

The Use of Variable Angle Locking Synthes™ Plates in Foot Reconstructive and Fusion Procedures-A Non-Inventor Centre Report

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Abstract

Introduction: The use of locking plates over other conventional methods in fusion and reconstructive foot surgery has become popular. We report our experience with the use of Variable Angle Synthes™ plates in reconstructive and joint fusion procedures.

Methods: Seventy one foot reconstructive and fusion procedures in 48 consecutive patients were performed between June 2012 and September 2014. Data was sourced from theatre log, ORMIS, PACS and Dictate IT. An independent observer carried out retrospective analysis of prospectively collected data on patient demographics, indication for surgery, co-morbidities, type of surgical procedure, radiological outcome of union rates and time to union, pre and post-op patient reported outcome scores (MOXFQ score and EQ-5D) and complication rates.

Results: The mean age was 59 (range 32-78) years with a 2:1 female predominance. Indication for surgery was degenerative arthritis (55 procedures) in most cases. The overall union rate was 93% with time to union being 6 to 16 weeks in osteotomies and 12

months in fusion procedures. The mean EQ-5D score was 0.78 (range 0.5-1.0) and the mean MOXFQ score was 10.5 (range 8-14). The overall complication rate was 10%.

also analysed independently using the same test to assess whether there were any changes within the individual parameters. P value of 0.05 was set as Health related quality of life was assessed using EQ-5D-3L consisting of domains (mobility, self-care, usual activities, pain/discomfort, and anxiety/depression).

Synthes™ locking plates were 17 (36%) male and 30 (64%) female patients with a mean age of 59.5 (range 32-79 years).

Results

A total of 71 surgical procedures were performed in 47 patients who underwent foot fusion/reconstructive procedures using Variable angle

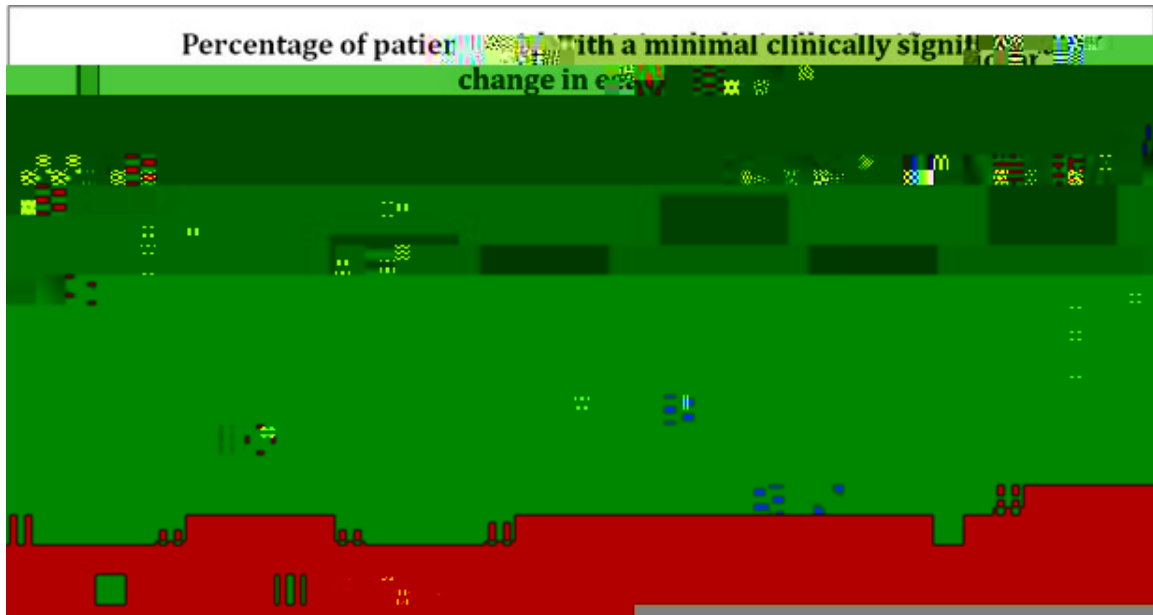


Figure 2

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