
F9: Anterior Tilt, Stand, Lateral Tilt, Elevate, Recline Powered Adjustable Seat Positions - Reasonable, Necessary?? How Do I Get My Clients To Use Them Effectively?

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Learning objectives:

1. Participants will understand 2 clinical, wellness or functional, indicators for lateral tilt
2. Participants will identify 2 contraindications and 2 precautions for use of power standing function
3. Participants will identify 3 strategies to increase compliance with usage plan
4. State 2 outcome measures tracking compliance

Session description:

As therapists working with full time wheelchair users with complex needs, we understand, anecdotally, the benefit of power seat functions for enhanced comfort, improved postural alignment, enhanced digestion and respiratory function and skin health management. We also know from experience that client compliance with use of these power functions can be mixed.

How do we decide what is reasonable and necessary?
How can we maximize their use and benefit?

It's the aim of this workshop to analyze the evidence: determining what power seat functions offer for pressure relief, position change and management of other physiologic issues. Participants will develop a framework for objectively evaluating devices to support practical clinical recommendations regarding current as well as emerging technologies.

To address compliance issues, we'll look at the evidence regarding real -time usage of these power functions: why or why aren't clients using their seat functions? What are client's perceptions regarding power seat functions? This course will provide strategies to increase compliance with recommended

use. Roadblocks to usage and strategies to overcome them will also be discussed.

Content References:

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2. Sonenblum, S. E., & Sprigle, S. (2011). Distinct tilting behaviors with power tilt-in-space systems. *Disability and Rehabilitation: Assistive Technology*, 6(6), 526-535.
3. Dewey, A., Rice-Oxley, M., & Dean, T. (2004). A Qualitative Study Comparing the Experiences of Tilt-in-Space Wheelchair Use and Conventional Wheelchair Use by Clients Severely Disabled with Multiple Sclerosis. *British Journal of Occupational Therapy*, 67(2), 65-74.
4. Comparative Effects of Posture on Pressure and Shear at the Body-Seat Interface
5. Hobson 1992, *Journal of Rehabilitation Research and Development* Vol. 29, No. 4
Glickman, L.B., Geigle, P.R., & Paleg, G.S. (2010). A systematic review of supported standing programs. *Journal of Pediatric Rehabilitation Medicine*, 3(3), 197-213.