

# Case Study

## Case Study Sight:

Long-term Care Facility located in St. Louis, MO, USA

## Patient History:

50 year old African American female with a history of Type-II noninsulin Diabetes Mellitus and pancreatic pseudocyst.

## Study Information:

The patient was admitted to the long term care facility in January, 2004 after a lengthy hospitalization that included an extended stay in the Medical Intensive Care Unit. Her hospitalization was further complicated by ARDS, CVA, fungemia and the development of a large, full thickness sacral pressure ulcer.

On initial admission to the long term care facility, she was placed on a pressure relieving air therapy mattress. Her wound was treated with a vacuum assisted wound device. Upon discontinuation of the vacuum assist device, her wound was followed up with traditional dressings.

The patient was placed on the StarMatt Mattress Overlay on July 9, 2004 and properly adjusted for maximum immersion and pressure reduction. She was being treated with a silver based dressing that was being changed daily. The wound had a bed of 100% granulation tissue with moderate drainage present. There was also minimal periwound maceration. She was very compliant with treatment protocols and had excellent dietary intake. Wound size 2 measured 3.0 X 2.2 X 1.5 cm on July 9, 2004. The patient was seen daily by the wound treatment nurse and weekly data was provided to update healing status throughout the course of the case study.

## Conclusion:

Over the course of the 21 days associated with this study, the patient continued treatment on the StarMatt Overlay and saw 2 significant healing of the wound, progressing to 1.0 X 1.5 X 0.1 cm total size. Post study, she continued to use the StarMatt Overlay until full wound closure.

Study monitored and authored by Steve Schmitz, RN, Clinical Solutions, St. Louis, MO.



## Wound Progression:

Day 1: 3.0 x 2.2 x 1.5 cm

Day 7: 1.5 x 2.0 x .5 cm

Day 14: 1.5 x 1.5 x .5 cm

Day 21: 1.0 x 1.5 x .1 cm

The StarMatt is a therapeutic, non powered, adjustable, zoned mattress overlay system. This four section system allows each section to be adjusted to your patients individual body shape and size, conforming to their contact surface without deforming soft tissues or restricting blood flow to the wound site. The 720 soft, interconnected air cells provide a high resolution, low shear, low friction support surface that provides the ideal environment for the prevention and healing of advanced stage wounds, up to and including a Stage IV.



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5 Commerce Drive Freeburg, IL 62243  
Toll Free: 888-277-7827 Tel: 619-539-7070  
Fax: 618-539-7073 www.starcushion.com