

Utilization of Advanced Modalities in the Management of Diabetic Charcot Neuroarthropathy

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Abstract

Technological advances have allowed reconstructive foot and ankle surgeons greater opportunity to provide significant limb salvage options to those patients who present with significant lower extremity deformity due to diabetic Charcot neuroarthropathy. Paradigms that promote the utilization of these advanced modalities have demonstrated significant improved limb salvage outcomes in this challenging patient population and have consequently improved the quality of life for patients. The purpose of this review is to discuss current concepts in Charcot reconstruction.

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Abbreviations: (BMP) bone morphogenetic protein, (CN) Charcot neuroarthropathy, (CROW) Charcot restraint orthotic walker, (OP) osteogenic protein, (PRP) platelet-rich plasma, (TCC) total contact cast

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