

# Clinical outcomes following meniscal allograft transplantation (MAT) with FAST-FIX<sup>®</sup> 360 Meniscal Repair System

Erquicia JI, Ibañez M, Perelli S, Masferrer-Pino Á, Gelber PE, Monllau JC. Clinical outcomes in meniscal allograft transplantation using FASTFIX 360. Abstract presented at: International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine; Nov 27-28, 2021; virtual.

## Key points

At final follow-up after MATs with FAST-FIX 360, patients demonstrated:



**Significantly improved**  
functional knee and pain  
scores compared to  
pre-operative levels ( $p < 0.001$ )



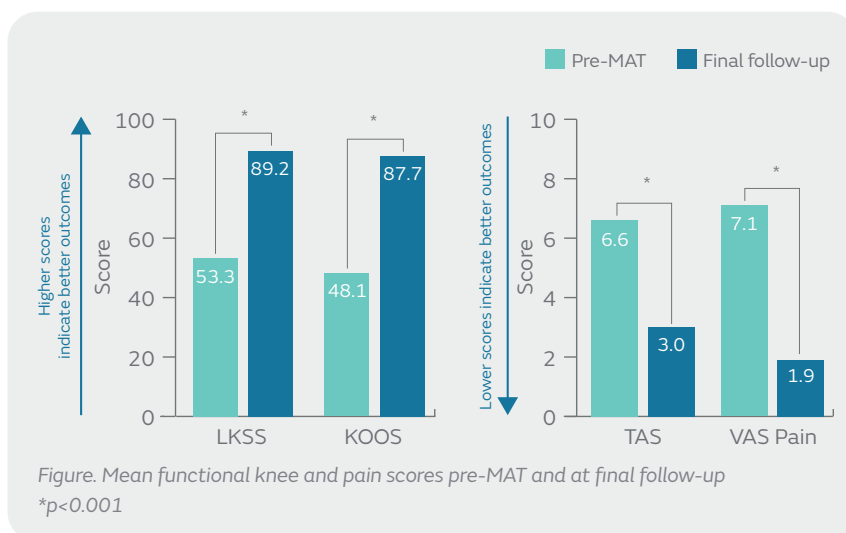
**A low rate of complications**  
(3 out of 24 patients  
required a second surgery  
due to suture failure)

## Overview

- A retrospective study of consecutive MATs using FAST-FIX 360 all-inside meniscal repair implant in the posterior horn and meniscal body, and outside-in vertical mattress sutures in the anterior horn
  - 24 patients (mean age, 36.3 years; average follow-up, 2 years)
  - 142 FAST-FIX 360 devices were used (median number per patient, 5.4)
- Lysholm Knee Scoring Scale (LKSS), Knee Injury and Osteoarthritis Outcome Score (KOOS), Tegner Activity Score (TAS) and Visual Analogue Scale (VAS) pain scores were recorded pre-MAT and at final follow-up

## Results

- There was significant improvement in LKSS, KOOS, TAS and VAS pain scores at final follow-up, compared to pre-MAT (Figure;  $p < 0.001$ )
- Three patients (12.5%) required a second surgery (arthroscopic refixation) due to suture failure
- One case (4.2%) of arthrofibrosis was reported requiring arthroscopic arthrolysis, but MAT was observed as stable



## Conclusions

At 2-year follow-up, MAT with FAST-FIX 360 patients demonstrated significant improvements in pain and function knee scores and a low rate of complications.