

# 3M™ Tegaderm™ Matrix

Matrix Dressing with PHI™

## Treatment with Tegaderm Matrix: A diabetic patient with a heel pressure ulcer

### The care of Mrs Cooper

Mrs Cooper (*name changed*) is a 79 year old diabetic lady who had previously had an amputated left leg due to pressure damage over the heel. She had a Waterlow score of 20 which placed her at very high risk of development of further pressure ulcers. There was now a pressure ulcer on the right heel that had been present for 8.5 months. Her previous treatment included an electrical dressing and then a hydrogel sheet dressing which had greatly improved the wound and it had almost reached closure. At this point there was a severe breakdown of the wound (*Figure 1*) and dressings (*hydrofibre – cost £7.70 per dressing and foam – cost £8.00 per dressing*) were being changed on alternate days over several months at a cost of £235.00 per month.

Tegaderm Matrix was first applied on 18th July. The secondary dressing used was gauze and this was held in place by orthopaedic wool and a simple retention bandage. Healing was slow, possibly due to the diabetic pathology. Within a short period of time dressing changes were reduced to twice weekly for 8 weeks and then reduced to once per week until 18th October (*92 days*) by which time the wound had almost reached full closure. Following the study, the wound completely healed. The overall cost of treatment with Tegaderm Matrix was £170.00 showing a cost saving of £520.00 over the previous dressing regimen used to treat this wound.



**Figure 1.**

18th July: Wound measures 5.5 x 3.3cm.  
There is some necrosis present



**Figure 2.**

10th October: There is some granulation present although there is some slough



**Figure 3.**

18th October: The wound measures 0.9 x 2.9cm,  
a reduction in surface area of 15.9 sq cms

This wound went on to full healing following continuing treatment with Tegaderm Matrix, outside the study period