Novel use of Active *Leptospermum* Honey for Pin Site Care

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PURPOSE

A single center case series to investigate the use of Active Leptospermum Honey honeycolloids* (ALH) in pin site care after open reduction external fixation (OREF) of DM Charcot patients undergoing reconstruction.

BACKGROUND/RATIONALE

The use of OREF in the DM population has a high incidence of wound care problems with standard treatments.1 Historically, treatment has consisted of once or twice daily saline and peroxide cleanses with dry gauze dressing. ALH would be a useful product to have for pin site care after OREF that allows for adequate absorption, less frequent dressing change, good safety profile.

METHODOLOGY

Five patients undergoing OREF for DM Charcot reconstruction had ALH applied to pin and wire sites intraoperatively and then changed weekly following a cleanse with peroxide for up to 8 weeks. Documentation of wound problems was noted based on clinical findings of the cardinal signs of infection including calor, dolor, erythema, inflammation, and increasing exudates.

RESULTS

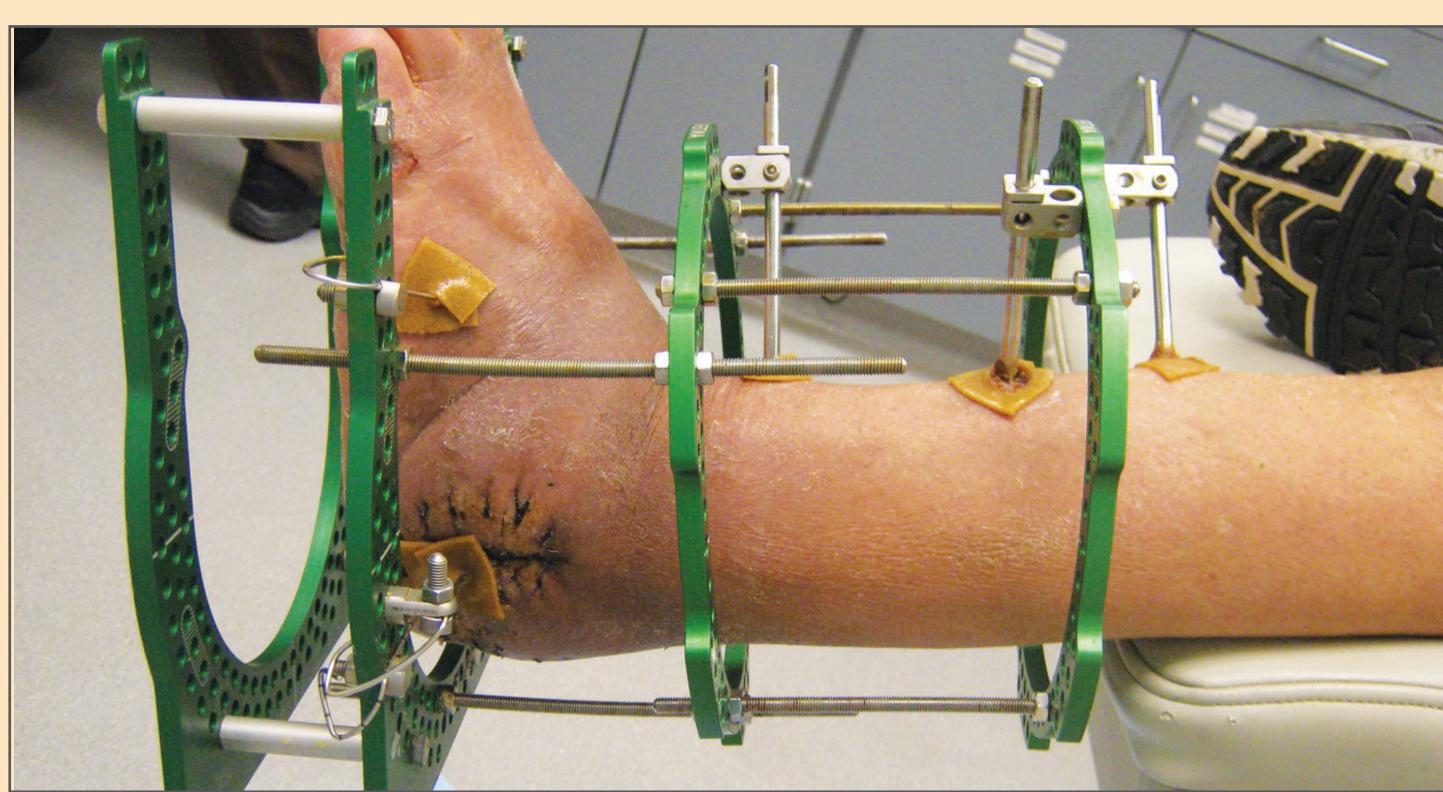
Quality post-operative care of closed surgical wounds such as pin sites is highly important for optimal outcomes. There is strong agreement that the dressing material should keep excess moisture away from the wound and that dressings should be kept clean and dry and be changed weekly or more frequently.² In this series outcomes achieved were that only two wire sites were noted to have signs of infection out of a total of 57 sites on five patients. These two sites resolved uneventfully with a short course o empirical antibiotics orally administered.

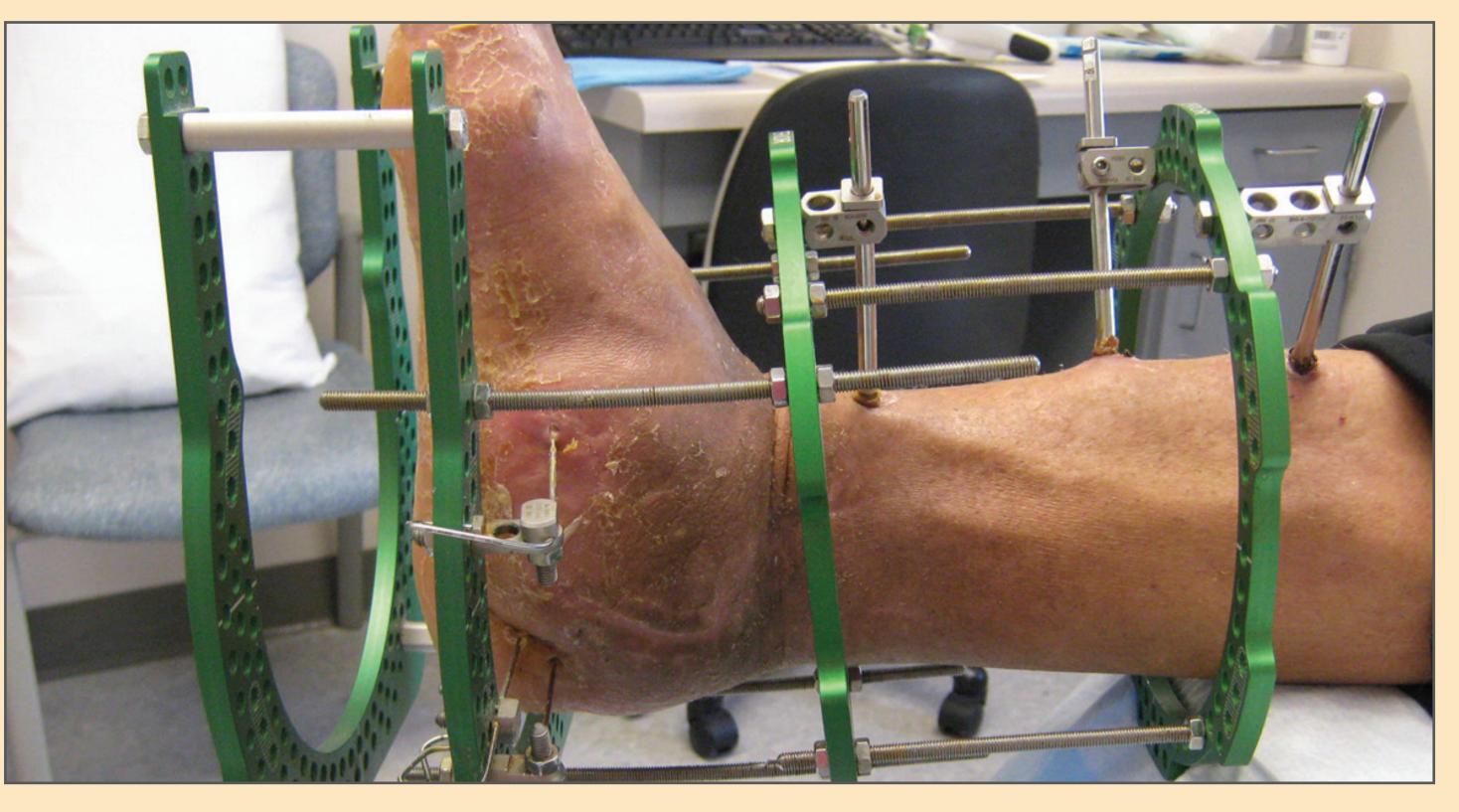
CONCLUSION

Weekly application of ALH may be considered an option for this wound type. Further large study is indicated.

PATIENT 1









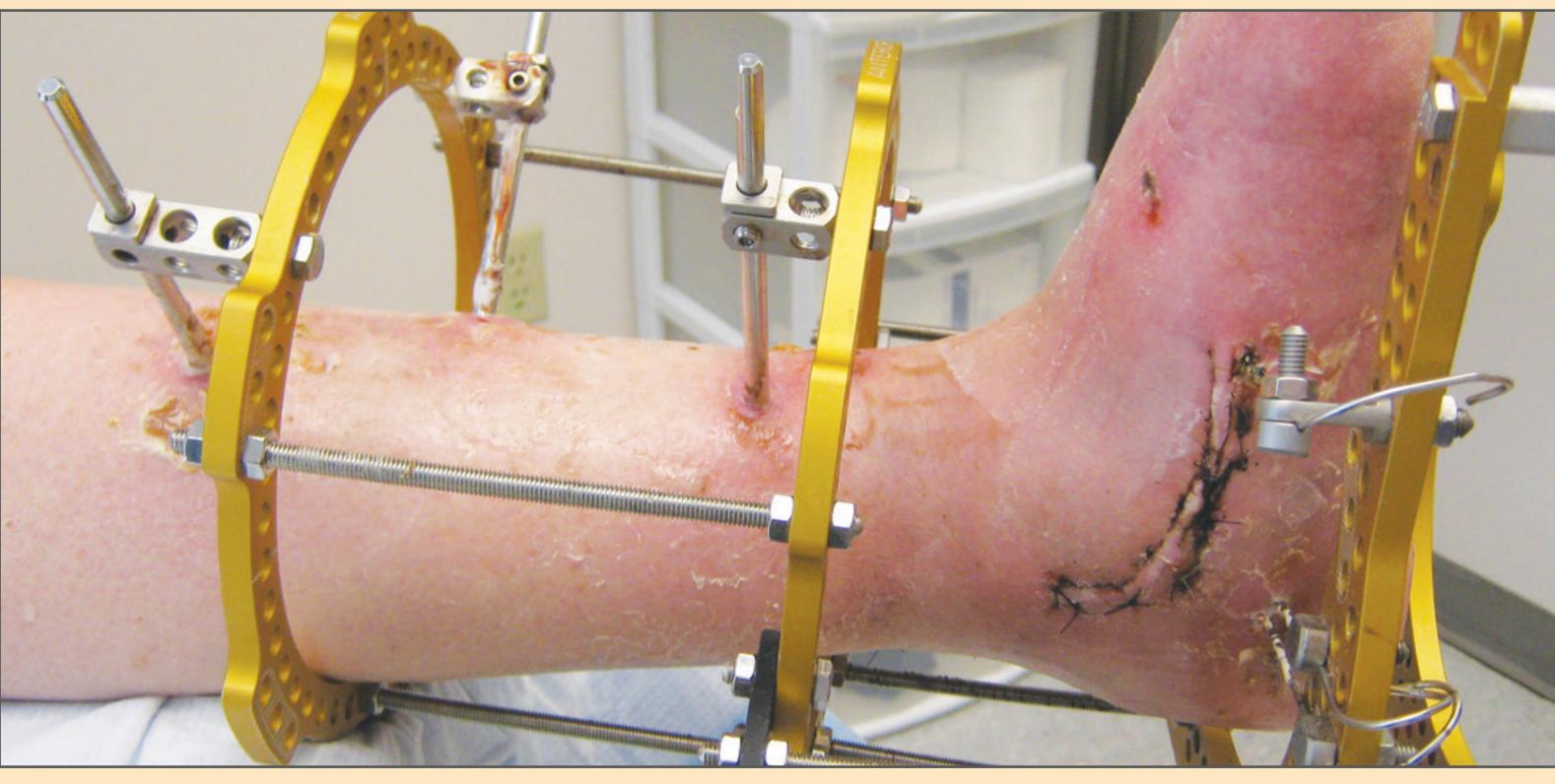
PATIENT 2



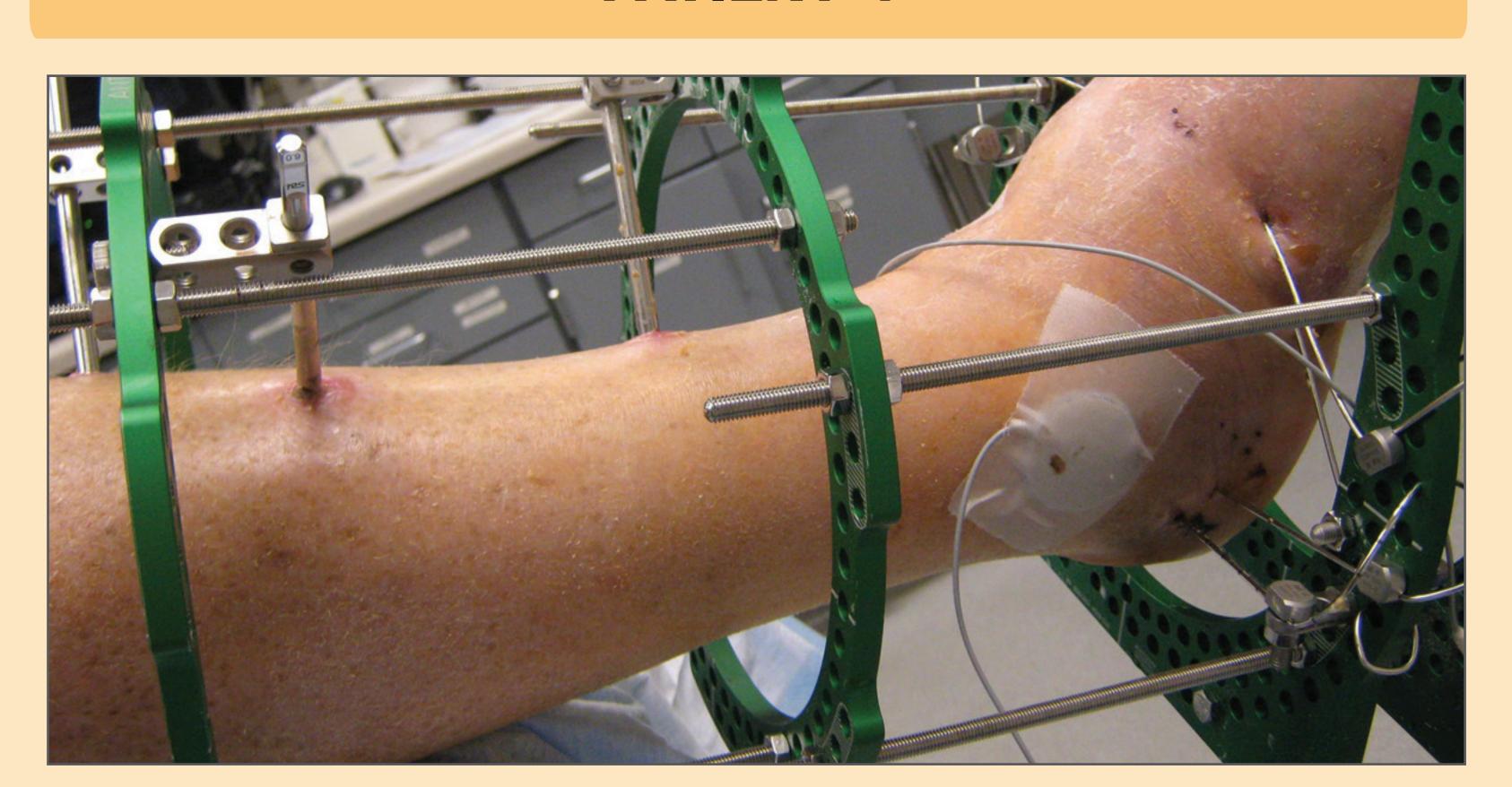


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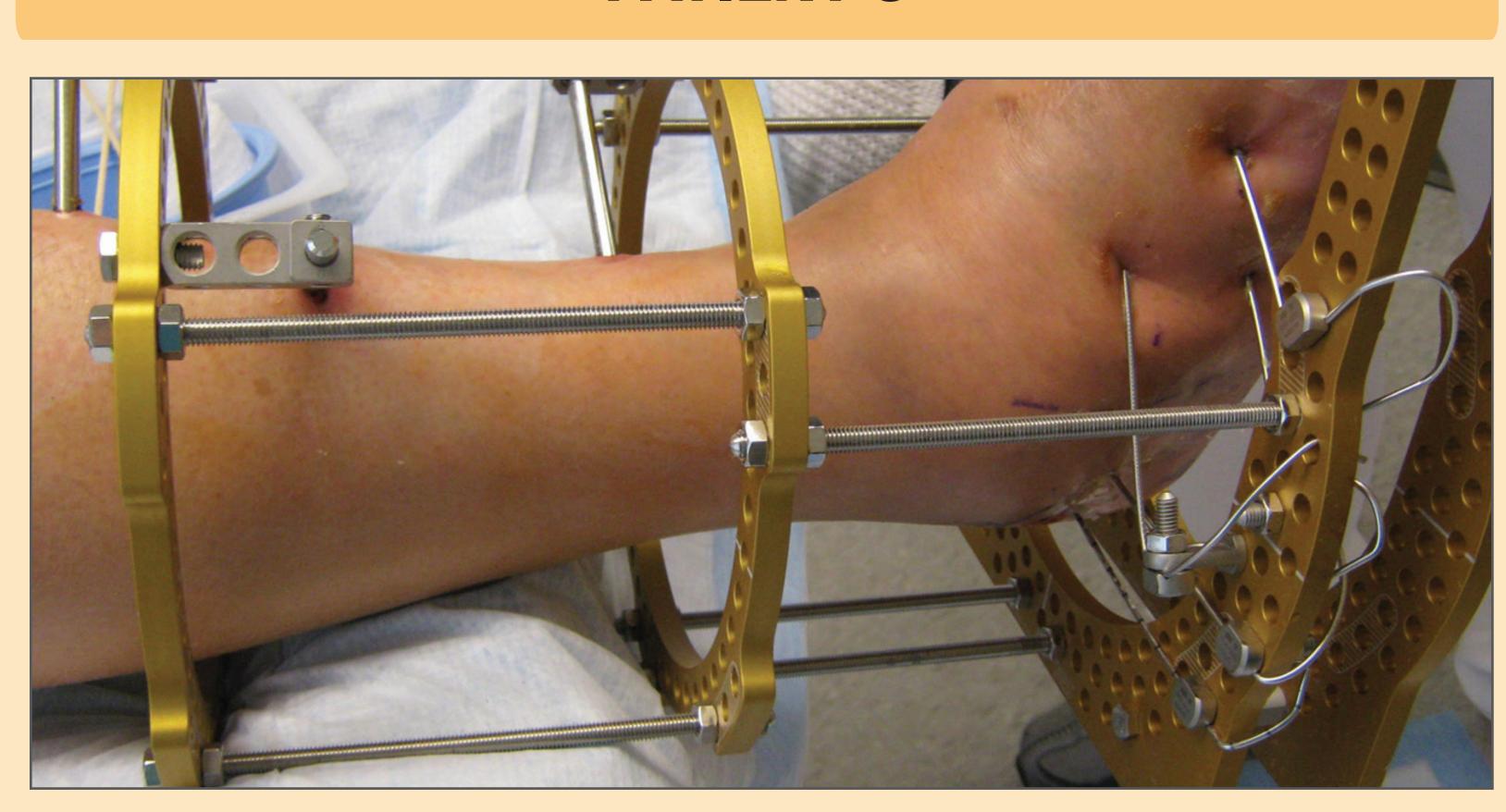




PATIENT 4



PATIENT 5



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*MEDIHONEY Active Leptospermum Honey Honeycolloid Dressings, Derma Sciences, Princeton, New Jersey.

Reference: 1. Stewart, MJ, Morrey BF, Clin Orth 1990 253(Apr) 209-211. Farber, et al, FAI 23:130-134, 2002. Zarutsky, JFAS 44:22-31,2005. Johnson, JBJS 80-A:1700-1709,1998. Myerson JBJS 80-A:1700-1709,1998. Myerson JBJS 80-A:1700-1709,1998. Myerson JBJS 75-A:1056-66, 1993. Rogers JFAS 46:372-375, 2007. 2. Trepman, FAI 26(1):2005. Spruce P, Warriner L, Keast D, Kennedy A. Exit site wounds Made Easy. Wounds International 2012; 3(2): Available from: http://www.woundsinternational.com Derma Sciences provided an educational grant to support this research. The information may include a use that has not been approved or cleared by the Food and Drug Administration. This information is not being presented on behalf of Derma Sciences.

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