HydroClean® plus
Hydro-Responsive Wound Dressing (HRWD™)

Rapid wound debridement
Fast. Simple. Effective

New
HydroClean® plus mini
Especially designed for small and cavity wounds

HARTMANN
HydroClean® plus provides Physical Autolytic debridement: with the attributes of Autolytic and the benefits of Mechanical debridement.

**Autolytic**
- Slow
- No damage to healthy tissue
- Suitable for painful wounds
- Suitable for thick, tenacious slough or hard necrotic wounds
- Generalist**

**Mechanical**
- Fast
- Simple to use: self care
- Generalist**


*compared to baseline

**no special expertise needed
HydroClean® plus
- providing rapid debridement with reduced pain during wear time. [2-4]

- Up to 69% removal of necrosis and devitalised tissue* [1]
- Facilitates autolytic debridement
- Exudate control
- 92% of clinicians rated it good or excellent at exudate management control[1]

- Significantly reduces bacterial load[2,3,4] and disrupts biofilm[8]
- Infection management

- More than 3 in 4 patients experienced no pain during wear time[1]
- Nearly 50% of patients who did experience pain, reported a significant improvement[1]

- Fast
- Simple
- Effective
- Cost effective

- Approximately 21% vs honey, 98% vs larval
- 30% savings vs mechanical debridement[1]

- Cost savings instead of standard treatment, including amputation is about 93.5%[7]

- One product instead of many:
  Cleanses, debrides, desloughs[2,3,9-14]
  Simple

*within 14 days compared to baseline
**HydroClean® plus** can be used on a variety of acute and chronic wounds where debridement and moist wound healing are needed.

### Patient Case study:

**Start of treatment**

**Day 1**

- 86 year old male patient.
- Amputation of 5th toe (right) due to infection and necrosis.
- Initiation of treatment with **HydroClean® plus mini**.

**Continued treatment**

**Day 10**

- Well defined wound edges with little signs of inflammation, moderate presence of slough and fibrin.
- Wound dressed with **HydroClean® plus mini**.

**End of treatment with HydroClean® plus mini**

**Day 14**

- Progress of granulation tissue formation.
- The wound bed was sufficiently prepared.
- Treatment was continued according to local protocol.

HydroClean® Plus donates additional moisture to the wound bed to facilitate debridement. Epithelial cells swell and change the colour of skin (whitish layer), but no skin/tissue breakdown occurs.
Where to apply HydroClean® plus

Can be used on the majority of acute and chronic wounds, including but not limited to:

- Pressure ulcers, leg ulcers (venous, arterial)
- Diabetic Foot Ulcers (DFUs)
- Acute wounds
- Surgical wounds
- Burns
- Donor sites
- Malignant wounds
- Traumatic wounds / Abrasions
- Fungating wounds

NEW HydroClean® plus mini should be used for small and cavity wounds such as:

- Venous Leg Ulcers (VLUs)
- Diabetic Foot Ulcers (DFUs) on toes, at the metatarsal and ankle
- Other small or cavity wounds where clinically appropriate

How to fixate HydroClean® plus

- For superficial wounds
  Use a secondary dressing of your choice i.e film / foam to fixate and cover the HydroClean® plus directly.

- For deeper wounds
  Gently fill the wound bed with HydroClean® plus mini/cavity and cover the wound with a HydroClean® plus. Use a secondary dressing of your choice e.g. Hydrofilm® to fixate the dressing.

- For wounds with moderate exudate
  Cover HydroClean® plus with Zetuvit® Plus and fixate.

Adhesive fixation

Hydrofilm® adhesive film dressing

Hydrofilm® is a self-adhesive transparent film dressing made of polyurethane film that can be perfectly used to fix wound dressing like HydroClean® plus.

1. Always ensure the surrounding skin is cleaned and dry. Lift the protective cover 1.
2. Place the exposed adhesive onto Hydro and totally remove the cover 1 while smoothing down the film dressing.
3. Then remove the protective cover 2 and press the adhesive borders onto the skin surrounding HydroClean® plus.
4. Gently remove covers 3 and then 4 using the flap to hang on to and smooth down the film dressing towards the edges.

Suitable for use under compression
**HydroClean® plus**

**Providing rapid wound debridement**

Properties:
Unique debriding mode of action: HydroClean® plus irrigates the wound while absorbing dead tissue, necrosis, bacteria and exudate.

The superabsorbent polymers ensure an optimal absorption of exudate while the Ringer’s solution continuously cleanses and moisturises the wound bed.

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1. Release of Ringer’s solution\[^{11}\]
2. Absorption of necrosis, fibrin, bacteria, wound exudate and debridement of devitalised tissue\[^{3,15-16}\]
3. Ideal wound environment for effective wound healing\[^{10}\]
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