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Dallas, TX

Pre-op



Post-Op



Charcot Foot Reconstruction

Pre-op

A 47 year old male with type II diabetes presents with a swollen Charcot foot. The patient was placed in a total contact cast for 6 weeks until swelling subsided and scheduled for a mid-foot fusion, limb salvage procedure.

Procedure

Three medial Lis Franc type incisions were made between the 1st and 2nd ray, 3rd and 4th ray and over the 5th ray. Joint surfaces were prepared using standard rongeurs, osteotomes and oscillating saws. All metatarsals were prepared for the metatarsal implants. A medium 8.0 x 55mm, small 6.0 x 50mm, small 6.0 x 55mm, small 6.0 x 55mm, and a small 6.0 x 45mm metatarsal implants were inserted in the 1st through 5th ray, respectively. A diameter 1.6mm double-ended guide wire was placed antegrade through each metatarsal implant. Once all guide wires were in place the mid-foot was reduced and guide wires advanced retrograde to the Talonavicular and Calcaneocuboid joint, respectively. Each ray was then prepared for the lag screw with a 5.0 x 50mm lag screw used in the 1st ray, a 4.0 x 30mm in the 2nd, a 4.0 x 35mm in the 3rd, a 4.0 x 40mm in the 4th, and a 4.0 by 35mm in the 5th. Compression and locking was achieved on all rays.

Post-op

The patient was immobilized in a non-weight bearing splint.