

CARING FOR WOUNDS E-BOOK SERIES:

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

WC

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.



An estimated **6 million** patients in the U.S. have **chronic wounds** from various etiologies

An estimated annual **\$20 billion** burden on the healthcare system

Biopad has up to **5x** the standard amount of collagen

BioPad can **speed** wound healing



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

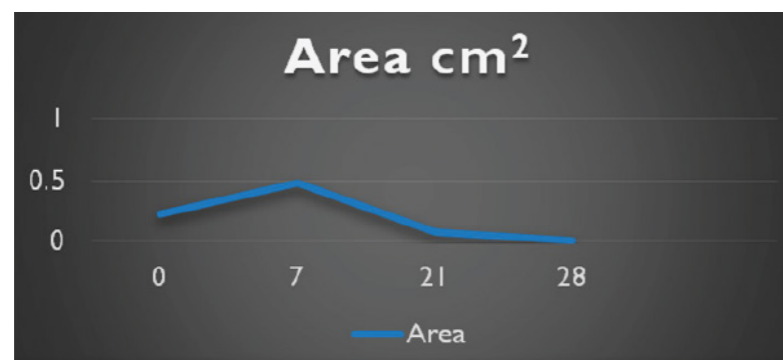
Previous Treatments: SOC, Apligraph, HBO, Endoform

Current Treatments: BioPad



Day 0

Day 28



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



Day 0

Day 28



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

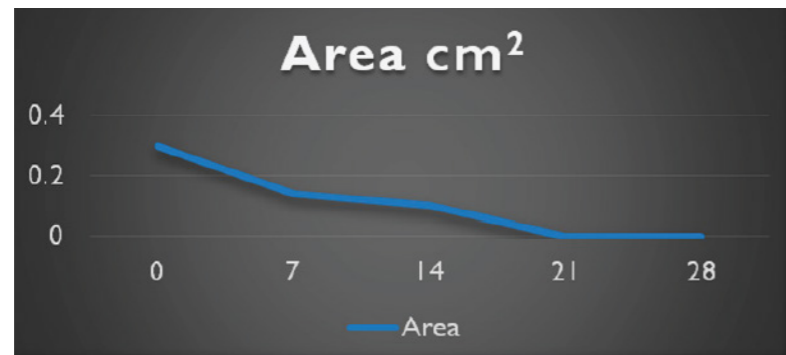
Current Treatments: BioPad



Day 0



Day 28



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

Caring for Wounds
A Clinician's resource for chronic wounds

Samples ▾ Resources ▾ Quiz

Wound Care ADVISOR
PRACTICAL WOUND CARE, WOUND AND WOUND MANAGEMENT

BioPad: Learn More!

Angelini Pharma's newest wound care product, BioPad, is a 100% equine Type-1 collagen primary wound dressing used to treat hard to heal wounds. It has the highest collagen content on the market and it is reimbursable. Case studies have shown that BioPad can speed wound healing, even in cases of chronic, non-healing wounds. Look through the gallery to see the exciting results the BioPad has been bringing patients. See the BioPad in action by signing up for samples here.

- ▶ BioPad Case Studies (PDF)
- ▶ Dr. Barreto Case Studies
- ▶ BioPad Sell Sheet (PDF)
- ▶ BioPad Clinical Brochure (PDF)
- ▶ BioPad Application and Preparation (PDF)
- ▶ BioPad vs. Promogran (PDF)
- ▶ Morphological Biochemical Analysis (PDF)

Case Series: Venous Stasis Ulcers

Age of Patient: 71
Wound Location: Left Medial Leg
Age of Wound: 6 Weeks
Co-morbidities: Hypothyroid, CAD, Hypertension

Previous Treatments: Santyl, Silver Alginate, 3M Coban 2 Compression
Current Treatments: BioPad, Coban 2 Compression

Day 0 Day 28

Area cm²

0 0.5 1

0 7 14 21 28

Area

This informational microsite is brought to you by Angelini Pharma
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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.



Read the report here.

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***

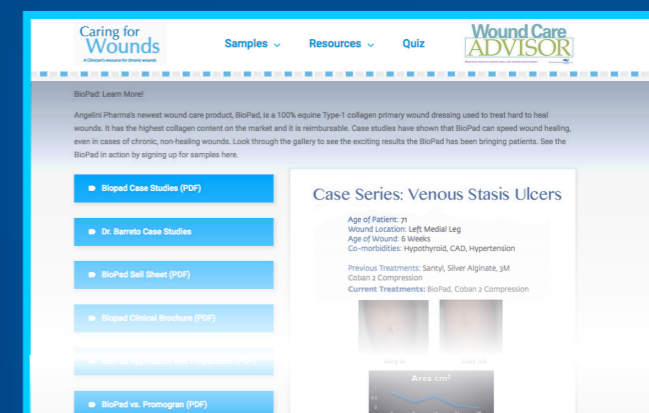
The screenshot shows a web page titled "Caring for Wounds" with a navigation menu including "Samples", "Resources", and "Quiz". The main content area features the "BIOPAD" logo and a sign-up form. The form includes a checkbox for "BIOPAD Starter Kit" and fields for "First Name", "Last Name", "Email", "Title", "Institution/Facility", and "Address 1". A note at the bottom of the form states: "Fill out this form to receive a free BioPad Sample and a free PDF with more details. Fields marked with an (*) are required." There is also a small image of the BioPad product packaging.

About the Sponsor



Angelini Pharma Inc.
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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.



Visit the BioPad Resource Site