WOUND TREATMENT WITH A NEW HYDROPHILIC FOAM DRESSING COATED WITH A HYDROGEL NET[1]

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Objectif:

Superficial wounds are often treated with a foam dressing. Sometimes these dressings are too adherent to the wound surface. We have observed the efficacy and the comfort of a new hydrophilic foam dressing coated with a hydrogel net[1]. The aim was to evaluate if this dressing is able to maintain an ideal wound healing environment and if it would have advantages regarding comfort at dressing change.

Method:

In the inflammation and cleaning phase we have treated 10 wounds with an activated polyacrylate dressing[2] or with a foam dressing[3]. In the granulation phase we changed the dressing towards a new hydrophilic foam dressing coated with a hydrogel net[1].

Fig 1: Burn 2nd degree: 90% superficial – 10% deep. In the inflammation phase we treated the wound with a foam dressing[3]. At day 4 we started the application of a new hydrophilic foam dressing*

Fig 2 (7/7/'11) The dressing has been changed every second day. The excessive wound exudate is removed without drying out the wound.

Fig 3: The wound dressing[1] is soft and conformable, provides a good cushioning effect and can be removed almost painlessly

Fig 4: When the wound becomes relatively dry the hydrogel releases moisture and promotes the formation and maintainance of a moist wound environment, whereby the granulation and epithelisation are promoted.

Fig 5: After five weeks we could observe an almost completely wound healing. The last 2 weeks the dressing has been changed twice a week. A minor wound (deep 2nd degree) is still present

Fig 6: A follow-up observation after 2 months shows a solid scar formation without the need of silicone compression therapy.

Results:

We observed a very good absorption of the exudate. Once the wound produced less exudate, the new dressing[1] was able to keep a favorable moist wound environment.
Each dressing change could be done without increasing pain sensations for the patient. In average we changed the dressing every 3 days.

Conclusion:

The development of this new hydrophilic foam dressing coated with a hydrogel net[1] offers a new perspective in the treatment of these wounds.

[1] **HydroTac (Hartmann AG)**
[2] **TenderWet Active (Hartmann AG)**
[3] **Permafoam (Hartmann AG)**