
“Coreleader” Colla-algi Fiber



Overview

“Coreleader” Colla-Algi Fiber Wound Dressing is an advanced bio dressing and fabricated by an unique biopolymer fiber which is a mixture of collagen and alginate via a patented spinning process.

The fiber combines the advantages and benefits of both collagen and alginate. It helps to materialize extra ealing benefit with real cost efficiency to patients.

Having absorbing the exudates, Colla-algi transfers into a hydrophilic jelly layer providing an ideal moisture environment which is suitable for wound healing. Moreover, the alginate from the dressing facilitates fibroblast granulation over the wound bed during the inflammatory stage.

It originates a new, provisional extracellular matrix (ECM) to establish the cellular environment that speeds up the healing.

Other than depositing ground substance for cells, fibroblasts major job is to secrete collagen to form thematrix providing a scaffold so that not only fibroblasts can migrate over but also cells can adhere to. Besides fibroblasts, cells involved in inflammation, angiogenesis, and connective tissue formation could be better attached to, grown on and differentiated on Collagen scaffold. Hence, Collagen matrix supports better the 3D migrations of cells. It permits cells to have reciprocal, two-way interactions between the matrix and cells as its fibril structure confers a mechanically compliant environment to the cells.

Collagen deposition is important during contracting. It provides much stronger resistance to traumatic injury than the initial clot made from fibrin-fibronectin. During the maturation stage, type I collagen emerges to replace type III which was the predominating tensile substances during proliferation. With the presence of type I collagen over the wound bed, the originally disorganized collagen fibers are rearranged, cross-linked, and aligned along tension lines to end the epithelialization. Colla-algi contains mainly type I collagen with alginate fiber and hence, adding Colla-algi to the wound bed supplements the epithelialization to cut short the healing time.

Not forget the side benefit of coagulation of Coreleader's alginate. Given the high calcium contained, it activates platelets and blood coagulants to reinforce the coagulation during the calcium ion exchange.

Features

Colla-algi fits all sites of wound. The fabric poses good exudates absorbability, up to 10 times of the weight and biocompatibility, but less allergic concerns to patient. It is especially good to treat the chronic ulcers, pressure sores, venous ulcer or diabetic foot ulcer (DFU), or wound with sizable skin destruction (e.g. burns). It accelerates healing, reduces the pain to patient and shortens bedding time.

Indications

- Moderate to Massive Exudation Traumas
- Ulcers Caused by Mixed Vascular Etiologies
- Diabetic
- Bleeding Superficial Wounds
- Secondary Injury Caused by Trauma Healings
- Pressure sore
- Venous Ulcers
- Second-Degree Burns
- Abrasions
- Surgical Incisions

Specifications

Code	Basic weight (g/ m ²)	Size	HCPCS Code	PC's/Pack
CAW0505	01	5 x 5	A6196	20
	02			
	03			
	04			
CAW1010	01	10 x 10	A6196	20
	02			
	03			
	04			
CAW1020	01	10 x 20	A6197	10
	02			
	03			
	04			



Clinical Evaluation

