

HydroClean[®] plus

Real Life Evidence of a
Hydro-Responsive Wound
Dressing for Wound Bed
Preparation

The Glasgow Experience

A Multi-centre, One Hundred Patient Clinical Evaluation
of a Hydro-Responsive Wound Dressing

Part of
HydroTherapy
Simple and effective ^[2,3,4,6]

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HydroClean[®] plus – We are all in this together

For 200 years HARTMANN has worked in partnership with Health Care Professionals (HCPs) to find the most effective, simple and convenient wound treatment solutions, that benefit both HCPs and patients. One of the outcomes of the LINK Network is The Glasgow Experience.



LINK

Learn. Inform. Network. Knowledge.

Design: Non-comparative multi-center evaluation

Number of Patients: 100

Types of Wounds: 54.9% Chronic Wounds,
31.5% Acute Wounds,
13.5% Other Types of Wounds

Location: Glasgow and Clyde Regions, UK

Objective:

Assess the effectiveness of a Hydro-Responsive Wound Dressing (HRWD[™]) in debridement and wound bed preparation.



Promote autolytic debridement:

More than 90% of the clinicians reported that the **removal of devitalized tissue had been achieved.**^[1]

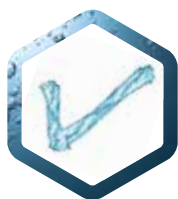
Devitalized tissue (necrosis and slough) **reduced by 69%** accompanied with an **increase** in wound bed **granulation tissue of over 280%***^[1]



Reduce pain:

More than **3 in 4 (76.1%) patients experienced no pain** during wear time.^[1]

Nearly 50% of **patients** who did experience pain **reported a significant improvement.**^[1]



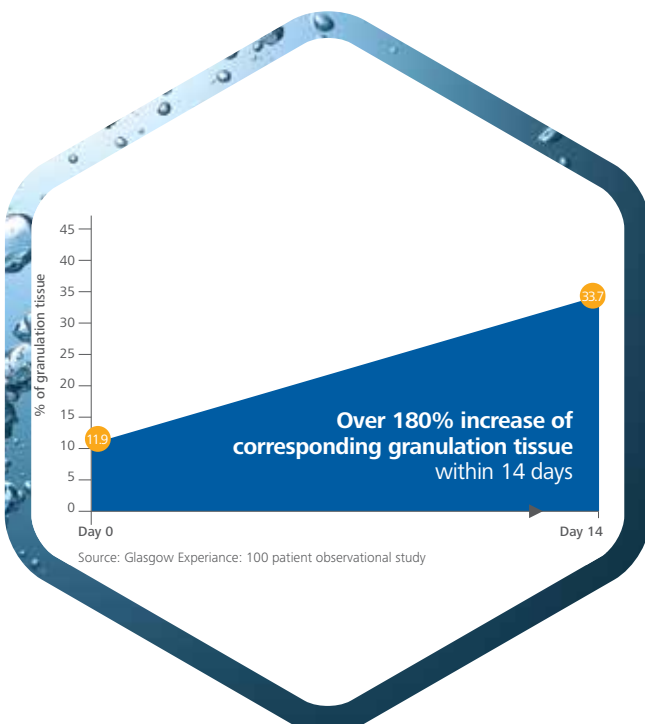
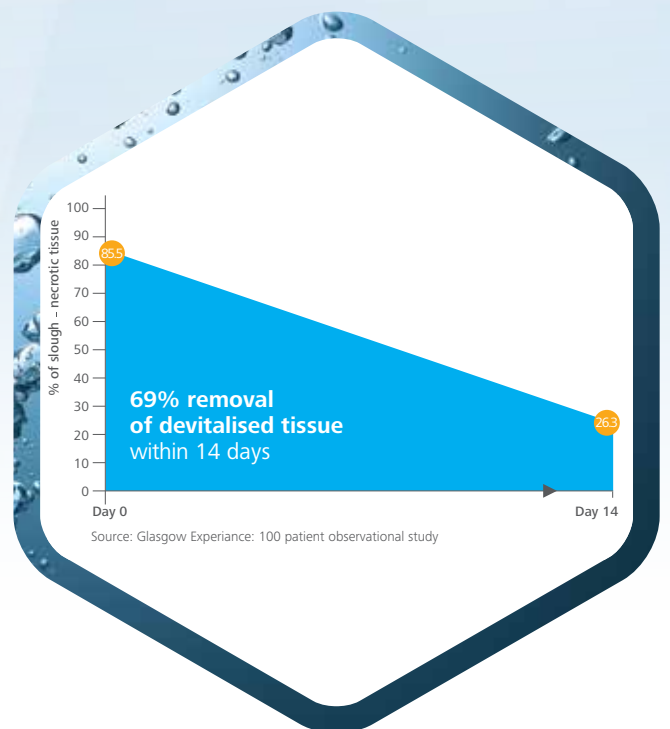
Cost-effective:

Savings per patient by using HRWD vs. honey (A), larvae (B) and mechanical debridement (C) were approximately **21%** (A), **98%** (B) and **30%** (C).^[1]

*within 14 days compared to baseline

HydroClean® plus – Hydro-Responsive Wound Dressing (HRWD™) with a unique Rinsing-Absorption Mechanism

Fast:
Up to 69% removal of devitalized tissue within 14 days*^[1]



Simple

1 product instead of many: cleanses, debrides and desloughs wounds, absorbs exudate, binds bacteria^[2-10]

Effective

Effective wound cleansing^[2-5] and **rapid debridement**,^[2,4,6] **reduced pain** during wear time^[4-6], **significant reduction of bacterial load**^[2,6,19] and **biofilm**^[20]

*within 14 days compared to baseline



Going further
for health

93% of the investigated chronic wounds demonstrated wound progression upon treatment with a HRWD™ [1]



[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). Hydro-Responsive Wound Dressings simplify T.I.M.E. wound management framework. *British Journal of Community Nursing* 21 (Suppl. 12), pp. S39–S49. [4] Spruce, P. et al. (2016). Introducing HydroClean® plus for wound-bed preparation: a case series. *Wounds International* 7(1), pp. 26–32. [5] Ousey, K. et al. (2016). HydroClean® plus: a new perspective to wound cleansing and debridement. *Wounds UK* 12(1), pp. 94–104. [6] Ousey, K. et al. (2016). HydroTherapy Made Easy. *Wounds UK* 12(4). [7] 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. [8] Smola, H. (2016). Simplified treatment options require high-performance dressings – from molecular mechanisms to intelligent dressing choices. EWMA 2016. Bremen, 11–13 May, 2016. [9] 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. [10] 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. [11] Bullough, L. et al. (2016). A multi-centre 15 patient evaluation of a Hydro-Responsive Wound Dressing (HRWD) – HydroClean plus. *HydroTherapy Symposium: A New Perspective on Wound Cleansing, Debridement and Healing*. London, 3 March, 2016. [12] Scherer, R. et al. (2015). *HydroTherapy®*. Application study. Heidenheim: Paul Hartmann AG. [Data on file]. [13] Chadwick, P. and Haycocks, S. (2016). The use of Hydro-Responsive Wound Dressing for wound bed preparation in patients with diabetes. *Wounds UK Annual Conference*. Harrogate, 14–16 November, 2016. [14] Knowles, D. et al. (2016). *HydroTherapy®* wound healing of a post amputation site. *Wounds UK Annual Conference*. Harrogate, 14–16 November, 2016. [15] Zollinger, C. et al. (2014). *HydroTherapy®*. Application Study. Heidenheim: Paul Hartmann AG. [Data on file]. [16] 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. [17] O’Brien, D. and Clarke, Z. (2016). The patient experience with a Hydro-Responsive Wound Dressing (HRWD) – HydroClean® plus. *HydroTherapy Symposium: A New Perspective on Wound Cleansing, Debridement and Healing*. London, 3 March, 2016. [18] Jones, T. and McCracken, K. (2016). HydroClean® plus assists healing of leg ulcers for a patient with systemic lupus erythematosus. *Wounds UK Annual Conference*. Harrogate, 14–16 November, 2016. [19] 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. [20] 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.

Additional references: Effective wound cleansing: 7, 9 Rapid debridement: 11-15 Reduced pain during wear time: 11, 12, 14-18

PAUL HARTMANN LIMITED

Heywood Distribution Park,
Pilsworth Road,
Heywood, OL10 2TT
Tel: 01706 363200
Fax: 01706 363201
info@hartmann.info

www.hydrotherapyuk.co.uk