

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

Arthur Tallis, DPM, FAPWCA Robert Frykberg, DPM, MPH, FAPWCA V. Tracy Marshall, DPM Edward Tierney, DPM, Jaminelli Banks, DPM

Carl T. Hayden – VA Medical Center, Phoenix, Arizona

Venous Leg Ulcer



62 y/o with known venous insufficiency. VLU of 13 month duration. Pt. on anticoagulants. Prior treatments: appropriate local wound care with 4-layer compression dressing.



After two applications of Excellagen



After 4 applications of Excellagen. From Day 27 through Day 56, Unna Boot was applied for compression.

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 conservative 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.

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 Wali, MD; William Marston, MD; Cyaandi 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



59 y/o DM2 w/ peripheral neuropathy. Ulcer present for 8 months. History of MRSA. Treated with PO ABX for 21 days prior to initiation of treatment with Excellagen.



After one application of Excellagen Debridement performed and off-loading with cut-out 1/4" felt pad and DH Walker.



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



After 5 applications of Excellagen

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.

Dehisced Surgical Wound



34 y/o with post-surgical dehisced wound.



After one application of Excellagen



After 2 applications of Excellagen