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

## Rosset C.<sup>1</sup>, Léschot P.<sup>2</sup>

- <sup>1</sup> infirmière spécialisée en soins des plaies, CSI Genève
- <sup>2</sup> infirmier spécialisé en soins des plaies, infirmier libéral



#### 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 Polyhexanidecontaining 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 antimocrobial potential in the dressing as well as on the woundbed.

Case 1: 67 years 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

#### **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, fourtenth 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

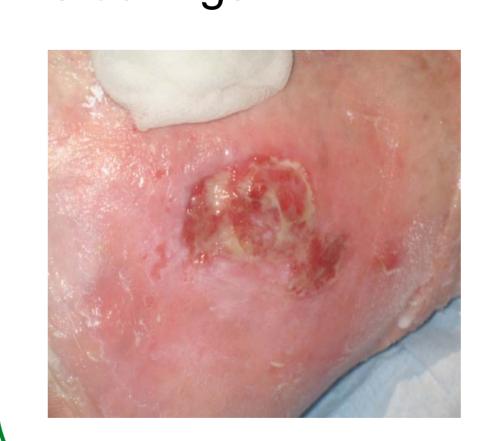
Case 2: 85 years old female patient, necrotic angiodermatitis, art. hypertension, multiple venous thrombosis







Case 3: 86 years old female patient, recurent 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 hyperkeratoplastic effect is still ongoing.

Scientific grant of Lohmann & Rauscher GmbH & Co KG, Rengsdorf/Germany

\* Suprasorb® X+PHMB

Lohmann & Rauscher

\*\* Suprasorb® P

Lohmann & Rauscher

\*\*\* Suprasorb® H

Lohmann & Rauscher