

PICO QUESTION

Are air-cell based (ACB) cushions effective for reducing pressure and development of pressure ulcers among adults with spinal cord injury who are unable to independently perform pressure relief?

BACKGROUND & RATIONALE

- Regional One Hospital sees patients at the acute level; most patients are unable to independently perform pressure relief
- Important to provide a cushion to minimize development of pressure ulcers



REVIEW PROCESS



PRESSURE AREAS AT RISK

The Effects of Air-Cell Based Cushions on Pressure Relief for Adults with Spinal Cord Injury: A Critically Appraised Topic

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Study	Advantages
	Levell
 Damiao & Gentry (2021) Systematic Review Quality Score: 70% 	 Superior immer shear reduction
 He & Shi (2020) Rapid Review Quality Score: 90% 	 More consistent effective in inter pressure reduct
	Level II
 Wu & Bogie (2014) Time Series Quality Score: 77% 	 Dynamically and continuously alt distribution Sustained posit effects
	Level
 Levy, Kopplin, & Gefen (2014) Single Case Design Quality Score: 86% 	 Lower stress in fat, and skin Greater immers lowering international loads



