

IMPLEMENTING A MECHANICAL DEBRIDEMENT PROTOCOL PROCESS IMPROVEMENT PLAN

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No conflicts of interest to disclose.

BACKGROUND

"Regular debridement is the cornerstone for maintaining a healthy wound bed in most chronic wounds with a potential to heal." Within Intermountain Healthcare, a large care delivery system, we are always looking for ways to improve patient outcomes, shorten wound healing times, and help patients decrease pain and improve healing. Given the many methods of debridement available, we decided to utilize the monofilament debriding pads prior to seeing the wound clinic physician.

A survey was done to determine if the use of these mechanical debriding pads was effective. Nurses and technicians both felt they were not beneficial. On further evaluation, we found that the pads were not being used correctly, according to manufactures guidelines.

METHODS

A Debridement Protocol using a monofilament pad in the wound clinic was developed and implemented in an attempt to standardize care across our agencies and improve wound healing. To continue the wound bed maintenance, homecare also uses the monofilament debriding pad as part of the treatment plan.

A simple educational flyer and video were created to train the staff in the use of the monofilament pads. Timers were purchased and placed in every treatment room to ensure the pads were used for sufficient time to maximize benefit. A standardized 4-minute scrub was expected when using the pad or lolly (Figure 1,2).



FIGURE 1: INTERMOUNTAIN DEBRIDEMENT PROTOCOL USING MONOFILAMENT PAD.

- 1. Remove the dressing.
- 2. Open the single use, sterile pack.
- 3. Fully moisten the soft fleecy side of pad with tap water, wound cleanser, or saline.
- 4. With light pressure and using a circular motion, use the soft fleecy side of pad to gently debride the wound and/or skin for approximately 4 minutes.
- 5. Re-moisten of pad begins to stick during debridement.

FIGURE 2: INTERMOUNTAIN DEBRIDEMENT PROTOCOL USING MONOFILAMENT LOLLY

- 1. Remove the dressing.
- 2. Open the Lolly single use, sterile pack.
- 3. Fully moisten the Lolly with tap water, wound cleanser, or saline.
- 4. Clean the wound and/or hard-to-reach areas by applying gentle pressure with the soft, fibre head of the moistened Lolly for 4 minutes.



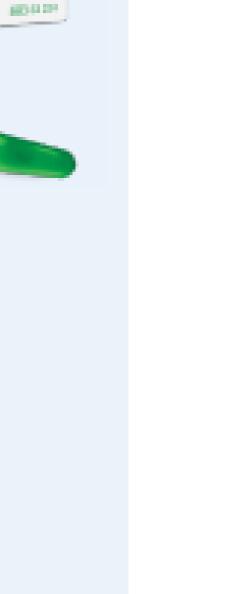
4 min **1**

置 Debrisoft®

10 x 10 cm

REF 31 222

4 min



RESULTS

Physicians found that with the implementation of the protocol, their debridement time was decreased. They also found that structures in the wound bed were more clearly defined and sharp debridement was easier to complete. The physicians felt that the lolly was able to debride places that they could not easily see to sharp debride.



REFERENCES

- 1. Wolcott R, Kennedy J, Dowd S. Regular debridement is the main tool for maintaining a healthy wound bed in most chronic wounds. Journal of Wound Care [serial online]. February 2009;18(2):54-56. Available from: CINAHL Complete, Ipswich, MA. Accessed October 13, 2017.
- 2. Atkin, L. (2016). A guide to wound debridement. Independent Nurse, 1.
- 3. New Monofiliment fibre debrider lolly Experience in daily practice on 170 patients with acute or chronic wounds; Norbert Kolbig http://epostersonline.com/wounds2016/node/296.
- 4. White, R., Grocott, P., Young, T., & Ali, O. (2014). Evidence in wound care: the recent NICE guidance on Debrisoft monofilament debridement pad for use in acute or chronic wounds. Wounds UK, 10(2), 20-22
- 5. Porter, M. (2015). Does debridement have a role in the accurate assessment of patients with pressure ulcers? Wounds UK, 11(3), 10-13.



CONCLUSION

Implementation of the Debridement
Protocol has standardized the use
of the product. We have seen an
overall decrease in treatment time and
decreased physician debridement time.

Lohmann & Rauscher Debrisoft® pads and Lolly Innovacyn Puracyn® hypochlorous acid wound cleanser