

Pressfit Ceramic Arthroplasty Of The First Metatarsophalangeal Joint: A Short-Term Review.

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Abstract:

Several prostheses are available for replacement of the first metatarsophalangeal joint. The aim of our study was to review our results with the Moje press-fit ceramic implant. Our study included seven procedures in six patients with a mean age of 60.2 years followed for a mean of 35 months (range: 24 to 43 months). We found a significant ($p < 0.001$) improvement of the Visual Analogue Score from 7-8 to 1-2 and of the Foot Function Index from 75.6 to 8.6. We recorded a mean postoperative dorsiflexion of 29.2 degrees and plantar flexion of 12.1 degrees. Apart from slight cortical recession in one case, probably related to overuse, there was little evidence of osteolysis or loosening of implants and no major complication has been noted in any of the patients. The pressfit design seems to have overcome the disadvantages of the previous screw fit prosthesis which had been reported to have complications related to metallosis around the titanium screw.

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