



A New Standard in Wound Care

Innovative Copper-Based Dressings

MedCu wound dressings are the only FDA and CE cleared antibacterial wound dressings impregnated with copper oxide particles in the market. These are single use dressings designed to address acute, post surgical and chronic wounds.

The Power of Copper

Copper has broad spectrum biocidal efficacy against bacteria, viruses and fungi and is an essential mineral for the human body. Copper has been used for health, medical and wellness purposes for thousands of years, dating back to ancient Egyptians, Romans, Indians and Aztecs. Copper is biocompatible and safe.

Antibacterial Properties

MedCu dressings leverage 15 years of research and successful commercialization of copper impregnation into various fabrics and polymers.

The company's unique proprietary copper technology is protected by 30 patents worldwide and was implemented by the Israel Defense Forces (IDF) and tested for head-to-toe garments for NASA.

MedCu dressings are designed for placement directly on the wound surface and are made of an internal absorbent layer and external non-binding layer, both impregnated with copper oxide particles, with or without an adhesive contour. The sustained release of copper ions endows the dressings with potent wide spectrum antibacterial properties. MedCu dressings are highly effective against a wide spectrum of microorganisms including antibiotic resistant bacteria such as VRE and MRSA.



15

years of
research



More than
25

peer reviewed
manuscripts published



30

patents
worldwide

Efficient, Rapid and Sustained Results

Case studies of the proven effect of copper-based dressings

78 year old diabetic female patient

Suffered from sepsis, bacteremia and necrotizing fasciitis emanating from midfoot Charcot-neuroarthropathy, deformity, ulceration and necrotizing fasciitis. Underwent deep debridement, including necrotic dorsalis Pedis artery.



Wound condition post-operation



Beginning
of treatment with MedCu copper oxide dressings after 3 days of Milton treatment



8 days
of treatment with MedCu copper oxide dressings
resulted in significant
granulation despite lack of dorsal foot artery



12 days
of treatment with MedCu copper oxide dressings.
Intense encouraging granulation tissue can be seen

46 years old insulin-dependent diabetes mellitus (IDDM) female patient

Following Trans-Metatarsal Amputation treated with MedCu copper oxide wound dressings instead of vacuum-assisted closure (VAC) sessions.



Beginning
of treatment with
MedCu copper oxide
dressings after trans-
metatarsal amputation



5 weeks
of treatment with MedCu copper oxide dressings



12 weeks
of treatment with MedCu copper oxide treatment



21 weeks
after treatment with MedCu copper oxide dressings,
wound has closed

Sustained release of copper ions endows the dressing with potent wide spectrum antibacterial properties

23 year old male patient with renal failure on dialysis

Presented with necrotizing fasciitisfrom infected dialysis shunt. Necrotic and oozing tissue treated initially with silver dressings; wound was not affected.



Beginning
oftreatment with MedCu
copper oxide dressings



14 days
of treatment with MedCu
copper oxide dressings



21 days
of treatment with MedCu
copper oxide dressings.
Wound ready for skin
grafting

60 Year old non-insulin-dependent diabetes mellitus (NIDDM) male patient

Open wound following first ray amputation. The wound was initially treated with two consecutive vacuum-assisted closure (VAC) sessions.



Beginning
oftreatment with MedCu
copper oxide dressings



14 days
of treatment with MedCu
copper oxide dressings
resulted in significant
increase in tissue granulation



26 days
of treatment with MedCu
copper oxide dressings
dramatically decreased
wound volume



74 days
of treatment with MedCu
copper oxide dressings
led to complete closure of
wound

Highlights

- **Efficient** — Protective barrier against a broad spectrum of wound pathogens
- **Quick** — Healing results visible within a week
- **Cost-effective** — High-quality product at accessible price points