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Authors: Francesc Malagelada, Matthew J. Welck, Callum Clark



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The dowel technique for first metatarso-phalangeal joint arthrodesis in revision surgery with bone loss

Francesc Malagelada¹, Matthew J Welck², Callum Clark¹

1. Foot and Ankle Unit, Orthopaedics and Trauma, Heatherwood and Wexham Park Hospitals, Frimley Health NHS Trust. London Rd, Ascot, Berkshire, SL5 8AA, UK.
2. Foot and Ankle Unit, Royal National Orthopaedic Hospital, Brockley Hill, Stanmore, Middlesex, HA7 4LP, UK

Corresponding author:

Francesc Malagelada

Heatherwood and Wexham Park Hospitals, Frimley Health NHS Trust. London Rd, Ascot, Berkshire, SL5 8AA, UK.

Tel. 01344 623333

fmalagelada@gmail.com

Preference for illustrations color: Online only

Highlights

- Our case series presents a novel technique for arthrodesis of the first MTPJ in the presence of bone loss. Its advantages include its versatility, the potential for restoration of hallux length / alignment and ease of fixation.
- fusion rate of 100% was achieved at a mean of 9.3 weeks in our series of 8 patients. Only one patient required removal of metalwork and no major complications were encountered.
- In all cases the HVA improved postoperatively and the length of hallux also increased consistently especially in those cases which were revised from a non-arthroplasty index surgery (arthrodesis, Keller).

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