

The Arthrex Mini Comprehensive Fixation System (Mini CFS) is designed to be a complete solution for mini fragment fixation and fusion needs. Multiple modules within the system ...

What is PEEK-OPTIMA™ Reinforced Polymer? PEEK-OPTIMA Reinforced polymer consists of short carbon fibers dispersed within the PEEK-OPTIMA™ Natural matrix to provide properties well suited ...

CFR-PEEK plates have high union rates in extremity fracture fixation similar to conventional plates with comparable good clinical outcomes and a very low and comparable rate of complications. ...

When manufactured into a fracture fixation plate, the stiffness and strength originate from both the plate geometry and the orientation of the carbon fibers throughout the plate.

This study aimed to investigate the biomechanical properties of 60 % carbon fiber-reinforced polyetheretherketone (Cfr-PEEK), which exhibits high mechanical strength and can ...

We report our preliminary experience with 3 cases in which internal fixation with a self-reinforced poly-L/DL-lactide 70/30 miniplate and 1.5-mm or 2.0-mm screws were used to stabilize an open metacarpal ...

In this study, we reported our experience using CFR-PEEK plates to stabilize bones treated with curettage due to benign or locally aggressive bone tumors.

This study aimed to compare carbon fiber-reinforced polyetheretherketone (CFR-PEEK) plates and screws with conventional titanium plates and screws for mandibular orthognathic surgery ...

We present a case series of five patients with distinct complex periarticular fractures of the upper limb. Our aim in this article is to present the technique for fixing periarticular fractures of the upper limb, ...

Carbon fibre plating (CFR-PEEK) became available to orthopaedic surgeons in 1998 as a competitor to the traditional metal implants. Despite this, the use of such implants has been limited globally.

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