

# Helicoll Nano Technology for the success in Diabetic Ulcer Treatments



## Advanced Tissue Regenerative Membrane for Skin Burns, Wounds and Ulcers

**Helicoll**

**Encoll Corp.**  
Manufacturing/Technology

### USAGE OF HELICOLL FOR DIABETIC FOOT ULCERS

*Helicoll's NANOTECHNOLOGY could help heal DFU faster!*

#### **Etiology of Diabetic Ulcers:**

- \* High levels of blood glucose leads to slow healing of DFU
- \* High levels of blood glucose makes collagen Glycosylated
- \* Glycosylation is the covalent addition of the excess blood glucose to collagen

#### **Impact of Glycosylation:**

- \* Glycosylation prevents the normal collagen maturation of healing wounds
- \* Glycosylation inhibits lysyl oxidase that matures collagen to heal the wound (Fig. 1)
- \* This is the reason why the diabetic patient's foot ulcer doesn't heal easily.

*Helicoll's NANOTECHNOLOGY could help heal DFU faster!*

*How an innovative, patented, HELICOLL collagen helps (see Fig. 1)*

- \* Helicoll, as an uncross-linked biocompatible collagen, when tightly applied over the wound, it would osmotically absorb glucose.
- \* Such glucose pulling of Helicoll collagen would reduce the glycosylation of the collagen produced in the wound-bed.
- \* When the collagen in the wound-bed is relieved from glycosylation, it normally matures and lets the Diabetic wound heal faster.
- \* This provides a scientific explanation for the successful use of HELICOLL to effectively treat the non-healing DIABETIC FOOT ULCERS.

# Helicoll Nano Technology for the success in Diabetic Ulcer Treatments

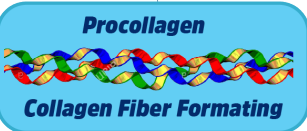


## Advanced Tissue Regenerative Membrane for Skin Burns, Wounds and Ulcers

**Helicoll**

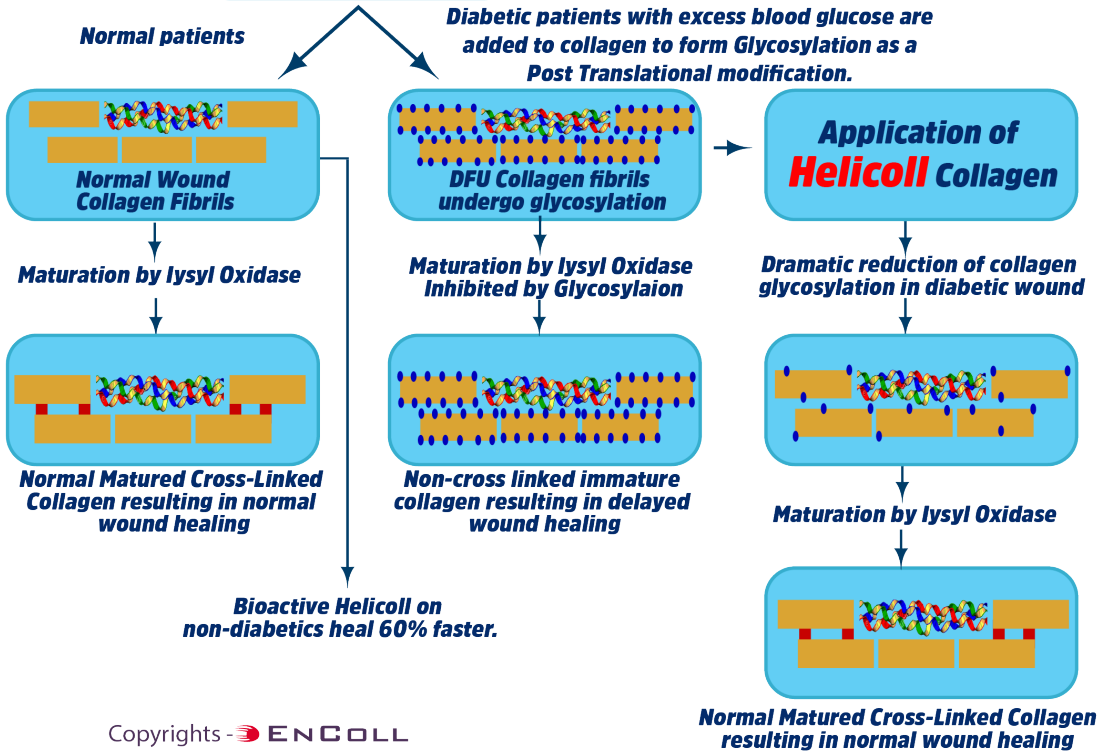
**Encoll Corp.**  
Manufacturing/Technology

During wound healing, cells secrete procollagen fibers for the following steps



**Fig.1**

**Diagram showing How Helicoll Nano -technology could heal a Diabetic Ulcer faster than other collagen products.**



**Helicoll's efficacy: brings new blood capillaries within 4 to 5 days!**

Manufacturing/Technology:



4576 Enterprise St., Fremont, CA 94538 USA  
Phone: (510)396-8581, Email: guna@encoll.com

For more information, please visit [www.helicoll.com](http://www.helicoll.com)  
All content © Encoll Corp. All rights reserved