**Mode of Action**

The air between the PlasmaDerm® FLEX9060 Spacer and the treatment area is transferred into a direct cold atmospheric plasma.

This cold plasma (di-CAP) combines three therapeutically effective elements:

- Stimulating electrical field
- Activated gas species
- Beneficial UVA and UVB light

**Spectrum of Impact**

- Increases microcirculation\(^1\)
- Kills a wide range of bacteria, incl. MRSA\(^2\)
- Anti-inflammatory\(^3\)
- Stimulates cell proliferation and cell migration\(^4\)
- Increases collagen synthesis\(^5\)
- Improves re-epithelialisation\(^6\)
- Effective in all three stages of wound healing

\(^1\) Kisch T. et al., 2016 | \(^2\) Isbey G. et al., 2010, Daeschlein G. et al., 2012
\(^3\) Arndt S. et al., 2013; Ying Y. et al., 2011 | \(^4\) Arndt S. et al., 2013; Arjunan K. P. et al., 2011
\(^5\) Arndt S. et al., 2013; Ying Y. et al., 2011; Nasruddin N. et al., 2014 | \(^6\) Nasruddin N. et al., 2014

**Indications**

The broad spectrum of impact of PlasmaDerm® protects against infections and chronification and optimises state-of-the-art wound treatment:

- Pre- and postoperative wound treatment
- Badly healing wounds, e.g. surgery wounds, infected wounds
- Diabetic foot syndrome
- Decubitus
- Ulcus cruris (arterial, venous, mixed)

**Therapy**

- Time saving application (only 90 seconds) on a big surface in a one-step treatment
- Applied when changing dressings
- Possible to combine with all wound dressings and irrigation solutions
- Easy to integrate in the hospital routine and nursing

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PlasmaDerm® supports wound healing, increases microcirculation and reduces significant germ.

**Supports Wound Healing**

Increased microcirculation and significant germ reduction
Operating and Handheld Unit

- Easy to use
- One-button operation
- Mobile and portable use

FLEX9060 Spacer

- Single, sterile packaging
- No cross contamination
- Flexible surface
- Optimal adaptation
- Skin-friendly

Instructions

Easy to use: Unpack the PlasmaDerm® FLEX9060 Spacer and attach it to the handheld unit, place the Spacer on the area of skin to be treated, then start the 90-second treatment pressing the one-button operation.

Hyperspectral Analysis

Treatment with PlasmaDerm® improves the oxygen saturation significantly.

Hyperspectral image after 2 applications

Increase of oxygen saturation after 1 and 2 treatments:

PlasmaDerm®

Optimises modern wound therapy in a simple and effective way

The PlasmaDerm® patented di-CAP technology for the first time combines synergistically multiple well described and therapeutically known effects.

PlasmaDerm® improves the oxygen saturation of wounds via an increased microcirculation and reduces germs significantly.

PlasmaDerm® can be optimally integrated during the change of wound dressings and the one-button operation enables an unproblematic and time saving treatment of big surfaces in one go.

Contact

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