

CASE STUDY | Copper dressings prevent amputation in SLE patient

Patient background and wound history

A 58-year-old female with a past medical history of Systemic Lupus Erythematosus (SLE), hypertension and hypothyroidism. Her disease had been under control with medication. The patient initially presented with minor superficial wound with an area of approximately 4 cm sq. The wound increased in size to ~300 cm sq. and more than 1 cm deep, during 8 months of hospitalization.



Initial hospitalization

Pre-treatment

The patient was hospitalized with a wound area of 4 cm sq. In a matter of months, the wound increased to ~300 cm sq. and more than 1 cm deep, despite a wide range of standard care procedures, including a variety of antimicrobial wound dressings, Negative Pressure Wound Therapy, pressure chamber treatment, and skin grafts. After ~9 months of in-hospital treatment and continued deterioration, the subcutaneous and dermal layers were no longer present.



Day 223 of hospitalization &
Day 0 application, MedCu dressings

MedCu management and Clinical outcome

Before resorting to amputation below the knee, MedCu copper embedded dressing was used. The copper dressings were changed every 2 to 3 days. Initially, there were high amounts of wound exude secreted from the wound. Gradually the quantity of secretion decreased and granulation tissue appeared together with new epithelia, progressing from the wound edges and covering the muscle. The size of the wound decreased and the patient experienced significant pain reduction.

224 days after beginning managing the wound with MedCu copper dressings, the patient was released.



Day 348 of hospitalization /
Day 224 application, MedCu dressings

Her leg was saved from amputation by MedCu copper dressings alone.

NATURE + SCIENCE = BETTER WOUND CARE

MedCu's antibacterial wound dressings harness the power of copper to set a new standard in wound care.

As a natural essential mineral for the human body, copper has been used for centuries to care for and treat wounds. Today, copper is at the forefront of a revolution in advanced wound care. MedCu is the first and only antibacterial wound dressing impregnated with copper oxide microparticles to receive FDA clearance and CE Mark.

MedCu wound dressings offer protection against a broad spectrum of pathogens, including antibiotic-resistant bacteria. The dressings are non-adherent, with no need to pre-wet, and can be cut to ensure optimal fit for patient comfort. With sustained antibacterial action, the dressings have up to 7 day wear-time allowing for fewer changes and reduced clinician contact time.

MedCu allows clinicians to effectively and efficiently care for wounds towards complete healing.

Areas of Use

MedCu's wound dressings are easy to apply and remove, and are suitable for a wide variety of applications including:

- Diabetic Wounds
- Leg & Foot Ulcers
- Pressure Ulcers
- First and Second-Degree
- Burns Surgical Wounds



SKU	Size inches	Size cm	Absorption Weight/Weight	Adhesive Contour
2C-0506-01	2x2.4	5x6	750%	-
2C-1012-01	4x4.5	10x12	1000%	-
2C-1020-01	4x8	10x20	1000%	-
2C-2020-01	8x8	20x20	1000%	-
2C-0505-01a	4x4 Pad: 2.5x2.5	10x10 Pad: 5x5	750%	+
2C-1025-01a	4x10 Pad: 4x7.8	10x25 Pad: 5x20	750%	+
3C-1012-01	4x4.5	10x12	800%	-