

# SCAR WARS

## THE TRILOGY

DIAGNOSIS  
REHABILITATION  
REGENERATION

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## Suprathel Changes the Game

*by H.Haller, R. Hafner, M. Giretzlehner, J. Dirnberger,  
S. Thumfahrt, Chr. Ottomann, F. Sander, B. Hartmann,  
M. Rapp, J. Kaartinen, D. Lumenta, LP. Kazmol*

## Suprathel changes the game!\*

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*H.Haller<sup>1</sup>, R. Hafner<sup>1</sup>, M. Giretzlehner<sup>2</sup>, J. Dirnberger<sup>2</sup>, S. Thumfahrt<sup>2</sup>, Chr. Ottomann<sup>3</sup>,  
F. Sander<sup>3</sup>, B. Hartmann<sup>3</sup>, M. Rapp<sup>4</sup>, J. Kaartinen<sup>5</sup>, D. Lumenta<sup>6</sup>, LP. Kamolz<sup>6</sup>,*

*<sup>1</sup>UKH Linz der AUVA, Austria, <sup>2</sup>Research Institute for Symbolic Computation of Johannes Kepler University Linz, Hagenberg, Austria, <sup>3</sup>Zentrum für Schwerbrandverletzte mit Plastischer Chirurgie Unfallkrankenhaus Berlin, Germany, <sup>4</sup>Marienhospital Stuttgart, Germany, <sup>5</sup>University of Tampere, Finland, <sup>6</sup>Klinik für Plastische und Rekonstruktive Chirurgie der medizinischen Universität Graz, Austria*

Suprathel is a synthetic copolymer membrane mostly from polylactids used in burn treatment to provide temporary coverage of superficial and partial deep dermal burns and donor areas warranting no biological hazards. It degrades hydrolytically to lactic acid components, such showing negative effect on bacterial growth. It usually is covered with a layer of fatty gauze and this is covered with a dressing which is left in place till the wound has healed. Primary reason to use Suprathel in our hospital 2004 was the evident reduction of average time for dressing changes from 87 minutes to 57 minutes. Dressing changes initially done under general anesthesia changed to procedures with standby of an anesthesiological team and further on to be done nearly without additional anesthetic medication by the staff.

Pain reduction by Suprathel has been shown to be superior to other membranes used in similar indications giving the chance to reduce pain medication like opioids and so to decrease fluid retention and to reduce the time of artificial ventilation such avoiding complications.

Suprathel has been used both in children and in grown-ups for the coverage of partial thickness burns. In children it was used in mid-dermal burns and SSG were applied in areas not healing after a certain period, such offering the usability in mixed burns and the reduction of STG. In grown-ups it was used in partial deep burns after tangential excision, which gave the advantage in extensive burns to save donor areas and to reduce workload. Reduced water loss also combines with reduced evaporation heat loss such improving the patients metabolic situation.

Tests showed an excellent bactericidal effect of the “Suprathel- Acetic-Acid-Matrix” particularly with problematic Gram-negative bacteria such as *Proteus vulgaris*, *P. aeruginosa*, and *Acinetobacter baumannii* with an efficiency superior to silver containing products. Suprathel was successfully used in Over-graft procedures with Mesh and Meek and provided to be a good treatment choice in combination with keratinocytes spray and enzymatic debridement and in burn-like syndromes.

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