

Conservative Care

Orthotics (case #12338)

CROW Boot / Custom Molded Shoe

Keywords: Charcot's arthropathy, diabetes, peripheral neuropathy, ankle fusion, neuro-pathic ulcer, foot deformity, CROW (Charcot Restraint Orthotic Walker) boot, custom molded shoe, rocker bottom sole.

Patient: 55-year old female presents with diabetes and peripheral neuropathy, right Charcot's arthropathy with a plantar ulcer under the first MPJ, left ankle fusion and bilateral foot deformity.

Service: Right, custom molded CROW boot with 1/2" removable Plastazote® total contact insole. Left custom molded shoe with low profile rocker sole.

Rationale: The CROW boot immobilizes and stabilizes the Charcot deformity, and promotes healing of the ulcer. The removable molded Plastazote® insole allows for continuous modifications. Due to ease of donning and doffing, the bivalved, overlap design is the better alternative to a non-removable cast to allow access to the wound. The left custom molded shoe accommodates the foot deformity and protects the insensate foot.

Note: The CROW boot can be fabricated with a proximal patellar tendon bearing (PTB) section to achieve greater off-loading.

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Step by Step