# **Chronic Wounds?**

The Power of Pure Collagen for Fast Healing



# The role of collagen in wound healing



f. Collagen Deposition

### **Decreased Collagen Synthesis**

delayed and the expression

# Are all collagen dressings the same?

## REPAIR

The wound heals by fibrosis and scar formation.<sup>5</sup> The deposition of connective tissue is a key phase to re-establish continuity of the skin.6

Biodegradable scaffolds can promote tissue regeneration and create a "bridge" to connect edges of the wound."



### (5) Reinke JM et al (2012): Eur Surg Res 49:35-43 (6) Krafts PK et al (2010): Organogenesis 6:4, 225-233 (7) Attala A et al (2010): MRS Bull. August 1; 35

### Denatured Collagen/ORC



Triple helix formation lost

Some of the benefits of the collagen can be lost if the collagen is denatured in the manufacturing process.9

Denatured collagen does not interact with the host tissue and cells do not migrate significantly.8

## REGENERATION

Wound healing is reached by repair or regeneration.5

New tissue completely restores damaged parts to their original morphology and functionality.<sup>6</sup>

### **Native Collagen**



**Triple helix formation intact** 

Native collagen provides a natural biodegradable scaffold that allows the migration and anchorage of fibroblast<sup>10</sup> and supports cellular adhesion and growth.<sup>8</sup>



(8) Laghezza V et al. (2017): Poster session – SAWC Spring 2017 (9) Karr JC et al (2011): Adv Skin Wound Care 24: 208-216 (10) Fleck CA et al (2007): Adv Skin Wound Care 20(5):256-259

# OUR SOLUTION

BIOPAD<sup>™</sup> is a primary dressing that can accelerate the closure of hard-to-heal wounds.

- Highest collagen content on the market: up to 5 times the standard amount of collagen.<sup>9</sup>
- ✓ 100% pure collagen: no fillers.
- ✓ Only type I collagen: approximately 70% of collagen in the skin is represented by type I."
- ✓ Native structure: better interaction with the host tissue.<sup>8</sup>



### **HOW IT WORKS**

BIOPAD<sup>™</sup> protects the wound bed from the external environment, acting as a barrier against exogenous infective agents.

Thanks to the high amount of collagen, BIOPAD™ can sacrifice some of its content to feed MMPs and elastase.



**BIOPAD<sup>™</sup> stimulates** the formation of new granulation tissue, the migration and proliferation of fibroblasts, and the deposition of new collagen fibers.

250 mg

Thanks to the porosity, BIOPAD<sup>™</sup> acts like a sponge able to absorb small amounts of exudate.

# PREPARATION



# WHEN TO USE

- Diabetic ulcers
- Venous stasis ulcers
- Pressure ulcers
- Partial and full thickness wounds
- Donor sites and other bleeding surfaces
- Surgical and traumatic wounds



BIOPAD™ is packaged in a transparent waterproof blister pack and is sterilized by gamma irradiation.

2" X 2" - 3 per box | Order Code 132622B 4" X 4" - 1 per box | Order Code 132644B

BIOPAD<sup>™</sup> is covered by Medicare Part B - HCPCS code: A6o21

Contraindications: Do not use on patients with a known hypersensitivity to collagen.



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This document is addressed to HCPs only