

## Case study: Management of peri-wound area and sacral pressure ulcer following ICU stay

### SELF-ADAPTIVE WOUND DRESSING CLINICAL RESULTS

#### Patient:

61-year-old male with recent history of acute pneumonia and respiratory failure has a stage IV sacral/coccyx pressure ulcer sustained 3 months prior during lengthy ICU stay. Ulcer has been managed with conservative treatment and negative pressure wound therapy.

#### A1. Day 0.

Stage IV pressure ulcer measures 2.0 x 2.0 x 0.4 cm. Wound is debrided of loose slough, cleansed with saline, and treated with gentamicin ointment.



#### A2. Day 0.

A self-adaptive dressing is placed over the wound, overlapping all wound edges by at least 2 cm.



**A3. Day 0.**

Dry folded gauze is placed over the self-adaptive dressing and secured with adhesive tape to make sure that the dressing remains in contact with the wound. Dressing changes are initially scheduled every 3 days.



**B. Week 1.**

After 1 week with self-adaptive wound dressings, the wound measures 1.0 x 1.0 x 0.4 cm with no peri-wound maceration. Wet slough is sharp debrided. Patient is ambulatory and dressing change frequency is changed to weekly.



**C. Week 4.**

After 4 weeks of self-adaptive dressings, ulcer measures 0.3 x 0.3 x 0.3 cm with no irritation of peri-wound area.



**D. Week 7.**

Ulcer is completely closed.



**Reference:**

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