

Clinical impact of a Hydro-Responsive Wound Dressing in the rapid closure of a diabetic foot burn wound

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Introduction

HydroTac® is a Hydro-Responsive Wound Dressing featuring AquaClear™ gel technology which accelerates the healing process and contributes to faster epithelialisation due to growth factor accumulation. Its moist gel layer prevents HydroTac® from sticking to the wound, supporting an atraumatic dressing change.

Patient History

This case study relates to a 37 year old woman with type 2 diabetes who presented with a burn of six weeks duration on dorsum of the right foot. Prior to attending the Diabetes Foot clinic the wound was treated in the community by the patient's practice nurse.

The wound (22mm x 10mm) was superficial with mixed slough and granulation, minimal clear exudate, no clinical signs of infection. The patient informed us that the practice nurse had tried a variety of different wound dressings over the previous 5 weeks. (Patient was unable to tell what had been used).

The patient was anxious to achieve healing as she had a young family and a full time job as a clinical support worker in a busy local GP practice. The patient was concerned with the slow progress of the wound which was impacting on her daily life.

Treatment with HydroTac®

HydroTac® Comfort (adhesive border) was applied and left insitu for 7 days for both dressing changes. No other therapy or additional intervention i.e: pressure relief, antibiotics or nutritional intervention was undertaken. Exudate was managed effectively and the patient found the dressing to be comfortable.

Figure 1 - 10.10.16



Figure 3 - 18.10.16



Figure 5 - 25.10.16



Conclusion

The use of HydroTac® resulted in the successful treatment of the wound and the wound healed within 15 days proving to be beneficial in treatment costs. The difference in the wound after just one application was remarkable and after two applications the wound had completely healed.

The clinical outcome matched the goal of treatment with both patient and clinician objectives being met. The performance of HydroTac® exceeded the clinical team's expectations.