CARING FOR WOUNDS E-BOOK SERIES:

Treatment of Hard-to-Heal Wounds with Collagen-Based Dressings
Caring for Wounds

Chronic non-healing wounds represent an enormous problem. An estimated 6 million patients in the U.S. have chronic wounds from various etiologies, representing an estimated annual $20 billion dollar burden on the healthcare system.

BioPad is a 100% equine Type-1 collagen primary wound dressing used to treat hard-to-heal wounds. The BioPad collagen dressing has the highest collagen content on the market up to 5 times the amount of collagen. Its structure provides more real native collagen to “feed” elastase and active MMPs, speeding-up the fibroblast depletion of autologous collagen.

Case studies have shown that BioPad can speed wound healing, even in cases of chronic, non-healing wounds. Using BioPad as the first choice for treatment could help in the prevention of chronic wounds, relieving patient suffering and reducing the impact on the healthcare system.
Facts about BioPad

*BioPad is a powerful enhancer of the wound healing process that is covered by Medicare Part B code: A6021*

- No fillers, just pure collagen to stimulate proliferation of fibroblasts and for formation of granulation tissue.
- Does not break down as quickly as the competitors’ thin dressing, sending more collagen to the wound site.
- Can be used in a hyperbaric chamber, with NPWT and can be used to fill large voids.
- Transforms into a soft gel that allows contact within the entire wound bed.

**INDICATIONS**

- BioPad is indicated for all chronic non-healing wounds that are free of necrotic tissue.
  - Pressure Sores
  - Venous Stasis Ulcers
  - Diabetic Ulcers
  - Partial and Full Thickness Wounds
  - Surgical and Traumatic Wounds
  - Donor Sites and Other Bleeding Surface Wounds
  - Dehisced Surgical Incisions

**CONTRAINDICATIONS**

*Do not use on patients with a known hypersensitivity to collagen.*
First Line Therapy

It is recommended to use BioPad as a first line therapy to minimize the risk of developing a chronic wound, thereby reducing the burden of non-healing wounds on the patients, their families, and the healthcare system.

**Preparation**

1. Prepare the wound bed per the facilities wound care protocol and debride the wound when necessary.

2. Hydrate BioPad with sterile saline if the wound has limited exudate. (BioPad will turn into a gel consistency)

3. If the wound has heavy exudate, rinse out the wound bed with saline prior to application. (Do not hydrate BioPad prior to application)

**Application**

1. Cut BioPad, if necessary, to fit the size of the wound.

2. Apply directly to the wound bed, covering the entire wound; do not overlap the edges of the wound.

3. Apply a secondary dressing per physician protocol to cover the BioPad.

**Reapplication**

1. Depending on the amount of exudate, BioPad can be reapplied every day.

2. If the wound has a small amount of exudate, BioPad can be reapplied every 48 hours.

3. BioPad will absorb into the wound bed over time.
Demonstration of Efficacy

Age of Patient: 53
Wound Location: Left Plantar Great Toe
Age of Wound: 4.5 Years
Co-morbidities: Diabetes, CAD, CHF, CVI
Previous Treatments: SOC, Apligraph, HBO, Endoform
Current Treatments: BioPad

Age of Patient: 82
Wound Location: Left Plantar Heel
Age of Wound: 6 Months
Co-morbidities: Colectomy
Previous Treatments: Debridement, CelluTome, Off Loading, Collagen, Silver Alginate
Current Treatments: BioPad
Demonstration of Efficacy

**Age of Patient:** 48

**Wound Location:** Left Medial Lower Leg

**Age of Wound:** 3.5 Months

**Co-morbidities:** CVI, DVT Left Leg

**Previous Treatments:** Compression, Silver Alginate, Systemic Antibiotics, Xeroform

**Current Treatments:** BioPad

Visit our online case gallery to see more exciting results that BioPad has been bringing patients.

Day 0

Day 28

Area cm²

0.4

0.2

0

0 7 14 21 28

Area

View more cases
Research Results

A Morphological and Biochemical Analysis
Comparative Study of the Collagen Products Biopad, Promogram, Puracol, and Colactive

Conclusion: The BioPad collagen sample exhibited the best structural compromise between the extension of the collagen areas and the thickness of the collagen strands because this collagen product demonstrated to be the only collagen product evaluated that was capable of retaining the same overall structure during exposure to collagenase and at the same time to allow the collagen interlaced matrix to be clearly frayed off. This may be one of the best conditions for sustaining specific interactions for wound healing, as the product will maintain its structural integrity for a longer period, allowing longer interaction of the collagen with the wound. This should allow a greater likelihood of healing the wound.

A Clinical Perspective of BIOPAD

Two studies evaluated the purity and efficacy of BioPad: 1) The preservation of the native structure of the collagen protein in BioPad was verified through electron microscopy and electrophoresis. 2) The efficacy of BioPad was tested on wounds using an animal model where a surface wound was induced.

Read the report here.

See for Yourself

Sign up here for more information and a free BioPad starter kit
Angelini Pharma supports the medical community through education and innovative skin cleansers, disinfectants, hand sanitizers and medical devices. Our core products are electrolytically-produced sodium hypochlorite-based solutions and a 100% pure native equine type I collagen wound dressing for hard-to-heal wounds.