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Microjet Wound Therapy

Healing Lower Extremity Wounds Cost Effectively

Microjet therapy facilitated overall healing and improved quality of life in patients with gangrene and facing costly amputations.

Patient 1

87 y/o male with Type 2 diabetes and a history of amputations

- Patient's long-standing ulcer failed standard of care at multiple facilities
- Came to our practice with the expectation of amputation

Two Microjet procedures resulted in:

- Immediate gangrene resolution within 14 days a graft placed

Patient 2

67 y/o male with Type 2 diabetes plus amputations on the 4th and 5th digits of right foot

- Patient presented with gangrenous right hallux plantar ulcer
- Surgical amputation offered as an option

Six weekly Microjet procedures resulted in:

- 17% per week reduction in wound size
- With gangrene eliminated, wound healing was expedited

Patient 3

76 y/o male with Type 2 diabetes, recent right transmetatarsal amputation, and gangrene on lateral 5th metatarsal head

- Offered right leg amputation

Lower pictures are close-ups of a small section of the wound

Four debridements with Microjet resulted in:

- Gangrene resolution
- A fast graft uptake
- Wound was healed in 4 weeks

Key Benefits:

- **Optimizes wound bed preparation to advance healing**
- **Allows for precision and control to remove non-viable tissue leaving healthy tissue intact[1]**
- **Reduces the incidence of infection and hospitalizations[2] resulting in lower total cost of care**
- **Minimizes reliance on general anesthesia[1,3]**

SCAN TO LEARN MORE

Welcome to the world of Dynamic Wound Therapy.

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1. Reber, M., Nussbaumer, P., Wound Medicine 20 (2018), 35-42. Microjet is formerly referenced as debritom+ in prior literature.
2. Armstrong, D., et. al., Diabetes 2023;72(Supplement_1):29-LB. **3.** Probst, S., Saini, C., Journal of Wound Care, Vol. 33, No. 5 (2024).
Source: Sanchez, A., Brantley-Smith, S., Coles, J., "The use of a novel micro water jet technology for limb salvage in lower extremity gangrene", SAWC 2021 (Poster)