

HYDROCLEAN® THE SIMPLE WAY TO DEBRIDE

6 MAY 2021

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DAWN STEVENS

LUNCHTIME 13:00 - 13:45

What will we look at today

- Why debride
- What is HydroClean[®]
- How does it work
- Clinical examples
- How can we support you





Wound debridement

'The removal of devitalised tissue and the cornerstone of wound care' (Atkin et al, 2016)

'The removal of dead, non-viable or devitalised tissue, infected or foreign material from the wound bed or surrounding skin' (Price, 2013)





Why debride?

- Devitalised tissue contains:
 - Wound debris
 - Dead and senescent cells
 - Neutrophils and macrophages
- Is warm and often moist providing the ideal environment for bacterial proliferation
- Can mask the depth of the wound
- May delay healing
- Can be malodourous and unpleasant for the patient







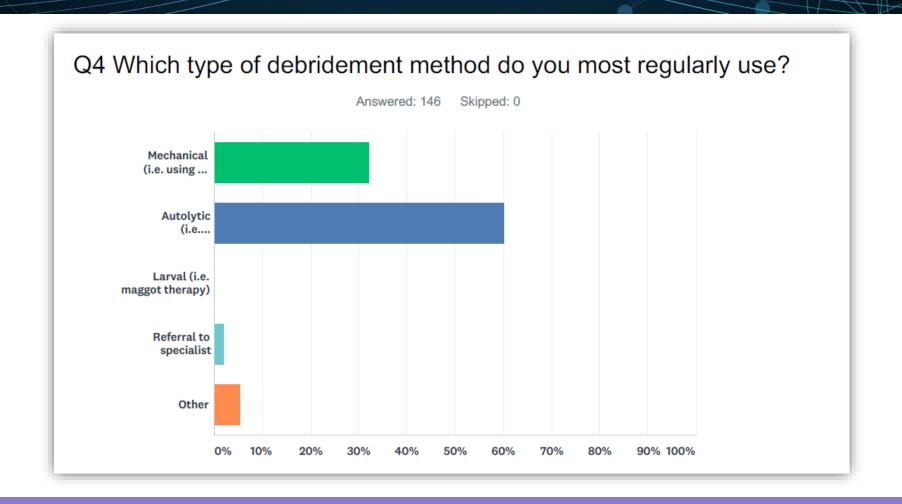
Factors influencing debridement decisions

Systemic	Holistic	Local
Peripheral vascular disease	Patient ability to manage an open wound	Dry necrosis or ulceration on the foot or toes
Diabetic ischaemia	Concordance	Blue purple discolouration of the foot
Stroke		Faint or monophasic pulses
Ischaemic heart disease		Shiny hairless skin





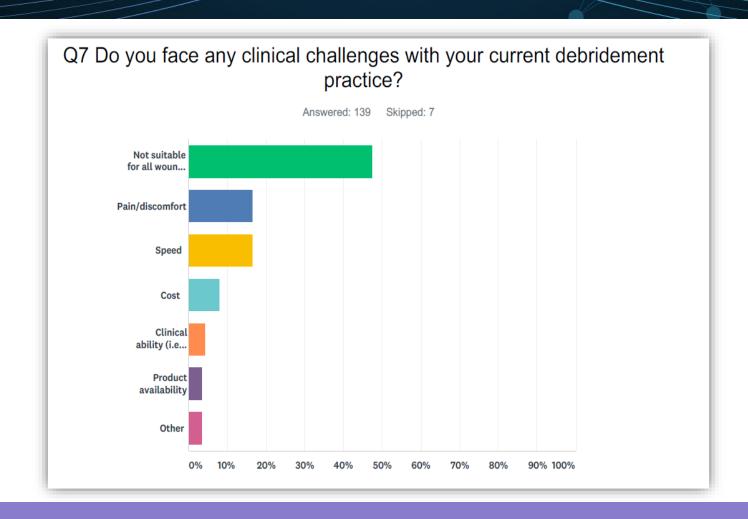
Question time







Question time







Introducing HydroClean®

A dressing to support you with:

- Effective wound bed preparation without additional pain^{1–7}
- Providing the benefits of autolytic debridement
- Contributes to wound infection management through physical mechanisms of action
- Reduces bacterial load and biofilm 4, 8–11
- Supports the granulation process by inactivating excess matrix metalloproteinases (MMPs)¹²
- Simple to use, easy application and removal: does not adhere to the wound⁹

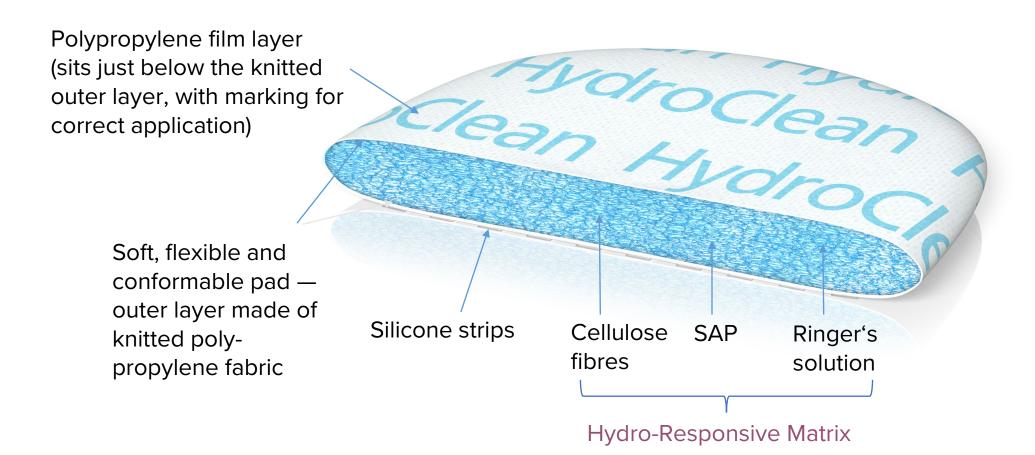


Rapid wound debridement Fast. Simple. Effective





What is HydroClean®

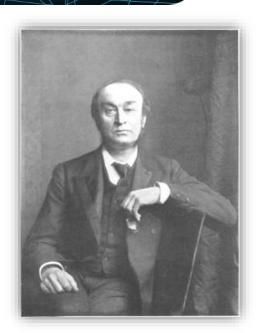






Have you heard about Ringer's solution?

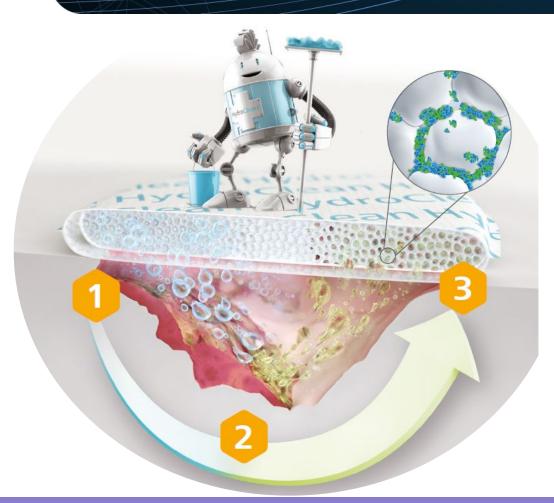
- Sydney Ringer 1880s
- Ringer's solution is a solution containing several salts sodium chloride, potassium chloride, calcium chloride and sodium bicarbonate — dissolved in water
- Ringer's solution is specially formulated to create an isotonic solution relative to body fluids at a physiological pH
- Used to transport transplant organs
- Cytoprotective cleanses the wound without causing damage to fibroblasts and myofibroblasts, which are key cells during the granulation and tissue remodelling phases







How HydroCleane's unique rinsing-absorption mechanism works



Provides automatic rinsing and absorption in one dressing ^{2,4,7,12–14}

1. HydroClean® continuously releases

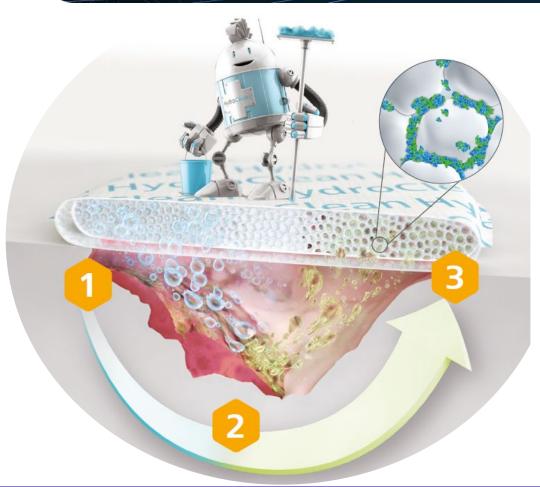
Ringer's solution facilitating autolysis of devitalised tissue.

2. HydroClean[®] removes fibrin and necrotic tissue within which bacteria may reside, and absorbs it into the dressing.¹¹





How HydroClean®'s unique rinsing-absorption mechanism works



- 3. Bacteria and debris are locked-in irreversibly by SAP inside the dressing core.
- 4. Cleanses the wound bed.





HydroClean®: proven efficacy in daily practice

Removal of necrosis and devitalized tissue within 14 days



Rippon M (2017) A multicentre, clinical evaluation of a hydro-responsive wound dressing: the Glasgow experience. *J Wound Care* **26(11)**: 642–50

Non-comparative evaluation of acute and chronic wounds that required debridement as part of their normal treatment regimen

Before treatment:

 Level of necrosis/slough in the wound bed was significant with an overall mean coverage of devitalised tissue of 85.5%

After:

 Level of devitalised tissue decreased within 14 days to an overall mean coverage of 26.3%, a relative reduction of nearly 69% with many wounds achieving total removal





Rapid wound debridement

- Treatment commenced with HydroClean®
- Post treatment of four weeks HydroClean® plus applied every three days









Case study.

Background

- 64-year-old lady with bilateral leg ulcers, which she had had for six weeks
- History included obesity, lymphoedema and rheumatoid arthritis
- Referred to the wound care specialist by her community nurses as her wounds were not progressing and her pain levels were extremely high



Week S (2019) Cost effective wound management with Hydro- Responsive Wound dressings from a patient, clinician and NHS perspective, Poster presentation, Wound Care Today conference





Case study continued

Method

- Following a full holistic assessment, including pain, dressing was changed to a Hydro-Responsive wound dressing (HRWD ®). The secondary dressings and supportive bandage remained the same
- The main objective was to reduce pain and debride the wound, which was 100% slough on first application
- Autolytic debridement was the chosen modality for this lady due to her pain





Case study continued

Results

 Fast debridement for this lady using this dressing without the use of mechanical or sharp debridement, reducing her pain levels on dressing removal and during wear time

Date	Pain on wear time VAS Scale ^s 1 minimal – 10 high	length	width	Exudate level	Infection Status	Slough %	Granulation %	Epithelial %
13.11.17	1st application, previous treatment 6	6.62cm	8.76cm	medium	infected	100%	nil	nil
15.11.17	1	6.7cm	6.66cm	low	infected	90%	10%	nil
17.11.17	1	6.34cm	6.93cm	low		90%	10%	nil
20.11.17	1	7.45cm	7.69cm	low	nil	85%	15%	nil
24.11.17	1	6.89cm	7.8cm	low	nil	80%	20%	nil
27.11.17	1	6.89cm	7.8cm	low	nil	80%	20%	nil
1.12.17	1	7.06cm	7.18cm	low	nil	70%	20%	10%
5.12.17	1	9.12cm	7.04cm	low	nil	15%	75%	10%
8.12.17	1	7.73cm	6.98cm	low	nil	17%	68%	15%





27.11.17

05.12.17





Case study continued

Results

- Speed of debridement and the consequence of wound improvement had an impact on the patient's QoL and by Christmas her ulcers were healed, and she left the clinic wearing hosiery
- Comparing to previous treatment, this proved cost-effective in nursing time and improved patient quality of life

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05.12.17





Cost effectiveness

- Using data from this evaluation, a simple cost analysis was completed, comparing costs of treatment before starting the HRWD®
- There were savings made in nursing time and dressings used

Cost comparison for 10 weeks - HydroClean® plus vs previous dressing treatment pathway							
	No Appointments	Nurse Time Cost	Overall Cost				
HydroClean® plus 10wk care pathway	21	10.5	£562.38	£462.00	£1,024.38		
Previous dressing 10wk care pathway	30	15	£813.00	£660.00	£1,473.00		





Indications

- HydroClean® can be used on the majority of acute and chronic wounds wounds where moist wound healing is appropriate
- HydroClean® is indicated for wounds that are dry, to wounds with moderate levels of exudate, whether infection is present or not.
- Pressure ulcers
- Leg ulcers (venous, arterial)
- Diabetic foot ulcers
- Acute wounds
- Surgical wounds
- Burns

- Donor sites
- Malignant wounds
- Traumatic wounds
- Abrasions (e.g., road rash)
- Infected wounds
- Fungating wounds









Simple to use

- HydroClean® is easy to apply and remove because it is thin and light. The dressing can stay on the wound for up to 3 days (depending on wound condition)
- Suitable to treat dry as well as exuding wounds
- HydroClean[®] is flexible and fits perfectly to round body parts
- One piece application and removal HydroClean® is always placed with the label on top
- Can be implemented into current debridement regime where difficulties with current offering arise
- Covered by secondary dressing of choice depending on levels of exudate









Ordering

Product overview

Туре	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





Any Questions?

- Want to learn more?
- We are here to help you:

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HARTMANN UKI Healthcare Professionals



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