

A novel transparent wound dressing for easy wound inspection of large surgical wounds

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Introduction:

Large sized post-surgical wounds, like wounds after abdominal or thigh plastics, often show a tendency for wound healing disorders or even wound infection. A regular visual wound inspection is necessary, thus, a dressing change is sometimes needed even daily. This can have a negative impact on the wound and surrounding skin as every dressing change bears a risk for skin damage and penetration of microorganisms. In addition, every dressing change is a stress factor for patients as they are often very painful. Addressing those key factors, a new transparent wound dressing* was applied on large sized post-surgical wounds that allows wound inspection without dressing change.

Methods:

Five large sized surgical wounds were dressed with the new transparent wound dressing* on the first or second day after surgery. The wound and dressing properties were documented until the removal of the dressing.

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Results:

The visual wound inspection of the post-surgical wounds were possible for several days without dressing removal. The new transparent wound dressing* adapted well to the skin and even to frequently moving body parts. The patients were able to shower without impairment and the wound healing process proceeded without disturbances.



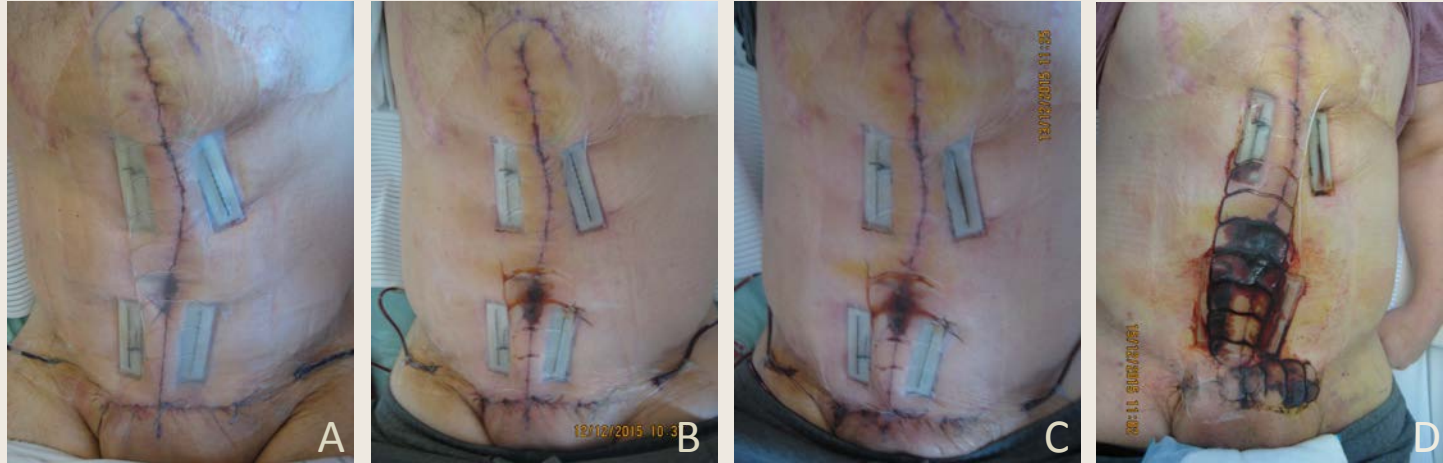
Case Report 1: *Reduction of pendulous abdomen / abdominal plastic, wound length 33cm*

The surgical wound was dressed initially (A) with the new transparent wound dressing*. The dressing allowed visual wound inspection until first dressing change after 4 days (B). Another dressing was left on for additional 4 days without (C) and even after 7 days wound inspection was possible without removal of the dressing (D). The handling of the dressing was very easy and the patient felt comfortable and showered without restrictions.

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Results:



Case Report 2: *abdominal plastic after 60kg weight reduction, wound length 30/12cm*

Product was used immediately post surgery (A) and left on for 4 days at first. Visual wound inspection was easily possible without removal (B, after 3 days; C before dressing change). During wear time of the second dressing bleeding occurred at the lower part of the wound (D) so that dressing needed to be changed after 2 days. Patient was able to shower.

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Case Report 3: Abdominal plastic, wound length 25 cm
Wound was dressed with the transparent dressing* after surgery. Handling was very easy and could even be applied in a slight curve (A). Dressing was left on for 3 days (B) and 5 days respectively. Visual wound inspection was possible at all times and patient showered without problems even with drainages.

Conclusion:

A visual wound inspection was possible for up to seven days without removal of the transparent wound dressing*. This reduces pain and maintains an optimal wound healing environment without disturbances, making the dressing to a perfect option especially for large sized post-surgical wounds.