

# First Aid Dressings: Clinical study on efficacy and local tolerability

## Study title and source:

Assessment of Local Tolerability and Wound Healing Properties of First Aid Dressings in Sensitive, Mature Skin and Diabetics in a Suction Blister Wound Model

\*Kuhlmann M. et al., EADV (European Academy of Dermatology and Venerology) 2011, Lisbon, Portugal

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## Study objective:

To assess the local tolerability and efficacy of first aid dressings to be used in volunteers with sensitive skin in comparison to untreated wounds in a suction blister wound model

## Test dressing/sheet:

- Standard non-sterile, air- and water-permeable first aid dressing (Hansaplast Sensitive)
- Dressing with silver coated polyethylene net wound pad with antiseptic effect (Hansaplast Sensitive with silver technology)
- Untreated control area covered with gauze

## Study design:

Monocentric, investigator-blind, randomised, intra-individual clinical study

## Participants:

32 healthy volunteers with sensitive skin, including 11 diabetics

## Treatment/application:

Superficial, abrasive wounds were induced on each test person's forearms and treatments randomly allocated

## Overall wound healing efficacy of test products as determined by the dermatologist and volunteers healing efficacy

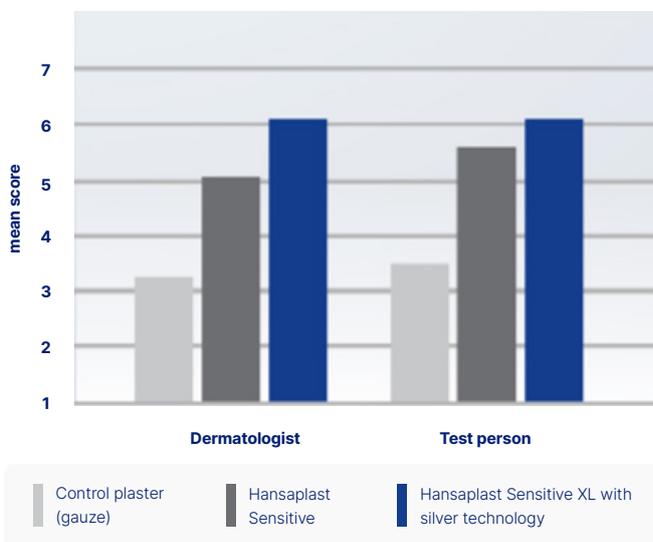


Figure: (Simplified illustration of Fig.5\*): [Results shown as mean score; 7 point scale from fully disagree (score 1) to fully agree (score 7)].

## Results:

Dermatological assessment confirmed the local tolerability of all test products. The wound healing efficacy of test products was superior compared to the untreated control area (gauze) with significant increases in reepithelialisation and significantly lower crust formation.

## Conclusion:

In summary, the local tolerability and wound healing efficacy of the tested first aid dressings and their suitability to be used in persons with challenging skin conditions including diabetics, was confirmed by dermatologists and patients.