

Case Study of a Patient with a Neuropathic Foot Wound

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Patient Background & Wound History

The patient was a 54-year-old female with type 2 diabetes and hypertension. Occupation was in a retail environment requiring long hours of standing.

The insensate foot developed charcot arthropathy leading to a non-healing wound with a 3 cm x 3 cm x 8 cm cavity.

Attempts at moist healing including debridement and moist wound packing changed daily as well as the elimination of weight bearing were unsuccessful. The wound persisted for four (4) months.

Treatment

The wound was flushed and debrided and loosely packed with moist antimicrobial gauze dressings. The extriCARE® Negative Pressure Wound Therapy (NPWT) 2400 system was administered continuously at 120 mmHg. Offloading was attempted using a boot, wheelchair, and a slide on shoe for short trips to bathroom. Dressing was changed in 48 hours and twice weekly thereafter. Drainage was under 80cc per week.



Outcome



Maceration of callous was noted initially but subsided as treatment continued and callous was removed. Edema in the foot was minimized. The patient and caregiver found the dressing changes easy and that the system caused minimal disruption in her normal activities. The wound was closed in five (5) weeks

Devices Used



extriCARE® 2400



Dressings