

EVALUATION OF A POLYHEXANID-CONTAINING WOUND-DRESSING* IN THE TREATMENT OF INFECTED WOUNDS

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Introduction:

Wound exudate management and the control of bacterial burden are the two main aims in the treatment of infected wounds.

For this, we evaluated the effectiveness of a Polyhexanide-containing wound dressing* concerning the following properties:

- HydroBalance: The property of absorption and donation depending on the exudation level
- Effectiveness of polyhexanid: Polyhexanide taps its full antimicrobial potential in the dressing as well as on the woundbed.

Materials and Methods

The polyhexanide containing wound dressing is available as rope and dressing. For the evaluation, notations and pictures at the beginning, on the third, seventh, tenth, fourteenth as well as after two month or at the end of treatment have been collected.

Results

The evaluation is based on ten clinical cases. The first results are very convincing:

- Fast reduction of exudate amount
- Decrease of signs of infection and inflammation
- Reduction of sloughy tissue
- Increase of granulation tissue
- Especially at the beginning of treatment an impressive pain reduction

Case 1: 67years old female patient, arthrodesis, cardiac insufficiency, deep vein thrombosis 1980



Day 1:
Noticeable signs of inflammation and infection
Mechanical debridement of necrotic tissue
Polyhexanide-containing wound dressing*, PU-foam** as secondary dressing.
Toes covered with a Hydrocolloid***

Day 6:
Noticeable reduction of signs of inflammation
Polyhexanide-containing wound dressing*, PU-foam** as secondary dressing.



Day 12: Ongoing reduction of inflammatory signs

Case 2: 85 years old female patient, necrotic angiodermatitis, art. hypertension, multiple venous thrombosis



Case 3: 86 years old female patient, recurrent mixed lower leg ulcer, multiple arthrosis, denial of compression stockings



Conclusion

The polyhexanide-containing wound dressing shows significant advantages compared with the standard-treatment in our centre. Especially in matters of dressing change frequency, cost-effectiveness and rapidness of wound healing. The analysis of the reversible hyperkeratoplasic effect is still ongoing.