



Accelerated Healing. Clinically Confirmed.

Treatment of Ischemic Wounds with MIST Therapy®

Study Summary



Treatment of Ischemic Wounds with Noncontact, Low-frequency Ultrasound: The Mayo Clinic Experience, 2004-2006.

Kavros SJ, Miller JL, Hanna SW. *Advances in Skin & Wound Care*. April 2007

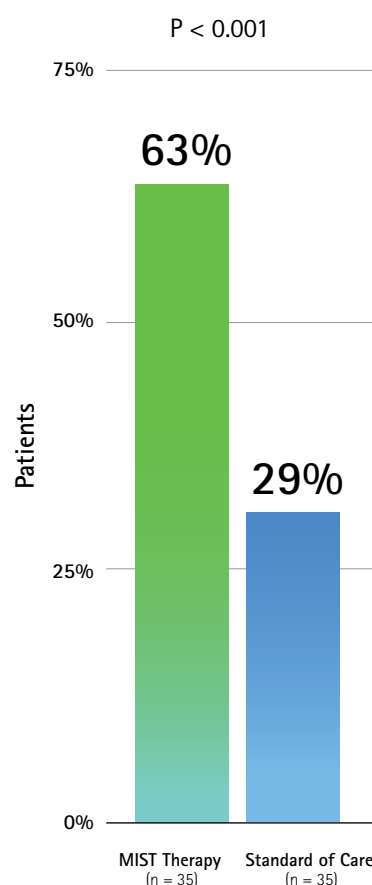
Study Overview:

This randomized, prospective study evaluated the progression of wound healing associated with MIST Therapy[®] when treating nonhealing leg and foot ulcers associated with chronic critical limb ischemia. Seventy patients participated: 35 received MIST Therapy plus the standard of care and 35 received only the standard of wound care.

Key Findings:

A full **63%** of patients treated with MIST Therapy and the standard of care (SOC) achieved **greater than 50% wound healing** at 12 weeks.

This is compared to **29%** of patients treated with SOC alone. ($P = <0.001$)



Graph illustrates results of wound healing at 12 weeks.

Accelerating the Rate of Healing

MIST Therapy uses low-frequency ultrasound to stimulate cells at and below the wound surface to activate healing. A painless procedure, it is the only noncontact, low-frequency ultrasound device for healing cleared by the FDA.

Physician Observations

"This novel, noncontact, low-intensity, low-frequency ultrasound therapy seems to offer a nonsurgical option for wound healing and limb salvage in chronic critical limb ischemia patients, a population known to have poor prognosis and largely regarded as candidates for amputation."

— Dr. Steven J. Kavros , Mayo Clinic

Before



After MIST Therapy



Patients Like Yours?

This study focused on patients with nonhealing leg and foot ulcers.

Allen is a 75-year-old male with chronic critical limb ischemia. The wound has been present for eight weeks. He has hypertension and is a smoker.

Allen's rate of healing improved significantly when MIST Therapy was combined with standard of care.

Sound Science. Strong Results.

Painless, Accelerated Healing with MIST Therapy®

MIST Therapy is an innovative, noncontact approach to wound healing. The system creates low-frequency ultrasound waves that produce and propel a gentle mist of sterile saline into the wound bed. The saline mist improves the transfer of ultrasound from the device without contact or pain to the patient.

MIST Therapy promotes painless wound healing through:

- Active cell stimulation
- Decreased bioburden
- Increased blood flow
- Cleansing and gentle/maintenance debridement

Preparation of this article was funded with educational support from Celleration, Inc.

Results may vary based on individual patient characteristics.

For more information, contact your local Celleration representative or call (952) 224-8700.



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MIST Therapy System FDA Clearance. 510 (k) Clearance June 2005. "The MIST Therapy System produces a low-frequency ultrasound-generated mist used to promote wound healing through wound cleansing and maintenance debridement by the removal of yellow slough, fibrin, tissue, exudates and bacteria."

Please see full package insert for additional information on indications, contraindications, warnings, precautions, and side effects.