, including government (federal, provincial/territorial/municipal), charity (international, national, regional, local), and private insurance programs.

Participants will be able to describe the system navigation website AccessATCanada and how such a resource might support suppliers, clinicians, and consumers to identify funding sources.

Participants will be able to discuss opportunities and strategies for suppliers and clinicians to support clients and caregivers to access reliable information related to wheelchairs and seating systems so they can make more informed choices and better advocate for their needs.



June 8, 2022

Supporting Respiratory Equipment on Mobility Bases

Speaker: Michelle Lange, OTR/L, ABDA, ATP/SMS

Intermediate Level, Seating and Positioning, SMS Prep Content

Sponsored by Stealth Products

Many people who require respiratory equipment, such as oxygen and ventilators, use a wheeled mobility base. This course will address how to support respiratory equipment on an adaptive stroller, manual wheelchair, or power wheelchair safely and as a part of a team.

Michelle is an occupational therapist with over 30 years of experience and has been in private practice, Access to Independence, for over 15 years. She is a well-respected lecturer, both nationally and internationally and has authored numerous texts, chapters, and articles. She is the co-editor of *Seating and Wheeled Mobility: a clinical resource guide*, editor of *Fundamentals in Assistive Technology*, 4th ed., NRRTS Continuing Education Curriculum Coordinator and Clinical Editor of NRRTS Directions magazine. Michelle is a RESNA Fellow and member of the Clinician Task Force. Michelle is a certified ATP, certified SMS and is a Senior Disability Analyst of the ABDA.

Learning Outcomes:

Participants will be able to list 3 pieces of respiratory equipment which may need to be attached to a wheeled mobility base.

Participants will be able to list strategies to increase stability of the mobility base.

Participants will be able to list strategies to prevent loss of connection to the respiratory equipment.



June 15, 2022 at 3 pm ET

Practicalities for Bridging the Gap: Prioritizing the Individual in a Dynamic World  
Speaker: Alexandra Chesney, OTR, ATP/SMS

Sponsored by Quantum Rehab

Beginner Level, Seating and Positioning, ATP Prep Content

This course will focus on some of the gaps that clinicians, providers, and consumers face in relation to the identification of customized mobility devices through delivery and utilization. The first steps of information gathering are knowing the options, process, and resources to assist in a client centered approach. Throughout the dynamic state of our world recently there have been many populations that may have been overlooked when it comes to customized evaluations, many times including those living within institutions or within the CRT population. We will review resources and options to help bridge the gap to complete the continuum of care.

Alex Chesney works as an occupational therapist, assistive technology professional/seating and mobility specialist for Quantum Rehab providing educational services. Alex earned her Masters of Occupational Therapy from Texas Woman's University in 2013. Alex practiced in a top neurological inpatient rehabilitation center in Houston, TX treating those with traumatic spinal cord injuries and various neurodegenerative diseases. As a clinician, Alex was a prescriber of advanced seating and mobility technologies and educator on neurological rehabilitation practice. She continues to participate in The Academy of Spinal Cord Injury Professionals as a committee member.

Learning Outcomes:

Participants will be able to distinguish a gap in services that they can lend support in completing within their role (OT, PT, ATP, manufacturer etc.)

Participants will be able to identify 3 barriers to the provision of CRT that would benefit the end user.

Participants will be able to identify 3 resources to assist with the wheelchair service provision process.



July 19, 2022 at 7 pm ET

Better Clinical Decisions by Knowing the “Why”

Speaker: Allison Baird, OTR/L, ATP

Sponsored Ki Mobility

Intermediate Level, Seating and Positioning, ATP/SMS Prep Content

As ATPs we routinely evaluate pelvis, spine, & trunk posture during our seating evaluations. Are we always connecting our evaluation to the seating prescriptions that will optimize client participation in their preferred activities? In this course: we will review pelvic, spine, & trunk posture. We will then explore the connection between body position & participation in various Mobility Related Activities of Daily Living.

Allison Baird is a Liberty Clinical Specialist for KiMobility. She has worked as an Occupational Therapist since 1999 and received her ATP certification in 2015. Allison has worked in a variety of healthcare settings in NJ & NY including: Level 1 & 2 Trauma Centers, Rehabilitation hospitals, and Outpatient clinics. She was the Advanced Clinician & Clinical Coordinator for the Seating Program in NY Presbyterian-Columbia. In addition, she was a home modification consultant for the MS Society of NYC. Allison is a Guest Lecturer for the Occupational Therapy Graduate program at Touro College and for the Art Therapy Graduate Program for the School of Visual Arts.

Learning Outcomes:

Participants will be able to describe the features of the pelvis, trunk, and spine that we are evaluating in the mat evaluation.

Participants will be able to identify the influence of the pelvic position on daily activities.

Participants will be able to identify the influence of trunk/spine position on daily activities.



August 23, 2022 at 7 pm ET

Power Wheelchairs: Thinking Beyond the Standard Joystick

Speaker: Kathy Fisher, B.Sc.(OT)

Sponsored by Invacare

Intermediate Level, Seating and Positioning, ATP/SMS Prep Content

Power wheelchair technology has developed to allow a personalized driving experience to maximize a client's ongoing functional potential. For many clients a basic joystick is not sufficient to meet their needs in all environments due to limitations in strength, coordination, and fatigue. Many alternative driver controls exist but how do you as a clinician make the best recommendation? This session will highlight these innovations and will present the options based on assessment considerations.

With a background in Occupational Therapy, Kathy has worked as an Assistive Technology Provider and Clinical Educator over the past 32 years. Kathy has been involved in the provision of high technology rehabilitation equipment with clients in a variety of diagnostic categories including pediatrics and bariatrics. In her current role as Manager, Clinical Sales Support & Education, Kathy provides clinical education and product consultation across Canada in all equipment categories including safe patient handling, bathroom safety, pressure management, seating and mobility. Her main area of interest and expertise is focused on complex rehab, specifically high technology powered mobility and controls.

Learning Outcomes:

Participants will be able to describe 5 assessment considerations in determining potential driver control access.

Participants will be able to list 5 programming parameters that effect the functioning and performance of proportional and non- proportional driver controls.

Participants will be able to list 3 statements illustrating the clinical rationale for selection of driver controls.



September 13, 2022 at 7 pm ET

Technology and Reimbursement: How Can We Make Them Work Together?

Speaker: Claudia Amortegui, MBA

Intermediate Level, Funding and Public Policy

Less than 15 years have passed since the first iPhone was introduced. It started a revolution in the world of cell phones. For most, they are a necessity to everyday life. The features have continued to improve throughout the years. How is it that the technology for something so basic has grown exponentially, but in the world of CRT our technology seems to be stunted in many ways? Funding seems to always to be the culprit. Not knowing if something will be reimbursed and for how much places a big wall in front of innovation. In this course we'll discuss how clinicians, ATPs, manufacturers, and providers can help overcome this issue. There are many factors that involve everyone; it's time to learn.

Claudia Amortegui is the president of The Orion Group, a consulting company specializing in the reimbursement of DME with a focus on complex rehab technology. She has been consulting for over 20 years, but first worked on all sides of the industry: with a Medicare contractor, a manufacturer, and a provider. As a consultant, Claudia has worked with local and national DME providers in improving their overall Medicare business; she also works directly with equipment manufacturers, clinical referrals and funding sources assisting them with reimbursement issues that affect their role in the overall process. Claudia presents at various industry conferences and her articles are regularly published.

Learning Outcomes:

Participants will be able to describe at least 3 key elements in the funding of new CRT technology.

Participants will be able to identify the language needed when justifying new technology in order to obtain proper reimbursement.

Participants will be able to compare documentation to understand what would be considered for coverage vs. likely denials.





October 19, 2022 at 11 am ET

The Pelvic-Spine Connection: The Key to Positioning and Function

Speaker: Tina Roesler, PT, MS, ABDA

Beginner/Intermediate Level, Seating and Positioning/Medical Terminology, ATP/SMS  
Prep Content

The wheelchair and seating evaluation has become a very specialized process that focusses on matching the most appropriate equipment with the client's postural and functional requirements. But often it has a strong focus on the equipment itself. A properly fitting wheelchair can increase a user's function within the environment physically and socially and can improve overall quality of life. On the contrary, a poor fitting wheelchair and sitting posture can negatively affect the user's health. An important aspect to proper fitting is to understand the biomechanics of the pelvis and spine and how they integrate to promote stability and function in the seated client. Back to basics.

Tina is a PT with over 25 years of experience in seating and wheeled mobility. She currently works for Bodypoint, a manufacturer of secondary postural supports as the Director of Clinical Development. She has worked in rehabilitation, wheelchair sports, LTC, and has presented on topics related to seating and wheeled mobility at conferences including ISS, RESNA, ESS, ATSA, and PMG. At Bodypoint, she is responsible for developing clinical based education content for clinicians, ATPs and Bodypoint employees.

Learning Outcomes:

Participants will be able to identify spinal and pelvic landmarks crucial to seated posture.

Participants will be able to describe changes to spinal and pelvic anatomy as it pertains to development.

Participants will be able to describe how external seating and positioning devices can influence posture and mobility



November 9, 2022 at 3 pm ET

Impact of Wheelchair Seating and Mobility on Cardiopulmonary Function

Speaker: Theresa Marie Crytzter, PT, DPT, ATP

Intermediate Level, Seating and Positioning, ATP/SMS Prep Content

Cardiopulmonary function, particularly in people with neurological disabilities, is often compromised. The extent of compromise depends on physiological factors including neurological level and denervation of the muscles of respiration, and the presence of scoliosis and kyphosis. Wheelchair positioning and mobility can impact cardiopulmonary function and chest wall expansion. Measurement of cardiopulmonary function is important to consider in therapist evaluation and to include in the documentation for wheelchair seating. Adaptive exercise and daily physical activity can improve cardiopulmonary function.

Dr. Theresa Crytzter is Faculty at Duquesne University. Prior to this, she was Assistant Professor at the University of Pittsburgh Department of Rehabilitation Science and Technology and VA Pittsburgh Health Care System Human Engineering Research Laboratories for 10 years. She completed a Doctorate in Physical Therapy from Slippery Rock University in 2000 and completed a National Institutes of Health T32 Post-Doctoral Fellowship at the University of Pittsburgh in 2011. She has provided assistive technology for 20 years. Her research focuses on improving the health and wellness of individuals with disabilities.

Learning Outcomes:

Participants will be able to describe impairments associated with people with neurological conditions and secondary conditions that can impact morbidity and mortality.

Participants will be able to identify five cardiopulmonary outcome measures and ways that they can support clinical decision-making in wheelchair prescription.

Participants will be able to describe the impact of wheelchair positioning and seating cardiopulmonary function, the impact of physical activity on cardiopulmonary function, and options for improving cardiopulmonary fitness in wheelchair users.



December 6, 2022 at 7 pm ET

The Mat Exam

Speaker: Kelly Waugh, PT, MAPT, ATP

Intermediate Level, Seating and Positioning, ATP/SMS Prep Content

The mat exam is one of the most important components of a Wheelchair Seating and Mobility Assessment. This webinar will provide the basics on this critical hands-on part of the physical assessment: what is it, who does it, when is it done, and why? After an introduction covering these key questions, we will review basic mat exam methodologies highlighting the significance of joint range of motion findings for wheelchair prescription. A summary will review how to translate supine range of motion values into the three primary body and seating system angles useful for seating prescription.

Ms. Waugh is a licensed Physical Therapist with 38 years of clinical experience as a physical therapist and educator, specializing in the area of complex rehabilitation technology (specifically Wheelchair Seating & Mobility and 24 Hour Posture Care & Management) for individuals with significant posture and mobility impairments. In addition to serving as Clinic Coordinator of the Center for Inclusive Design and Engineering (CIDE) Assistive Technology Clinic, Ms. Waugh continues to provide wheelchair seating and mobility assessments, fittings and consultations as well as nighttime positioning assessments with individuals of all ages.

Learning Outcomes:

Participants will be able to describe what the mat exam is and its purpose.

Participants will be able to identify what movement of the pelvis typically results when there is a limitation in hip and knee joint flexibility that is not accommodated (i.e. the limb has been moved beyond its end range).

Participants will be able to state the correct corresponding values when translating hip flexion, knee extension, and ankle dorsiflexion range of motion into the relevant body segment and seating system angles.



December 7, 2022 at 11 am ET

Ready to Play: Positioning to Facilitate Active Participation for Young Children with Physical Disabilities

Speaker: Angie Kiger, M.Ed., CTRS, ATP/SMS

Sponsored by Sunrise Medical

Intermediate Level, Seating and Positioning, ATP/SMS Prep Content

A day in the life of a young child typically includes pre-school, playdates with friends, mealtime with family, bath time, etc. Having the opportunity experience the quintessential aspects of childhood is vital for every child's overall growth and development. However, making those everyday experiences happen for a child with physical disabilities can be difficult.

During this one-hour session, common obstacles young children with physical disabilities may experience when it comes to being able to participate, the potential negative impacts of not participating, and strategies to facilitate activity participation will be discussed. Are you ready to help children play?

Angie Kiger, M.Ed., CTRS, ATP/SMS is the Clinical Strategy and Education Manager for Sunrise Medical. She earned a Master of Education degree in Assistive Technology from George Mason University. Throughout her 20 years of experience, Angie has worked with infants, children, and adults in both inpatient and outpatient settings to provide the most appropriate assistive technology and complex rehab technology equipment. In addition to working as a clinician, Angie has served as an adjunct instructor and presented at hundreds industry conferences in the US and abroad. She has authored numerous articles and is a member of The Clinician Task Force.

Learning Outcomes:

Participants will be able to list three reasons why providing young children with physical disabilities with equipment to facilitate active participation is important for overall growth and development.

Participants will be able to explain three strategies for implementing at least two pieces of positioning and/or mobility equipment into a young child's daily routine.

Participants will be able to list both clinical and functional benefits of three different pieces of positioning and/or mobility equipment for young children.



December 8, 2022 at 3 pm ET

## Support Surfaces

Speaker: Linda Norton, B.Sc.OT, MSc.CH, PhD, OT Reg(ONT)

Intermediate Level, Seating and Positioning, ATP/SMS Prep Content

Therapeutic support surfaces are a critical component of pressure injury prevention and management. Knowledgeable complex rehab technology suppliers who can apply the latest research and standard terminology to the client's circumstances are in a unique position to have a positive impact on the client's health. Following a brief review of the applicable terminology, principles and best practices, participants will learn how to compare support surfaces from different manufacturers to choose the features that would benefit a specific client. Using a case-based approach, participants will explore applying research and best practices to the client's situation to determine the best options.

Linda is an Occupational Therapist who is passionate about the provision of appropriate seating and mobility equipment and the prevention of chronic wounds. Her diverse experience in various settings including hospital, community, and industry; and in various roles including clinician, educator, manager, and researcher, gives Linda a unique perspective. Wound prevention and management are also Linda's passions. She has completed the International Interprofessional Wound Care Course (IIWCC), a Master's in Community Health focusing on pressure injury prevention, and a PhD in Occupational Science focusing on chronic wounds.

### Learning Outcomes:

Participants will be able to describe the key support surface definitions and best practice recommendations.

Participants will be able to compare different products from different manufacturers in a clinically relevant way.

Participants will be able to apply best practices and product comparisons to several case studies to determine the best option for the client.