

# USER SATISFACTION WITH A NEW CONTROLLED NEGATIVE PRESSURE SYSTEM\*

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## Introduction:

Controlled negative pressure therapy is an established treatment option with a broad range of indications. The effects of negative pressure are well described and published. The challenge is to create a system with a high user satisfaction (safety, easy-to-use). In the following evaluation the focus was brought to the consumer satisfaction.



## Materials and Methods

Patients with chronic wounds (moderate to heavy exudation) have been included. The following treatment was used: After cleansing and, if necessary, surgical debridement one layer of an antimicrobial gauze\*\* was applied, a silicon wound drain was brought on this layer, the depth of the wound was filled up with more layers of the gauze\*\* and the dressing was occluded with a film dressing\*\*\*. Dressing change depending on the local needs after 2-7 days. At the end of the treatment period a questionnaire was answered by the nursing staff.



The wound should be cleaned carefully according to applicable clinical standards.



Place a first layer of the antimicrobial dressing\*\* on the wound bed. If necessary, pack the wound cavity or wound pocket loosely with the wound filler\*\*.



Place the silicone wound drain in the largest expanse of the wound on the first layer of the wound filler. Shorten if required.



Pack the wound with the antimicrobial gauze\*\* up to skinlevel or a little bit higher.



Occlude the entire wound with a film dressing\*\*\*. Use an overlapping or bridging technique to ensure leak tightness.



Save occlusion in 4 steps. Dressing stay up to 7 days possible, depending on the wound situation.

## Results

13 questionnaires have been returned. On a scale from 1 (excellent) to 4 (could be improved) 19 questions had to be answered. Average results are (Fig 1, not all questions were answered by each user):

Flexibility of the antimicrobial wound filler\*\* = 1.09

Stability of wound filler\*\* = 1.17

Need to adapt wound filler\*\* = 1

Bringing in of wound filler\*\* = 1

Compatibility of wound filler\*\* with wound tissue = 1.08

Removal of wound filler\*\* without sticking = 1.17

Removal of wound filler\*\* without linting = 1.38

Drain flexibility = 1.42

In average of all questions (Fig. 2) there was a grading of 1.34 regarding the dressing material and dressing technique.

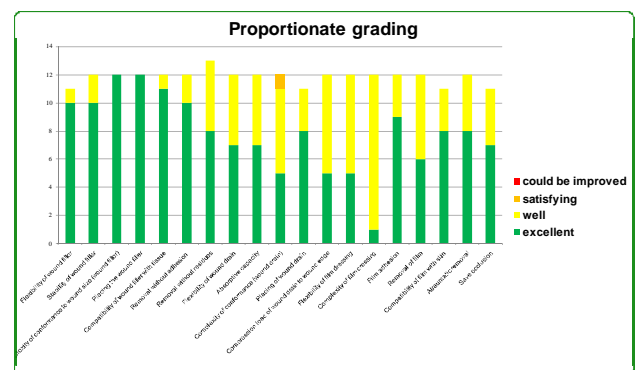


Fig. 1: Proportionate grading

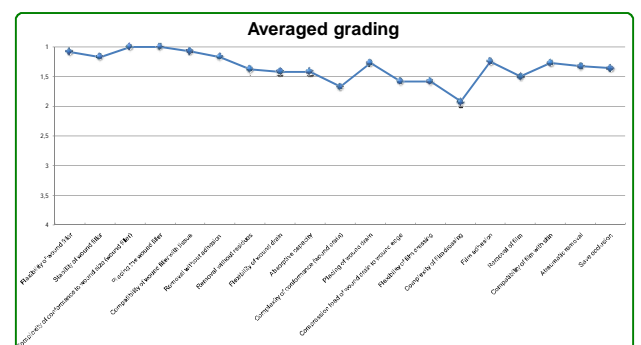


Fig. 2: Averaged grading (sum average 1.34)

## Conclusion

**In the daily practice, this new controlled negative pressure systems is easy to use with a high safety in application.**

19<sup>th</sup> Conference of the European Wound Management Association (EWMA) 20.-22. May 2009, Helsinki, Finland

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

\* Suprasorb® CNP Lohmann & Rauscher

\*\* Kerlix™AMD Covidien

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