

# 3M™ Tegaderm™ Matrix

Matrix Dressing with PHI™

## Treatment of an intractable pressure ulcer with Tegaderm Matrix

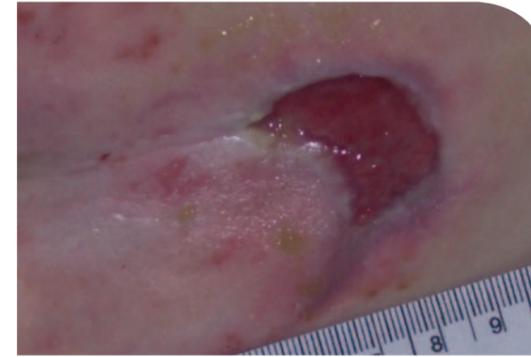
### The care of Mrs Peters

Mrs Peters (*name changed*) is an 83 year old lady who lives with her husband at home but had become increasingly weak and was taken to hospital for investigations. Nothing was identified during hospitalisation, and it was thought that the weakness was age related. She could no longer cope at home and was transferred to a nursing home. Due to her immobility and frailty, in the day she sat in a chair, with a gel cushion in situ and had an air mattress on the bed during night time. Sacral pressure damage was caused by her immobility prior to the use of air mattress and cushion. However, even with the use of these pressure relieving aids, the wound, which was clean and without slough was not healing (*Figure 1*).

Previously a foam adhesive, sacral shaped dressing was used. It was changed on a daily basis and use of this product, as a secondary dressing, continued when Tegaderm Matrix was introduced on the 28th October. This dressing combination remained the same until the wound healed (*17th December*). During the trial the dressing change frequency gradually reduced from daily dressing to twice weekly. Using this particular foam adhesive sacral dressing, size 22cm x 22cm, at cost of £11.00, on a daily dressing change basis, led to a dressing materials cost of £309.00 per month for care of this wound.

Despite best practice regarding pressure relief being implemented and a modern wound dressing being used, Mrs Peter's wound was not progressing. In order to stimulate wound healing, the novel MMP-balancing wound dressing Tegaderm Matrix was selected as it blocks MMPs from entering the wound environment. Once the wound was dressed with Tegaderm Matrix, the wound rapidly moved from indolent to a healing state and dressing changes were reduced to two changes per week, at a cost saving of £220.64 per month.

The overall cost of Tegaderm Matrix for the complete 50 day treatment was approximately £143.00 plus the overall cost of the foam dressing at £150.00 giving a total cost of £293.00. Therefore, the use of Tegaderm Matrix during the 50 days provided a material cost saving of £257.00 for this patient.



**Figure 1.**

**28th October:** Wound measures 5.5 x 3.3cm. The wound is clean but not healing



**Figure 2.**

**4th November:** The wound has greatly reduced in size. The only treatment to have been changed is Tegaderm Matrix



**Figure 3.**

**12th November:** Wound now measures 0.9 x 2.9cm. A total surface area reduction of 15.9 sq cm

**By the 29th December** this wound was completely healed – a period of 7 weeks