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Lomatuell® Pro

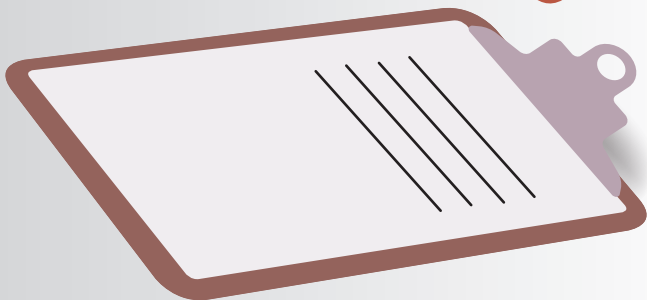
Gel forming wound contact layer

Clinical summary booklet





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Clinical Summary

The key attributes of a wound contact layer

Contact layer dressings are thin, non-adherent sheets placed onto an open wound bed to protect tissue from direct contact with other agents or dressings applied to the wound.

These dressings provide an interface between the wound and the dressing, protecting fragile healing tissue, and preventing new epithelium from sticking to the dressing.

They conform to the shape of the wound and are porous to allow exudate to pass through for absorption by an overlying, secondary dressing (where applicable).

www.woundsource.com

Lomatuell® Pro is proven to demonstrate these properties, whilst delivering good performance

In Vivo studys

Wolber et al, 2014

In this 49 patient case series, clinicians fed back their experiences when using Lomatuell® Pro on a variety of wounds.

Results



■ Usability = good to very good in 93.9% of cases



■ Atraumatic removal = good to very good in 97% of cases



■ Wearing comfort = good to very good in 94% of cases



■ Exudate drainage = good or very good in 96.1% of cases.



Case Study



Prior to initial application of Lomatuell® Pro, the wound had been present for 6 months and treated with an antimicrobial foam. Pain level was 4 on VAS scale with moderate exudate.



The wound has healed 14 days post application of Lomatuell® Pro (under a basic absorbent dressing). The pain level is now 1 on the VAS scale.

Cowan, K. and Burton, M. 2018

In a comparative study of Lomatuell® Pro versus Mepitel®, clinicians rated the performance of the dressings as follows:

Results



- Ease of use good or very good = 100% for both groups
- Conformability good or very good = 100% for both groups
- Ease of removal good or very good = 95% for Lomatuell® Pro/100% for Mepitel®
- Pain upon removal using the VAS Scale = 95% of Lomatuell® Pro users scored 0 / 93.75% of Mepitel® users scored 0



Lomatuell® Pro performed very well when compared against the market leading silicone contact layer with 100% of those who used it wishing to continue its use, or recommending it to others. It is more cost effective and offers other wound healing advantages as it contains a hydrocolloid.

In Vitro studies

Wiegand et al, 2014

This test compared the force necessary to remove different dressings from a wound tissue model. In this study, Lomatuell® Pro did not adhere to the model.

Wiegand et al, 2015

A number of different contact layers were tested for their effect on cell viability (capacity to live), proliferation during wound healing (growth) and their migration (move together) capacity.

Results



- Lomatuell Pro was comparable with the market leading gel forming contact layer, Urgotul. These dressings did not negatively affect cell viability or proliferation. They prevented damage to newly formed tissue and thereby may positively influence wound healing.
- *Conversely, Atrauman® and Hydrotül® noticeably decreased cell viability and proliferation - the scratches remained open.*

Lomatuell® Pro is suitable for use under Negative Pressure Wound Therapy

Wiegand et al, 2017

Lomatuell® Pro was tested under Controlled Negative Pressure in an In vitro study. Cell viability and ingrowth (whether the cells grew into the secondary dressing) was determined.

Results



- Lomatuell® Pro did not negatively affect the cells.
- Fibroblasts (cells which are important in connecting tissue) migrated in the direction of the vacuum.
- The structure of the dressing was not adversely effected.

More than just a contact layer

Lomatuell® Pro supports moist wound healing

The petroleum jelly and hydrocolloid in Lomatuell® Pro contains moisture-retentive and gel-forming properties. This provides advantages over other types of contact layers including:

- Reduction of adherence - traditional tulle dressings have been known to adhere to the wound bed once their paraffin properties have been lost (Watson and Hodgkin, 2005).
- Maintenance of a moist wound environment - treatment of the wound edge and surrounding skin.
- Pain relief - bathing the wound provides a soothing effect.

This facilitates healing.

Weale, G. and Morris, C. (2018)

In this 11 patient evaluation, Lomatuell® Pro was applied to Leg Ulcers following debridement with Debrisoft®.

The clinician noted:

On applying the gel forming wound contact layer, the patient noted immediate pain relief

The gel forming wound contact layer resulted in 100% reduction in pain scores during treatment

100% rated very good or good improvement of the condition of peri-wound skin

Case Study



Prior to initial application of Lomatuell® Pro, 3 days post initial injury



5 days later – notable improvement to the surrounding skin



Day 14 post injury – the wound is well on it's way to healing (combined with 17mmhg compression)

References

Contact Layers. <https://www.woundsource.com/product-category/dressings/contact-layers>. Accessed 09.07.19

Cowan, K. and Burton, M. (2018) *Comparative study of a gel forming wound contact layer with a wound contact layer with Safetac technology in patients who had undergone toe nail avulsion*. Poster presentation at Wounds UK Conference.

Watson, N.F and Hodgkin, W. (2005) *Wound dressings*. Surg 23(2):52–55

Weale, G. and Morris, C. (2018) *A case series report using a gel forming wound contact layer and monofilament fibre debridement technology in the management of chronic wounds*. Presentation at EWMA Conference

Wiegand et al (2014) *Comparison of the adhesion disposition of conventional and modern wound dressings*. Poster presentation at IWWT.

Wiegand et al (2015) *Effect of non-adhering dressings on promotion of fibroblast proliferation and wound healing in vitro*. Poster presentation at Wounds UK Conference.

Wiegand et al (2017) *Application of non-adherent dressings during NPWT in vitro*. Poster presentation at EWMA Conference.

Wolber et al (2014) *International multicentre application study to assess a polyester-tulle primary wound dressing with hydrocolloid particles in terms of usability as well as user and patient satisfaction*. Poster presentation at EWMA Conference.

All full pieces of clinical evidence can be found on our website www.Lohmann-Rauscher.co.uk



Ordering information

Lomatuell® Pro Gel forming wound contact layer

Individually sealed and sterile

Size (cm)	PIP Code	Ref Code	NHS SC Code	Pack contains
5 x 5	393-4361	30870	EKA022	10 singles
10 x 10	393-4379	30871	EKA023	10 singles
10 x 20	393-4387	30872	EKA026	10 singles
10 x 30	393-4395	30873	EKA029	10 singles

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