
E11: Risk assessment in seating and positioning for prevention of deep tissue injury

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Learning objectives:

1. Understand the important role risk management assessment plays in preventing deep tissue injury
2. Learn the critical differences in wound grading and assessment of deep tissue injury
3. Review the latest evidence examining deep tissue injury etiology and prevention
4. Apply the risk assessment principles into your everyday clinical assessment and treatment regimen

Session description:

As new evidence begins to unravel the mysteries of pressure injury etiology, new risk assessment guidelines are in need of being updated for seating and positioning professionals. Preventable tissue injury can be significantly reduced through team education, assessment and treatment protocols. This program aims to define the critical assessment pathways for the seating and positioning professional in managing moderate to high pressure injury risk clients. The latest research findings will demonstrate the paramount importance of a comprehensive assessment methodology for managing pressure injury and preventing deep tissue injury altogether. Updated terminology, visual indicators, scientific research along with key researcher's input will all be shared such that the attendee will leave with a better understanding of tissue damage, assessment and prevention.

Content references:

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2. Gefen, A. (2014). "Tissue Changes in Patients Following Spinal Cord Injury and Implications

for Wheelchair Cushions and Tissue Loading: A Literature Review." *Ostomy Wound Management*. Feb: 34-45

3. Levy A, Kopplin K, Gefen A. Simulations of skin and subcutaneous tissue loading in the buttocks while regaining weight-bearing after a push-up in wheelchair users. *J Mech Behav Biomed Mater*. 2013 Dec;28:436-47
4. Levy A, Kopplin K, Gefen A. Computer simulations of the efficacy of air-cell-based cushions in protecting against reoccurrence of pressure ulcers. *Journal of Rehabilitation Research and Development*. 2014;51(8):1297-1310
5. Levy, Ayelet, Kara Kopplin, and Amit Gefen. "Device-related pressure ulcers from a biomechanical perspective." *Journal of tissue viability* (2016)
6. Sonenblum, S., Vonk, T., Janssen, T., and Sprigle, S. (2014). "Effects of Wheelchair Cushions and Pressure Relief Maneuvers on Ischial Interface Pressure and Blood Flow in People with Spinal Cord Injury." *Archives of Physical Medicine and Rehabilitation*