

Complex Ankle Arthrodesis Using The Ilizarov Method Yields

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Complex Ankle Arthrodesis Using The

Ilizarov ankle fusion at our institution from 1999 to 2008. All patients were referred for ankle fusion by fellowship-trained foot and ankle surgeons because the patients' ankle problems had been deemed too complex to be treated by arthrodesis using standard internal fixation techniques. Patients who underwent tibiocalcaneal or ...

Complex Ankle Arthrodesis Using the Ilizarov Method Yields ...

Background. Ankle arthrodesis may be achieved using the Ilizarov method. Comorbidities, such as diabetes, Charcot neuroarthropathy, osteomyelitis, leg length discrepancy, and smoking, can make an ankle fusion complex and may be associated with lower rates of healing.

Complex Ankle Arthrodesis Using the Ilizarov Method Yields ...

We reviewed 110 complex ankle arthrodesis cases performed by the senior author (SRR) at one center from 2002–2009 using the Ilizarov / Taylor spatial frame. Criteria for “complex” fusion included a history of ankle osteomyelitis, failed prior ankle fusion attempt, failed total ankle

Complex Ankle Arthrodesis Using the Ilizarov/TSF

Ankle and hindfoot fusion using circular external fixation is a useful surgical technique in patients with diabetes, Charcot, osteomyelitis, deformity, and/or bone and soft tissue compromise in order to obtain solid bony fusion, stable limb alignment, and eradication of infection in cases of complex pathology.

Complex Ankle and Hindfoot Arthrodesis Using Circular ...

Patients with complex ankle and hindfoot deformity present a unique challenge to both nonoperative management and surgical reconstruction. Nonoperative management focuses on wound care, bracing, and immobilization using ankle-foot orthoses, total contact casts, and Charcot restraint orthotic walker boots for external stabilization.

Complex Ankle and Hindfoot Arthrodesis Using Circular ...

The Ilizarov method of ankle and hindfoot arthrodesis is a well-established technique for limb reconstruction that uses circular external fixation to achieve solid bony fusion, optimal leg length, and eradication of infection in cases of complex pathology.

Complex Ankle and Hindfoot Arthrodesis Using Circular ...

The ankle should be fused in 5° of valgus, 0° of dorsiflexion, and 10° of external rotation .This position is best, because it results in a plantigrade foot and maximal functional results .Once this alignment is obtained, the ankle arthrodesis commonly is held with three 6.5- or 7.3-mm short-threaded, cannulated, cancellous screws , .An ankle arthrodesis achieved with three screws has ...

Ankle Arthrodesis: The Simple and the Complex - ScienceDirect

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Complex Ankle and Hindfoot Arthrodesis Using Circular ...

Foot Ankle Surg. 2015 Dec;21(4):240-4. The use of the 4.5 mm 90° titanium cannulated LC-angled blade plate in tibiotalar and complex ankle arthrodesis. Kheir E, Borse V, Bryant H & Farndon M. BACKGROUND: Tibiotalar arthrodesis is used to manage end stage arthritis, often associated with severe bone loss. The goal is to relieve pain through ...

Complex ankle & hindfoot fusion using angled blade plate ...

1. Introduction. Arthrodesis has traditionally been the surgical standard for the treatment of end-stage foot and ankle arthritis and to correct deformities of the foot and ankle [1,2].However, in foot and ankle arthrodesis, nonunion is a major concern and the most common major complication that worsens functional outcome, with a nonunion rate of approximately 11% (range, 3–23%) [, , ,].

Effects of teriparatide on fusion rates in patients ...

CONCLUSIONS: Our findings suggest that rhBMP-2 is a beneficial adjunct for selected groups of patients undergoing complex ankle arthrodesis. CT is a promising modality in the assessment of bone healing in ankle fusion. A proper randomized controlled trial remains necessary to fully describe the efficacy of rhBMP-2 in accelerating bone healing.

Recombinant human BMP-2 increases the incidence and rate ...

technique revolutionized the treatment of complex ankle and foot problems.²⁴ The purpose of this study was to review our results of tibiotalar arthrodesis using the Ilizarov apparatus. MATERIALS AND METHODS Twenty-two ankle (tibiotalar) arthrodeses done between April, 1992, and August, 2004, at our institution using

Ankle Arthrodesis Using Ilizarov Ring Fixators: A Review ...

During the period in question, indications for hindfoot arthrodesis using posterior blade fixation were subtalar osteoarthritis below an ankle fusion, malunion or nonunion, failed tibiotalocalcaneal arthrodesis attributable to nonunion of the tibiotalar and/or subtalar joint; or tibiotalar and subtalar osteoarthritis in patients with impaired ...

Hindfoot Arthrodesis with the Blade Plate: Increased Risk ...

Chapter 8 Ankle and Hindfoot Arthritis Jacob R. Zide and James W. Brodsky Introduction Ankle and hindfoot arthritis have a significant impact on patient function. Saltzman et al. evaluated the impact of ankle osteoarthritis on physical function and quality of life. They prospectively compared 195 patients with ankle osteoarthritis to 95 matched controls.

Chapter 8 - Ankle and Hindfoot Arthritis | Musculoskeletal Key

Initially described by Albert 3 more than a century ago, ankle arthrodesis has remained the gold standard for the treatment of end stage deformities and arthrosis of the ankle and hindfoot. 2,5,6,11,37,40,59 No less than 30 surgical procedures have been described with complication rates reported as high as 60%. 39,40 Arthrodesis techniques are categorized broadly by fixation methods, using a ...

Complications of Ankle and Tibiotalocalcaneal Arthrodesis ...

Sir: We read with great interest the article by Piccolo et al. entitled "Ankle Arthrodesis with Free Vascularized Fibula Autograft Using Saphenous Vein Grafts: A Case Series." 1 We want to thank the authors for their contribution because few reports based on short case series can be found dealing with this issue, 2, 3 mainly because ankle arthrodesis with vascularized bone is not a ...

Ankle Arthrodesis with Free Vascularized Fibula Autograft ...

As first described by Charnley, external fixation has been a useful modality for complex arthrodesis. 7 In a cadaveric study, Ogut and colleagues demonstrated similar ankle fusion site stability with external ring fixation versus an optimized screw fixation technique. 8 The authors subsequently concluded that external fixation can be a viable ...

Essential Pearls On External Fixation Application ...

arthrodesis in a sentence - Use "arthrodesis" in a sentence 1. The cages can be packed with autologous bone material in order to promote arthrodesis. 2. A similarly designed study by Mardjekto et al . found that a concomitant spinal arthrodesis (fusion) had a greater success rate. click for more sentences of arthrodesis...

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