Healing Wounds with Excellagen: DFU, VLU and Surgical Wound Case Studies


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Venous Leg Ulcer

**Background:** Excellagen (formulated fibrillar bovine collagen gel, 2.6%) is cleared by FDA for the management of dermal wounds including diabetic neuropathic ulcers, venous leg ulcers and dehisced surgical wounds.

Excellagen’s 2.6% formulated collagen gel demonstrated accelerated tissue growth and healing capabilities as compared to SOC in a controlled, double-blinded randomized multicenter clinical study (1). Collagen is the most abundant human protein and is the principal component of the extracellular matrix and is essential for every phase of wound healing. Collagen can serve as a substrate for repair cell adhesion, migration and proliferation.

**Objective:** Investigate the efficacy of Excellagen in reducing and resolving lower extremity chronic wounds.

**Methods:** The case series including venous insufficient and diabetic patients with chronic non-healing wounds of the lower extremities despite conventional local wound care. Conventional therapy was replaced with bi-weekly application of Excellagen and weekly dressing changes. Weekly evaluation and photos were taken to monitor and assess wound healing. Excellagen was applied after debridement.

**Results:** All three patients showed marked decrease in wound size with treatment and most showed complete resolution within 7-9 weeks. No evidence of active clinical infections or adverse effects occurred at any time during the treatment period.

Reference: (1) Formulated collagen gel accelerates healing rate immediately after application in patients with diabetic neuropathic foot ulcers. Peter Blume, DPM; Vickie R. Driver, MS, DPM; Arthur J. Tallis, DPM; Robert S. Kirsner, MD, PhD; Roy Kroeker, DPM; Wyatt G. Payne, MD; Soma Wall, MD; William Marston, MD; Cyanda Dove, DPM; Robert L. Engler, MD; Lois A. Chandler, PhD; Barbara K. Sosnowski, PhD. Wound Rep Reg (2011) pp 1–7

Neuropathic Diabetic Foot Ulcer

**History of MRSA. Treated with PO ABX for 8 months. Ulcer present for 8 months.**

**Day 1**

**Day 7**

**Day 14**

After one application of Excellagen Debridement performed and off-loading with cut-out ¼” felt pad and DH Walker.

After one application of Excellagen

After 5 applications of Excellagen

Dehiscence of Surgical Wound

**Day 1**

34 y/o with post-surgical dehisced wound.

**Day 27**

**Day 42**

**Day 56**

After 2 applications of Excellagen.

After 3 applications of Excellagen. Continued therapy, debridement, off-loading.