COMPLEX CASE SERIES OF FRAIL ELDERLY PATIENTS WITH STAGNATING LACERATIONS TREATED WITH A COLLAGEN DRESSING IN A NURSING HOME SETTING

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Introduction:

Efficacy of a adebridement product and a b collagen dressing on inflammation reduction and re-starting healing was evaluated in ten frail elderly patients with stagnating skin lacerations, treated in a nursing home setting. Skin tears often occur in these patients, due to their poor condition and their medication such as corticosteroids and anti-coagulants.

Methods:

Case ascertainment was used. Patients received a bcollagen dressing and a foam or an alginate as a secondary dressing, for a maximum of 14 days, after which the bcollagen dressing was discontinued and the foam used as a primary dressing. A tubular compression system was used to reduce oedema that was present in the leg. Wound healing was assessed using clinical observation and digital photographs, comparing day 0 versus day 14 results. Patients were then followed up until wound closure.

Results:

Eight women and two men were included and completed the study period. Patients had a mean age of 76 years (ranging from 62-100 years). All included wounds had closed within 12 weeks of treatment. Two typical cases are included to demonstrate the results.

Conclusion:

The results indicate that the use of the bcollagen dressing stimulated wound healing in these stagnating wounds. Moreover the bcollagen dressing has effectively stopped the bleeding.



Fig. 1.1: Situation at day 0



Fig. 1.2: Removal of necrosis



Fig. 1.3: Situation after debridement



Fig. 1.6: The second compression layer in situ



the wound was almost closed.

Case 1:

Fig. 1.7: Situation after 1

week



The 76 year old woman developed a hematoma after injury. Fig. 1.1. She has chronic

The necrosis was removed using a adebridement product, wetted with PHMB. Fig. 1.2

and Fig. 1.3. Then a bcollagen dressing was applied covered with a silver-containing

dalginate and a foam. Fig. 1.4. A tubular compression system was used to reduce

oedema that was present in the leg. Fig. 1.5. and Fig. 1.6. After 5 weeks of treatment

venous insufficiency (CVI), smoked (20 cigarettes / day) and is mobile with a walker.

She uses anticoagulants since she suffered a stroke.

Fig. 1.8: Situation after 3 weeks



Fig. 1.9: Situation after 5 weeks



Fig. 1.4: Collagen dressing

in situ

Fig. 2.1: Situation at day 0. The ulcer is coverd with necrotic tissue



Fig. 1.5: The first compression

layer in situ

Fig. 2.2: Situation at day 0. The ulcer is covert with necrotic tissue



Fig. 2. 3: Situation at day 0.



Fig. 2. 4: Situation at day 0. surgical debridement.



Fig. 2. 5: Situation at day 0. **Debridement with** the amonofilament product



Fig. 2. 6: Situation at day 0. Collagen dressing in situ



Fig. 2.7: Situation after 4 hours: **Debridement** is completed.



Fig. 2.8: Situation after 4 days: The ulcer bed is free of necrotic tissue.



Fig. 2.9: Tubular compression.

Case 2:

The frail elderly woman has a mixed ulcer covered with necrotic tissue. Fig. 2.1. and Fig. 2.2. Surgical debridement was used to remove the dry crust. Fig. 2.3. and Fig. 2.4.

The adebridement product was then used to remove the remaining necrotic tissue also from the surrounding skin. Fig. 2.5.

A bcollagen dressing was applied covered with a cfoam. Fig. 2.6.

For compression the first white layer of a two-layer tubular ecompression system was used, delivering 10 mm Hg at the ankle. Fig. 2.9.



Fig. 2.10: At week 4

Fig. 2.11: At week 19



References:

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