

The Use of Dressing With Super Absorbent Polymers (sorbion sachet S) in the Treatment of a Long Standing Diabetic Foot Wound: A Case Study

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Background

This case study follows a complex, multi-factorial foot ulcer where management of excessive exudates with a dressing with super absorbent polymers (sorbion sachet S) proved crucial in wound healing. The patient was a male type 2 diabetic, with profound neuropathic deficit but intact peripheral circulation. He had undergone a forefoot amputation which resulted in altered biomechanics and left a non-healing, heavily exuding wound which had not responded to gold standard therapy.

Method

A prospective case study of a person with Type 2 diabetes with a non-healing foot ulcer using a unique dressing with super absorbent polymers (sorbion sachet S). Wound progression was monitored with photographs, measurements and wound exudate levels. Investigator and the patient rated the treatment regime in terms of overall performance, healing progression, patient comfort and handling on application.

Results

The wound showed a positive response resulting in complete healing, managing high exudate under foot pressure. The therapy was well tolerated. Pain severity scores were extremely low throughout the treatment period. The investigator and patient ratings of the treatment regime were very positive. The wound has remained healed to follow up in 12 months.

Conclusions

Abnormal wound healing in people with diabetes is well recognised. One of the significant contributions to a delay in wound healing is excessive exudate production. This patient despite receiving gold standard therapy failed to progress, excessive exudate being the confounding factor. The use of a dressing with super absorbent polymers controlled the excessive exudate and allowed the wound to progress to healing. The treatment was considerably less expensive than topical negative pressure and other absorbent dressings.

Wound progression



Week 0



Week 1



Week 4



Week 8