



## Assessment of a wound cleansing solution in the treatment of problem wounds

Andriessen AE, Eberlein TE.  
WOUNDS 2008;20(6):171–175.

### Objective

This retrospective analysis of existing data was performed looking at the clinical efficacy and cost-effectiveness of using a wound cleanser (Prontosan<sup>®</sup> Wound Irrigation Solution) to treat problem wounds.

### Methods

This retrospective analysis of existing data was performed looking at the clinical efficacy and cost-effectiveness of using a wound cleanser to treat problem wounds. Wound cleansing upon dressing changes using a polihexanide containing solution (Prontosan<sup>®</sup> Wound Irrigation Solution) in venous leg ulcers was compared to cleansing with either Ringer's solution or normal saline.

### Results

The wounds of the patients treated with Prontosan<sup>®</sup> Wound Irrigation Solution healed faster and in more cases (97% versus 89%). The Kaplan-Meier mean estimate (and associated standard error [SE]) demonstrated a statistically significant difference between treatment groups ( $p < 0.0001$ ) in time to healing. The Kaplan-Meier mean time to healing for the study group (SG) was 3.31 months ( $SE = 0.17$ ) compared to 4.42 months ( $SE = 0.19$ ) for the control group ([CG], normal saline/Ringer's solution).

### Conclusion

Wound cleansing with Prontosan<sup>®</sup> Wound Irrigation Solution can lead to faster healing when compared to traditional wound cleansers such as normal saline and Ringer's solution and is therefore cost-effective.

% Healed Wounds, % Nonhealing Wounds, % Infected Wounds

