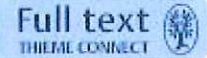


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Z Orthop Unfall. 2012 Dec;150(6):572-8. doi: 10.1055/s-0032-1327935. Epub 2013 Jan 7.

[Kiva® VCF Treatment System - clinical study on the efficacy and patient safety of a new system for augmentation of vertebral compression fractures].

[Article in German]

Bornemann R¹, Otten LA, Koch EM, Jansen TR, Kabir K, Wirtz DC, Pflugmacher R.

Author information

Abstract

BACKGROUND: As a further alternative to previously used vertebral augmentation methods, the Kiva VCF Treatment System® was clinically investigated.

MATERIAL AND METHODS: The pilot study included 24 patients (mean age 74 years, 34 vertebrae).

RESULTS: During an operation period of 16.6 minutes on average 2.2 ± 1 mL of PMMA cement were injected. 87% of patients were satisfied or very satisfied with this treatment. In 2 cases leakage of cement has been registered. The pain intensity was already reduced after 7 days to 69.5 mm (VAS scale 0-100). After 30 days, the difference from baseline was 76 mm. Significant improvements have also been shown in the Oswestry Score (functional ability), physical performance and mental well-being.

CONCLUSION: On the basis of these results, the new augmentation can be described as being effective in the treatment of painful vertebral fractures.

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