

Total Contact Casting Case Studies

Midfoot Wound



Case History: This patient was a 58-year-old female with a 24-year history of diabetes and Charcot Neuroarthropathy. Her foot ulcer had been present for four months. Past treatments included various topical medications, foot soaks, and antibiotics. The patient healed in 55 days after initial evaluation and treatment, which included debridement and total contact casting. To prevent recurrence the patient was fitted for shoes and inserts.

Charcot Neuroarthropathy



Case History: This 58 year-old male had diabetes for 14 years with profound sensory neuropathy. His left foot was traumatized at work. He suffered for several weeks with swelling and pain before seeking treatment. Upon presenting for care, he was diagnosed with acute Charcot Neuroarthropathy. He was treated for 3 months with total contact casting to enable ambulation without progression of the deformity. Casting allowed the patient to move from the acute phase to the coalescent phase of Charcot. The first x-ray is at initial onset of Charcot. The following x-ray shows 18 months later. Patient was fitted for custom shoes and insoles.

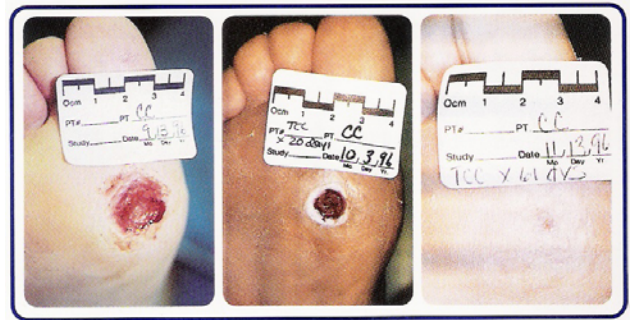
Full Thickness Plantar Wound



11/3/2005 12/8/2005 2/7/2006 4/25/2006

Case History: This 55 year old diabetic, blind male on renal dialysis presented to the office 10/20/05 with an extensive ulcer to the plantar aspect of the left foot of unknown cause wrapped in a soiled T-shirt. Cultures were obtained and appropriate antibiotics were coordinated via dialysis. A total contact cast was changed twice weekly along with debridement of the wound in the office. The patient continues in active care at this time.

First Metatarsal Wound



Case History: This patient has congenital hereditary neuropathy with an ulcer that was present for four months. Previous treatments included debridements, a healing brace and application of growth factors. Patient healed in 61 days following assessment and treatment, which included debridements and total contact casting. The patient was fitted for accommodative shoes and inserts to prevent recurrence.