

Dermacyn™ Wound Care

CASE STUDY



Comprehensive Treatment of Burn Victim Including Use of Dermacyn™ Wound Care

MEDICAL HISTORY

Sixty-three year old male who was severely burned at age four and successfully skin grafted at age 14. In 1990, the skin grafts ulcerated and became infected with no evidence of healing despite standard care. At the time of his referral to the wound clinic, the patient presented with open, infected, circumferential wounds on his left leg and thigh. Substantial tissue necrosis was present and the wounds were extremely malodorous.

PROTOCOL

Aggressive daily care of these wounds was initiated on 2005-08-29, with the aim of reducing the microbial load in the wounds, debriding necrotic tissue and initiating the granulation process. Bulky, moderately compressive dressings and bandages were constructed that extended from the metatarsal heads to mid-thigh. After approximately 11 weeks of care, Dermacyn™ Wound Care was introduced to the wound care protocol. Copious amounts of Dermacyn™ Wound Care were sprayed onto the large, affected wound area and left to soak for 10-15 minutes prior to dressing and bandaging the leg. The patient readily modified his diet to include appropriate amendments to promote healing and was entirely compliant with wound clinic staff instructions. Wound size was monitored throughout treatment; serial cultures were obtained to monitor infection.

Week 1

First visit with grey tissue, necrotic tissue and actively bleeding areas.



Week 11

First application of Dermacyn™ Wound Care (notice the improved vascularization of the wound bed).



Week 21

Last visit prior to Case Study.



RESULTS

At 11 weeks, the rate of healing increased from 2-3 mm/week to >5 mm/week with no further infection or colonization as determined by serial cultures. At 21 weeks, it is noted that new tissue is neither thickened nor fragile and the patient was able to abandon pain medication and resume his normally, very active lifestyle.

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