Preventing Pressure Injuries in AFO Users: A Novel Use for Liquid Cyanoacrylate Polymer Skin Protectant

Quality Grant

Total Budget Requested ¨ í ð U ñ í ì

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Background, Significance, and Implications

Pressure injury prevention and reduction in acquired pressure injuries remains a key goal for

Specific Aims

To implement a quality improvement project, using barrier forming cyanoacrylate polymer skin protectant underneath rigid orthoses with the goal of reducing acquired pressure injuries.

Methods, Timeline, & Outcomes Measured

We will design this as a quality improvement project, providing the same standard of care to all patients. We plan to apply through the IRB for an exemption and letter stating that this project does not qualify as human subject research. The cyanoacrylate polymer product to be used is the Cavilon Advanced Barrier Wand by 3M. This product has already been accepted as safe for use and is already in use throughout the facility.

The team will collaborate with nursing Informatics Coordinator, and/or other appropriate members of the

References

Been, R.A., Bernatchez, S.F., Conwad, D.M., Asmus, R.A., Ekholm, B.P., Hanks, J.D. (2016). In Vivo Methods to Evaluate a New Skin Protectant for Loss of Skin Integrity. Wound Repair & Regeneration, 24, 851-859.

Bernatchez, S.F., Mengistu, G.E., Eckholm, B.P., Sanghi, S., & Theiss, S.D. (2015). Reducing Friction on Skin at Risk: The Use of 3M Cavilon No Sting Barrier Film. Advances in Wound Care, 4(12), p.705-710.

Brennan, M.R., Milne, C.T., Agrawal, M., &lm,lm,rah &lm,lm,rah75lm,rah 0.9 1 ( )f (rah(u)-7 c)1 (i)-3 (n