

CASE STUDIES: ULTRAMIST®

Surgical Dehiscence: Prepare for Application of Amniotic Allograft

“UltraMIST accelerated tissue granulation to the wound bed and wound edge migration. The patient’s disposition and outlook improved as progress was made throughout treatment.”

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Patient Background:

Female | Age: 73

Type 2 diabetes mellitus (DM), hypertension (HTN), heart disease, venous insufficiency, mild peripheral artery disease (PAD) – no plaque formation LE, nonsmoker

PRESENTATION

Background: Surgical incision dehiscence three weeks post-op sesamoidectomy

Location: Right foot

Supportive treatment: Local care with silver hydrogel, foam dressing, offload in RWC



Treatment 1

TREATMENT STRATEGY

- UltraMIST treatment: Twice a week for five treatments
- The goal of this treatment was to prepare for application of an amniotic allograft



After 4 UltraMIST treatments; total of 10 days

AFTER TREATMENT OUTCOMES

- Use of UltraMIST increased local perfusion/vasodilation
- Decreased bioburden and local wound inflammation
- Accelerated tissue granulation to the wound bed and wound edge migration
- Patient disposition: Improved patient's outlook and improved effect as progress was being recognized throughout treatment
- Wound bed prepared for application of human dehydrated amnion allograft membrane
- No major safety concerns were observed



After 5 UltraMIST treatments; Day 17; prepared for application of dehydrated amniotic allograft

DESCRIPTION AND INDICATIONS FOR USE

Description: The UltraMIST® System delivers low-frequency ultrasound to the treatment site using a noncontact fluid (e.g., saline). Indications for Use: MIST Systems produce a low energy ultrasound-generated mist used to promote wound healing through wound cleansing and maintenance debridement by the removal of fibrin, yellow slough, tissue exudates, and bacteria.

CONTRAINDICATIONS, POTENTIAL COMPLICATIONS, AND WARNINGS

Contraindications: Do not use near electronic implants/prosthesis (e.g., near or over the heart or over the thoracic area if the patient is using a cardiac pacemaker); on the lower back during pregnancy or over the pregnant uterus; over areas of malignancies.

Potential Complications: Tingling, redness.

Warnings: UltraMIST applicator is designed as a single patient-use disposable unit to avoid contamination. Do not re-sterilize or reuse applicators. Reusing the applicator and/or fluid may result in infection and degraded performance. Do not allow the treatment wand or applicator to contact the patient's skin directly. Risk of burns: Do not touch the metal tip of the treatment wand during operation.

Please refer to the Instructions for Use for additional information.

For more information, visit SANUWAVE.com, or email order@sanuwave.com.