

# Complete Line of products



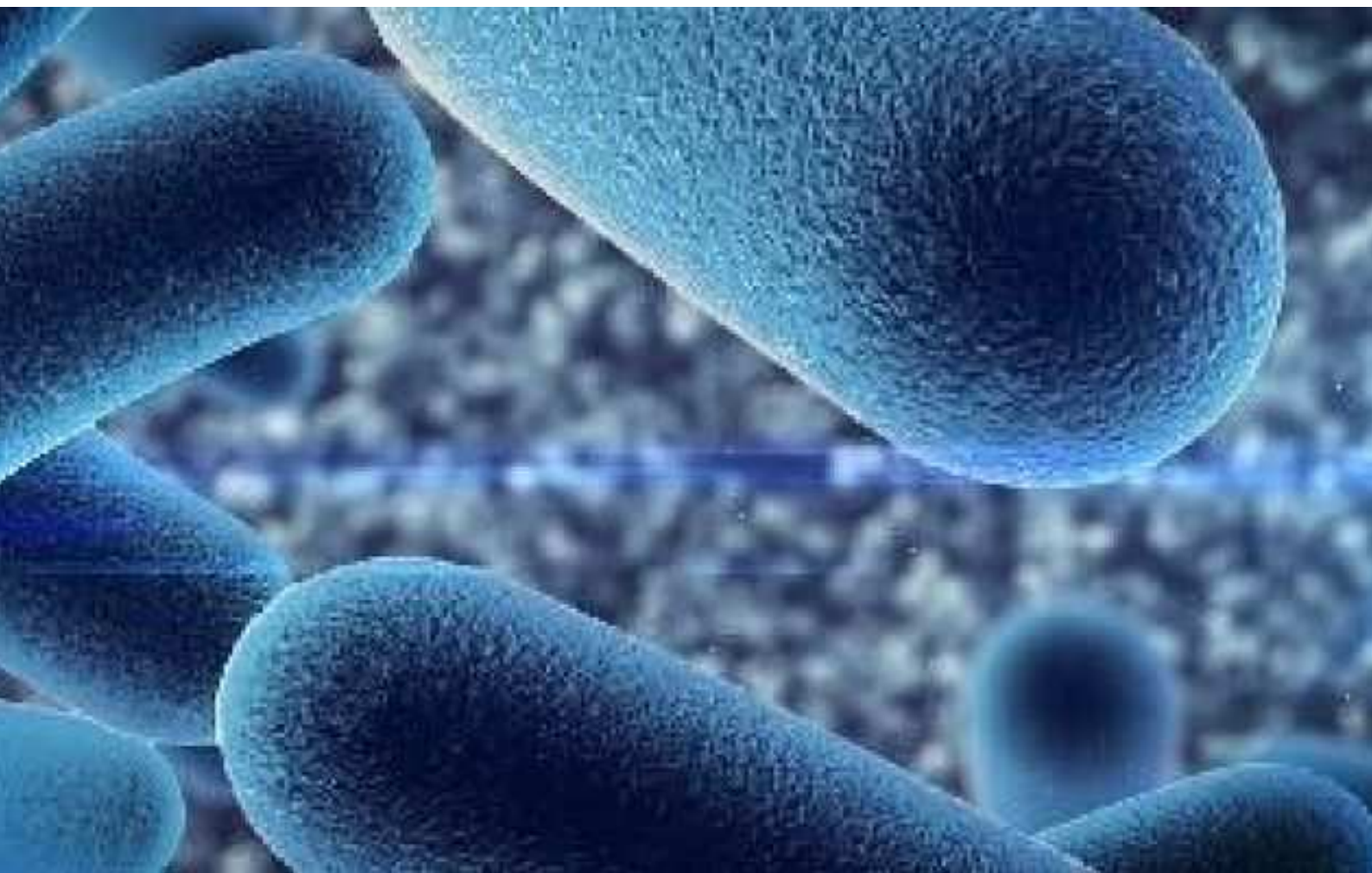
For Chronic wounds and skin Care





## **1- Chronic Wound Bed preparation Products**

# Restoring Balance in Chronic Wounds



## Understanding the Wound Preparation Management

# Products for Restoring the Chronic wound Balance are :

**EZ Debride** >>>



**PERILAV JET LAVAGE SYSTEM**



# How It Works



Wounds cannot be tended to in isolation--many patient factors will influence healing. The nurse needs to have an understanding of the process of wound healing and have undertaken a full patient assessment before focusing on the patient's wound. Recognising and managing problems at the wound bed, for example necrotic tissue and excess exudate, can result in a better prepared wound bed and optimal healing.



If the concept is to be valuable to nurses, they need to be part of the debate that defines wound bed preparation, how it is being implemented in clinical practice and how patients can benefit. This debate needs to include all nurses involved in wound care.

## Understanding the Sharp / Rasping and Non Surgical Debridement using New FDA approved Devices {for different sizes and depth of Chronic wounds }

Debridement describes the removal of necrotic or foreign material from and around a wound to optimise wound healing.

There are many different methods that can be used to debride a wound. They can be broadly classified as surgical/sharp, mechanical, biological, chemical, enzymatic and autolytic. However, evidence supporting one method over another is lacking.

Sharp debridement produces rapid results. It requires a high level of skill and experience and practitioners must have the necessary knowledge and training to complete the task safely and effectively and be able to deal with any complications as they arise.

## The Rasping debridement { EZ debride } is a minimally invasive sharp debridement procedure for small & medium sizes wounds

**EZ Debride's** revolutionary design is a single use, disposable instrument that offers both comfort and precision. Features include cutting flutes, a flexible neck, counter-balanced head and easy to grip handle.



**EZ Debride** >>>

Qualified & trained nurse can use EZ debride in Home care

**Pulsatile Lavage**  
**Non-surgical**  
**debridement for**  
**large size and deep**  
**wounds**



**Mechanical debridement**

**PERILAV JET**  
**LAVAGE SYSTEM**



**STIEHL**™  
Tech™

## **A Novel Approach to Treating** **Hard-to-Heal Wounds**

Hydrotherapy is considered a form of mechanical debridement that is gentle and almost free of pain .  
This form of pulsatile lavage therapy has been successfully used in large sizes and deep wound with bone exposure .  
The wound dimensions decreased significantly in the pulsatile lavage group with a significantly faster rate of healing



The PERILAV kit Comes with innovative enclosure sterile bage , completely cover the wound site, capture fluid and debris, prevent exposure to any aerosolized particles and make clean up easy.  
The bags come in two designs, one for torso wounds and one for extremity wounds and are available with different window sizes and diameters to accommodate any situation.

**Wound**  
**Management**  
**Starts Here**



**Ask for Training ?**

# Wound Irrigation

## The Importance of Acidic pH on Wound Healing Why All the (pH)uss About Microenvironments?



The Wound Microenvironment Every wound or ulcer has factors that influence the wound bed environment and how it reacts. Many of these factors occur at a microscopic level and therefore can be referred to as the wound microenvironment. Inside this microenvironment, factors are at play that influence whether a wound heals or becomes chronically stalled. The microenvironment is critical to healing or delay of wound healing. For example, elements inside the microenvironment determine whether the wound becomes colonized versus critically infected. Those same elements determine whether proteases (i.e. MMPs) create prolonged inflammation and therefore delay wound healing.

Another important consideration is the oxygen level. Is there enough oxygenation? Are we stunting oxygenation or promoting adequate oxygenation to our wound microenvironment? Is our wound microenvironment promoting positive wound healing factors through the pH of the wound or are we allowing wounds to become chronically stalled? These factors are relevant for consideration and these questions are valid when considering influences on the healing process (or lack thereof). As clinicians and nurses, we should be cognizant of these factors or elements, recognize their importance, and understand how to mitigate their existence in favor of a positive outcome.

Chronic wounds are ideal microenvironments for bacterial growth. In fact, bacterial infection is one of the most prevalent causes of poor wound healing. Wound bed bacteria can spread into surrounding tissue, resulting in a localized infection. If that infection is left untreated, the spread of bacteria can result in a systemic infection. The cost associated with wound infections and/or sepsis can be extraordinary. Treating the side effects of antibiotic usage also can be expensive. Research shows that an alkaline pH in the wound bed can contribute to creating an unsuitable environment for healing by encouraging the growth of pathogenic bacteria. In contrast, an acidic wound bed can stunt pathogenic bacteria growth and keep the wound bed microenvironment in check and moving toward the desired healing trajectory. In chronic wounds, an imbalance often exists between how much oxygen the tissue needs to regenerate or heal versus how much oxygen is readily available to help with the task. Inadequate oxygenation can slow the healing process or cause the wound to stall completely. Lack of oxygen also can encourage other types of anoxic bacteria to proliferate in the wound, further damaging or destroying the already suffering microenvironment. An acidic pH can improve the tissue oxygenation, which is an essential condition for successful wound healing.





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wound **CLEANSING** ,  
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# 2- Tissues Matrices Grafting Products





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are on your Side !**



**2023**

Products & Services Brochure

**Ultimate  
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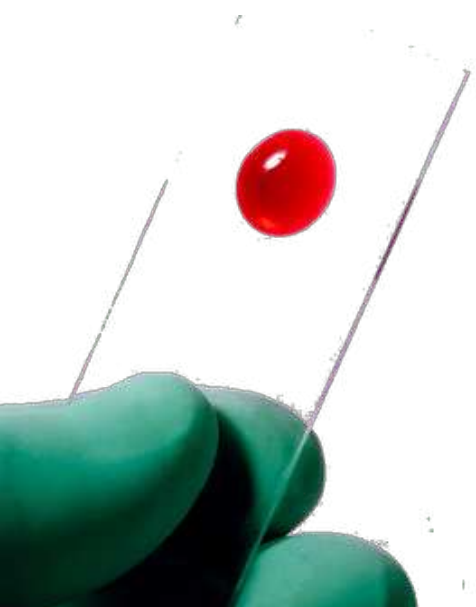
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**TISSUE  
REGENERATION**



## D- SPUN PERSONALIZED TISSUES MATRIX BASED ON NANOFIBER MATS

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## AUTOLOGOUS MATRIX

Read More Please visit <http://dcaremedical.ca/wound-matrix/>

# 3-Wound Oxygenation with { RO }



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