

## CASE STUDY | Dramatic improvement of a venous ulcer infected multidrug-resistant bacteria

### Patient background and wound history

Patient RL was a 35-year-old female patient with sickle cell disease. She arrived at the clinic with a nonhealing wound on the anterior aspect of the distal right leg, which had been treated previously with many wound dressings, including silver sulfadiazine. Wound cultures revealed a biofilm layer with multidrug resistant *Escherichia coli* colonizing the wound .



Baseline

### Treatment

Immediately after arriving at the clinic, RL underwent conservative debridement and wound bed preparation. The wound was then covered with MedCu copper dressings, which were changed every two to three days. Within two days of the initial application of the MedCu dressing, improvement was already evident.



2 days of MedCu treatment

### Clinical outcome

After seven days of treatment with MedCu copper oxide dressings, dramatic improvement was seen. A followup bacterial culture was found to be negative, and there was a drastic reduction in edema and intense granulation tissue formation.



7 days of MedCu treatment

**After applying MedCu dressings, a dramatic improvement with reduction in edema and intense granulation tissue formation was seen.**

# NATURE + SCIENCE = BETTER WOUND CARE

MedCu's antimicrobial 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 antimicrobial 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 antimicrobial 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%	-