

# Successful treatment of a patient with major third-degree burns with a HydroBalanced biocellulose dressing

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## Introduction:

A 16-years-old patient with burns (98%) of the face, neck, body and upper and lower extremities was treated with HWD\*, a HydroBalanced biocellulose wound dressing (secondary dressing: film\*\*), starting from January 2007 (fig 1).

## Methods and results:

For the extensive third-degree burns (type A) in the major wound areas of the chest, the abdomen, the back and the lower extremities, it took a mean time of 23 to 25 days for epithelization in spite of severe toxic-septic courses due to the burns. The dressings were applied for five to seven days (very good fixation, no trauma or injuries during change). Toxic or allergic reactions did not appear. A confluent insular epithelization was observed (fig. 2). At the donor site, HWD\* (applied two oder three days after grafting) led to a considerable decrease in dressing frequency, reduced the damage of the wound surface and formed the conditions for epithelization within ten to twelve days.

## Conclusion:

HWD\* used in a patient with supercritical skin burns of about 98 % is not only effective regarding the complex treatment of dermal third-degree burns of type A, but also regarding the treatment of donor sites during the postoperative period. The dressings actively stimulate regenerative processes after wound cleansing from pyo-necrotic tissues, and accelerate the marginal and insular epithelization. An essential advantage of the application of HWD\* dressing is the decrease of dressing change frequency, easy nursing care of a patient with extensive wound surfaces and reduction of pain intensity between the dressing changes. Wound defects covered with HWD\* show better aesthetic results compared to traditional methodes (fig 3).

\* HWD: Suprasorb® X, Lohmann & Rauscher

\*\* Film: Suprasorb® F, Lohmann & Rauscher



Fig 1: 98% burns of the face, neck, body, upper and lower extremities



Fig 2: Partial treatment with HWD\*



Fig 3: Mobile and smiling again (patient and Mrs Dr Brazol, his life saver)

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