

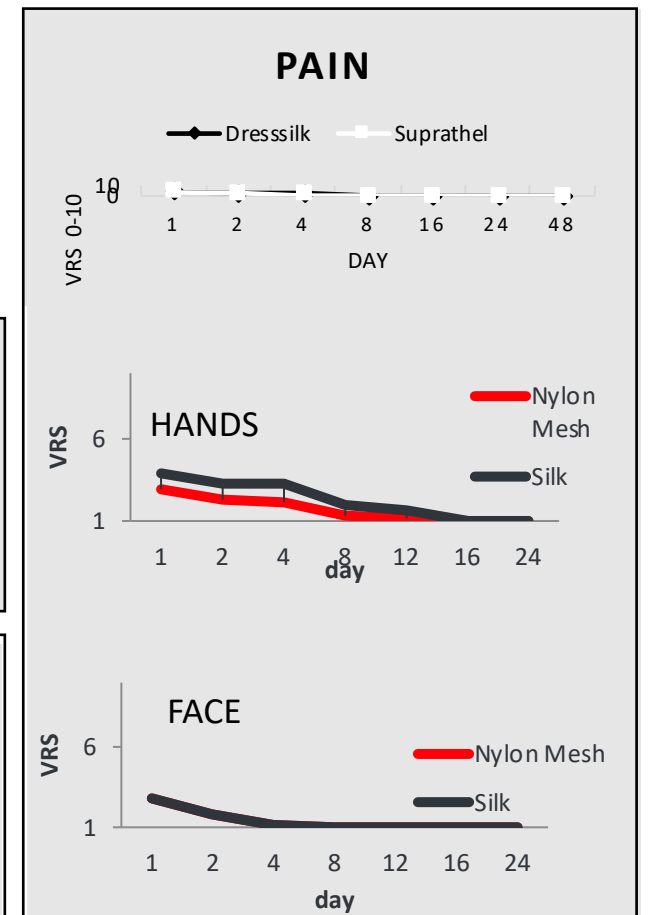
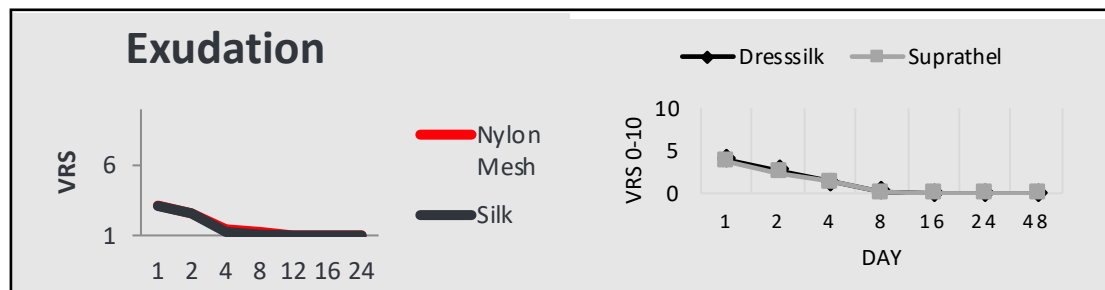
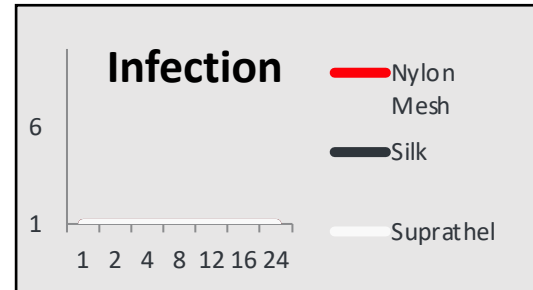
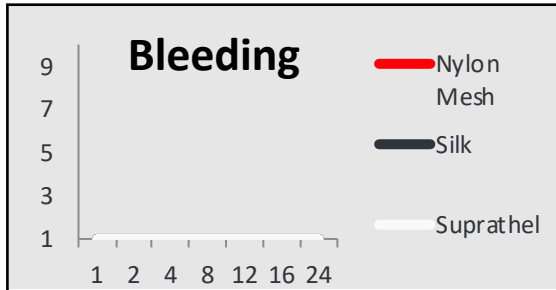
**Aim**

During the treatment of superficial burn injuries patients are often confronted with painful dressing changes. Therefore we usually treat these wounds with materials that can stay on the wound and slowly peel off during re-epithelialization. Since 2013 we started using Dressilk as cost efficient alternative for the treatment of these wounds and compared it to the previously used dressings.

**Methods**

In a prospective intra-individual design we evaluated the wound healing of 50 patients with superficial burn injuries. Hereof 30 patients received both Dressilk and Biobrane and 20 further patients received Dressilk and Suprathel for the treatment of their burn injuries. Following a standardized case report form, we monitored pain, active bleeding, exudation, dressing change and inflammation. Furthermore we evaluated scar quality objectively with the Cutometer, Mexameter and Tewameter as well as subjectively with the patient and observer scar scale (POSAS) and the Vancouver scar scale (VSS).

**Results**



Superficial burn before and after debridement, treatment with Suprathel/Dressilk and result after 12 months

**Conclusion**

All three dressings provided a safe and effective healing environment, with low complication rates in regard to infection and exudation. Hereby Dressilk provided the best cost efficiency. Additionally, no significant differences regarding scarring could be found with an overall pleasing aesthetic outcome.