

HydroClean[®] plus

Hydro-Responsive Wound Dressing (HRWD[™])

New

HydroClean[®] plus mini
*Especially designed
for small and cavity
wounds*

Rapid wound debridement
Fast. Simple. Effective

HARTMANN



Debridement

Which method do you choose?

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



up to
69%
reduction of necrosis
and devitalised tissue
within 14 days*¹

Autolytic

Slow

Risk of allergic reactions to ingredients

No damage to healthy tissue

Suitable for painful wounds

Suitable for thick, tenacious slough or hard necrotic wounds

Generalist**

Fast

Simple to use: self care

Generalist**

Mechanical

Not efficient on thick, tenacious slough or hard necrosis

Not suitable for painful wounds

Risk of damage to healthy tissue

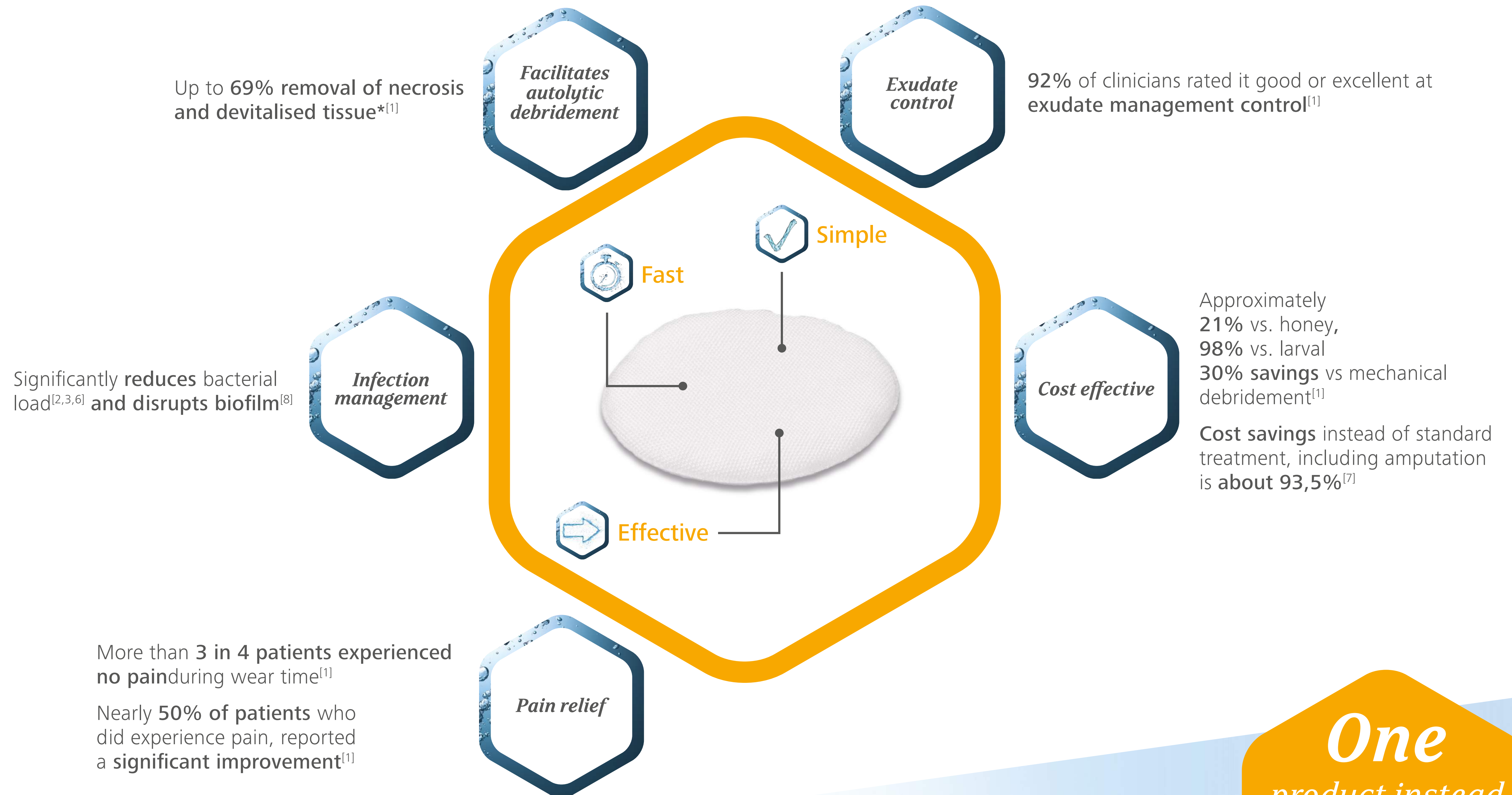
Strohal, R., Apelqvist, J., Dissemond, J. et al. EWMA Document: Debridement. J Wound Care. 2013; 22 (Suppl. 1): S1–S52.

*compared to baseline

**no special expertise needed

HydroClean® plus

- providing rapid debridement with reduced pain during wear time.^[2-4]

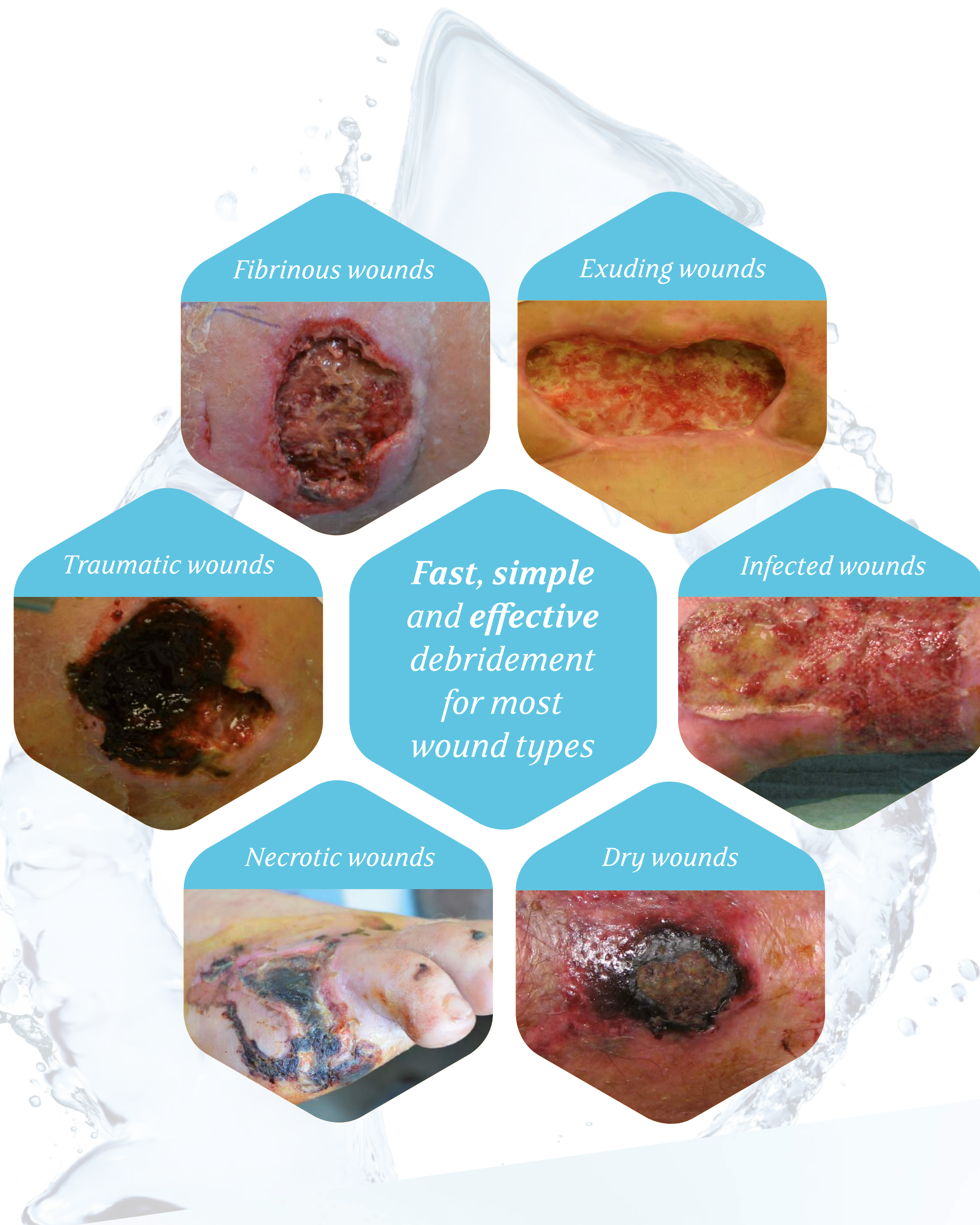


One
product instead of many:
Cleanses, debrides, desloughs^[2,3, 9-14]
Simple

*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.



Suitable for wounds with low/no exudate



to moderate exudate

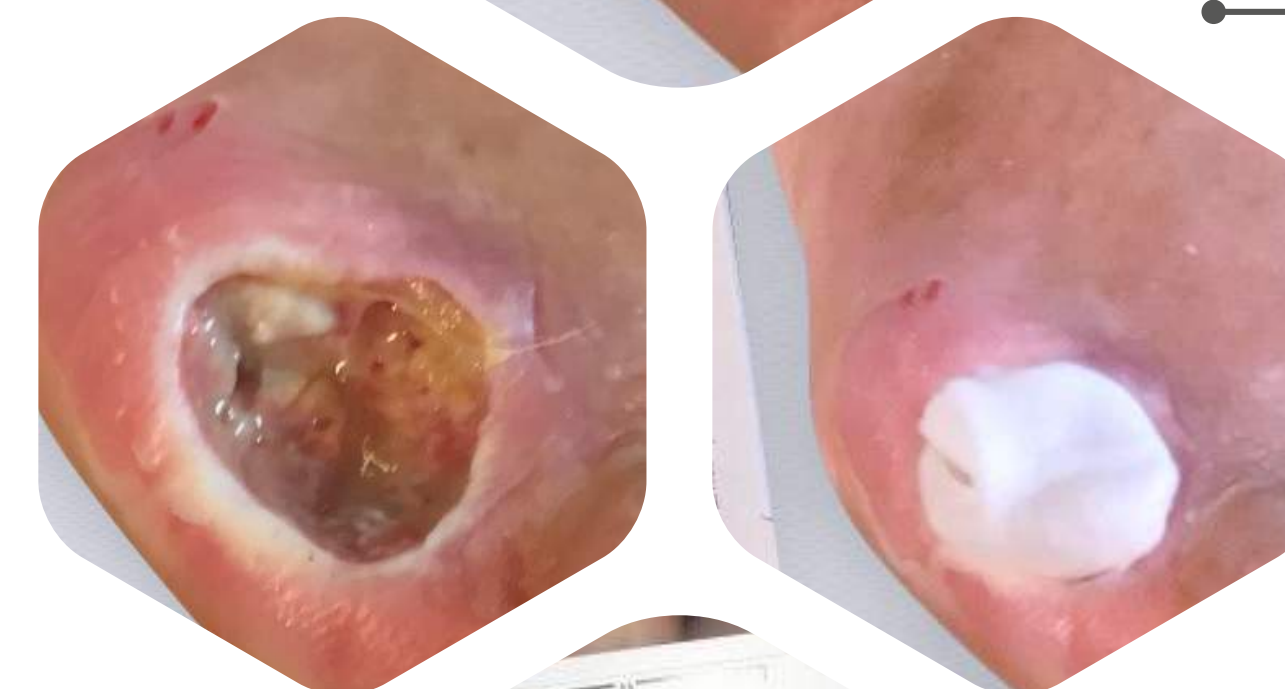


Patient Case study:



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.

Suitable for use under compression



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 HydroClean® plus 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.

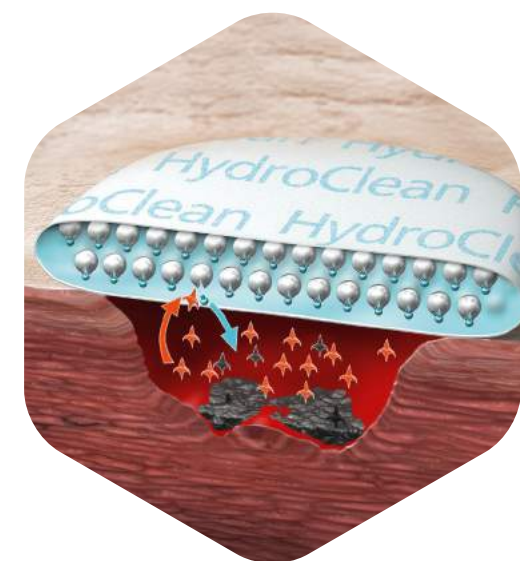
HydroClean® plus

Providing rapid wound debridement

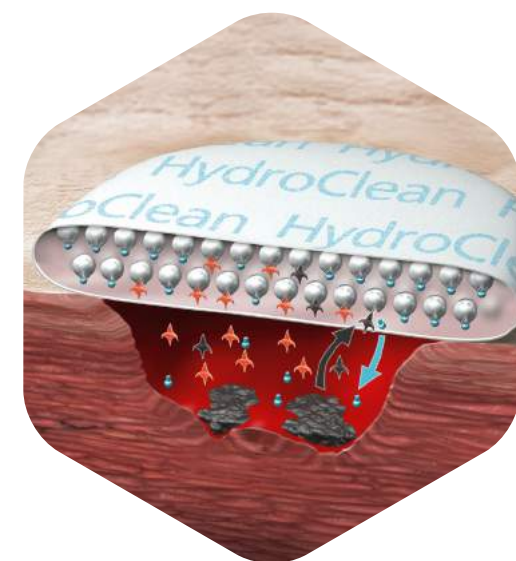
Properties:

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

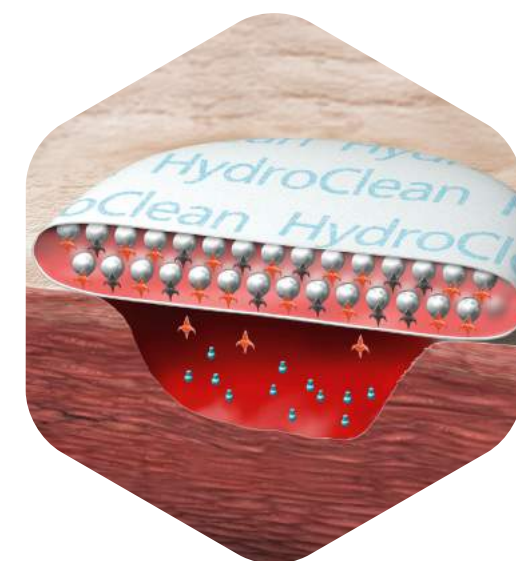
The superabsorbent polymers ensure an optimal absorption of exudate while the Ringer's solution continuously cleanses and moisturises the wound bed.



1. Release of Ringer's solution^[15]



2. Absorption of necrosis, fibrin, bacteria, wound exudate and debridement of devitalised tissue^[3,15-16]



3. Ideal wound environment for effective wound healing^[5]



HydroClean® plus

Product overview

Type	Dimensions	NPC Code	PIP Code
HydroClean® plus	4cm round	ELZ871	401 1540
HydroClean® plus	5.5cm round	ELZ872	401 1557
HydroClean® plus	7.5 x 7.5cm	ELZ873	401 1565
HydroClean® plus	10 x 10cm	ELZ874	401 1573
HydroClean® plus mini	3cm round	ELZ977	401 5581
HydroClean® plus Cavity	4cm round	ELZ869	401 1581
HydroClean® plus Cavity	7.5 x 7.5cm	ELZ870	401 1599

HydroClean® plus



4cm round



5.5cm round

HydroClean® plus mini



3cm round



7.5 x 7.5cm



10 x 10cm



[1] Hodgson, H. et al. (2017). A multicentre, clinical evaluation of a hydro-responsive wound dressing: the Glasgow experience. *Journal of Wound Care* 26(11), pp. 643-650. [2] Atkin, L. and Ousey, K. (2016). Wound bed preparation: A novel approach using HydroTherapy. *British Journal of Community Nursing* 21 (Suppl. 12), pp. S23-S28. [3] Ousey, K. et al.(2016). HydroTherapy Made Easy. *Wounds UK* 12(4). [4] Colegrave, M. et al. (2016). The effect of Ringer's solution within a dressing to elicit pain relief. *Journal of Wound Care* 25(4), pp. 184-190. [5] Humbert, P. et al. (2014). Protease-modulating polyacrylate based hydrogel stimulates wound bed preparation in venous leg ulcers – a randomized controlled trial. *Journal of the European Academy of Dermatology and Venereology* 28(12),pp. 1742-1750. [6] Kaspar, D. et al. (2008). Efficacité clinique du pansement irrigo-absorbant HydroClean® active contenant du polyacrylate superabsorbant dans le traitement des plaies chroniques – étude observationnelle conduite sur 221 patients. *Journal des Plaies et Cicatrisations* 13(63), pp. 21-24. [7] Cooke, M. et al. (2017). Enabling wound healing and preventing limb amputation: a cost-benefit case study of Hydro-Responsive Wound Dressings. *Journal of Wound Care* 13(4), pp. 80-91. [8] Davies L. et al. (2017). An Assessment of Biofilm Disruption and Bacteriostatic Capabilities of an Autolytic Debridement Dressing. *Wounds UK Annual Conference*. Harrogate, 13-15 November, 2017 [9] Smola, H. (2016). Simplified treatment options require high-performance dressings – from molecular mechanisms to intelligent dressing choices. *EWMA 2016*. Bremen, 11-13 May, 2016. [10] Ousey, K. et al. (2016). Hydro-Responsive Wound Dressings simplify T.I.M.E. wound management framework. *British Journal of Community Nursing* 21 (Suppl. 12), pp. S39-S49. [11] Spruce,P. et al. (2016). Introducing HydroClean® plus for wound-bed preparation: a case series. *Wounds International* 7(1), pp. 26-32. [12] Ousey, K. et al. (2016). HydroClean® plus: a new perspective to wound cleansing and debridement. *Wounds UK* 12(1), pp. 94-104. [13] Atkin, L. and Rippon, M. (2016). Autolysis: mechanisms of action in the removal of devitalised tissue. *British Journal of Nursing* 25(20), pp. S40-S47. [14] Kaspar, D. et al. (2015). Economic benefit of a polyacrylate-based hydrogel compared to an amorphous hydrogel in wound bed preparation of venous leg ulcers. *Chronic Wound Care Management and Research* 2, pp. 63-70. [15] Knestele, M (2004). The treatment of problematic wounds with HydroClean plus – tried and tested over many years in clinical practice. HARTMANN Data on file [16] Kaspar, D. (2011). Therapeutic effectiveness, compatibility and handling in the daily routine of hospitals or physicians's practices. HARTMANN Data on file: Hydro-Responsive Wound Dressing (HRWD) and AquaClear Technology are trademarks of HARTMANN.



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Going further
for health