Case Review

Peggy Earl, BSN, RN, WOCN¹, William Stoecker, MD¹
Steve Jung, PhD²

¹Phelps County Regional Medical Center, Rolla, Missouri
²MO-SCI Corporation, Rolla, Missouri

Manufactured by: ETS Wound Care, LLC • 4030 Hypoint North, Rolla, MO 65401 • 573-202-2550
www.etswoundcare.com

Study Protocol

- Patients were required to have a wound with no progress in at least 2 weeks under conventional treatment.
- Patients were seen 1 to 2 times per week.
- Debridement occurred at the initial visit, if required, and then limited there after.
- MIRRAGEN® Advanced Wound Matrix was applied to the wound and covered with a cover dressing.
- On subsequent visits, the MIRRAGEN® material was simply washed off with a sterile saline rinse to expose the wound for photos and measurements.

1 Diabetic Foot Ulcer

Healing rate: 25.3 mm²/day  Healing time: 33 days
Wound size: 38 × 22 × 8 mm
Age of wound when treatment started: > 1 year
Subject: 52/male. Insulin dependent diabetic, peripheral neuropathy, hypertension, renal failure on hemodialysis; history of chronic foot wounds.

2 Venous Leg Ulcer

Healing rate: 14.3 mm²/day  Healing time: 103 days
Wound size: 49 × 30 × 3 mm
Age of wound when treatment started: ~ 3 months
Subject: 62/male. Non-insulin dependent diabetes, venous insufficiency, peripheral neuropathy, HTN, CHF, COPD, asthma.
**3 Pressure Ulcer**

Healing rate: 67.9 mm²/day  
Healing time: 159 days  
Wound size: 135 x 80 x 10 mm w/70-mm undermining at 3 o’clock  
Age of wound when treatment started: 4 months  
Subject: 44/male. Paraplegic. Frail with contractures and muscle wasting; tube fed, incontinent, dependent for all care.

**4 Deep Tissue Injury (Traumatic)**

Healing rate: 5.4 mm²/day  
Healing time: 93 days  
Wound size: 25 x 20 x 3 mm w/undermining  
Age of wound when treatment started: 4 months  
Subject: 68/female. Diabetes, peripheral neuropathy, and venous insufficiency. Necrotic tissue was treated with moistened MIRRAGEN® dressing for 2 days to soften and loosen necrotic tissue for easy removal.

**5 Venous Stasis Ulcer**

Healing rate: 39 mm²/day  
Healing time: 127 days  
Wound size: 66 x 75 x 25 mm  
Age of wound when treatment started: ~ 3–4 months  
Subject: 43/female. Presented with extreme wound odor that resolved after 3 visits. Morbid obesity, hypertension, hypothyroidism, lymphedema, and venous insufficiency; denies other health problems.

**6 Traumatic Injury**

Healing rate: 7 mm²/day  
Healing time: 127 days  
Wound size: 30 x 30 x 30 mm  
Age of wound when treatment started: ~ 2 months  
Subject: 70/female. Obesity, diabetes, PVD, PAD, neuropathy, heart disease, and venous insufficiency. History of smoking, chronic foot wounds and recurring infections.