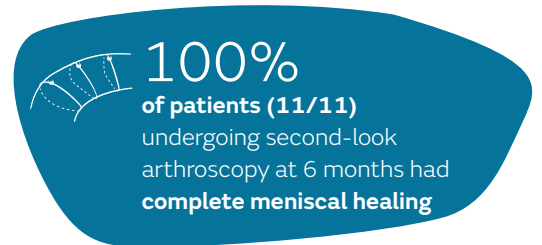
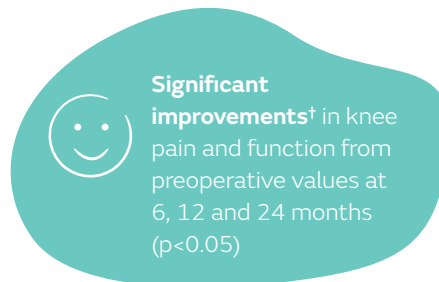
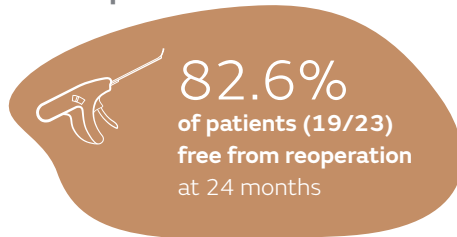


## + Evidence in focus

Publication summary: Kurzweil P, et al. *Arthrosc Sports Med Rehabil* (2021)\*

## Low reoperation rate 24 months after horizontal cleavage tear (HCT) repair with NOVOSTITCH<sup>◇</sup> Meniscal Repair Systems

### + Plus points

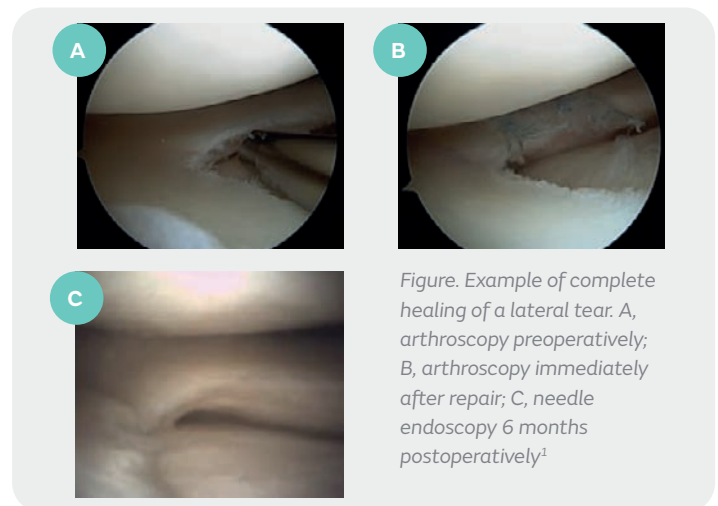


### Overview

- Prospective case series evaluating the effectiveness of all-inside HCT repair using circumferential sutures placed with NOVOSTITCH Meniscal Repair Systems at 8 centres in the US
- Thirty patients with HCTs meeting International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) criteria were enrolled (mean age, 38.2 years); 24-month efficacy data were available for 23 patients
- At 6 months, meniscal healing was assessed by second-look arthroscopy in 11 patients
- Outcomes assessed at 6, 12 and 24 months included reoperation rates, and patient-reported knee pain and function in patients free from reoperation

### Results

- Freedom from reoperation was 96.0% at 6 months (26/27), 91.7% at 12 months (23/25) and 82.6% at 24 months (19/23)
- Complete meniscal healing (no visible defect) in all patients undergoing second-look arthroscopy at 6 months (11/11 patients; Figure)
- Significant improvements<sup>†</sup> in patient-reported knee pain and function from preoperative values at 6, 12 and 24 months (p<0.05):
  - International Knee Documentation Committee (IKDC) score
  - All Knee injury and Osteoarthritis Outcome Score (KOOS) subdomains
  - Lysholm score
  - Tegner score



### Conclusions

All-inside HCT repair with NOVOSTITCH Meniscal Repair Systems resulted in a low 24-month reoperation rate and significant improvements in patient-reported knee pain and function. While HCTs are conventionally treated conservatively or via partial resection, success rates with NOVOSTITCH Meniscal Repair Systems were comparable with more commonly repaired tear types.

### Citation

\*Kurzweil P, Krych A, Anz A, et al. Favorable reoperation rate at 2 years following repair of horizontal cleavage tears using an all suture-based technique: A prospective, multicenter trial. *Arthrosc Sports Med Rehabil*. 2021 Mar 13 [ePub ahead of print].

Available at: [Arthroscopy, Sports Medicine, and Rehabilitation](#) 

### Reference

1. Kurzweil P, Krych A, Anaz A, et al. Does repair of horizontal cleavage meniscus tears improve patient outcomes? 1 year results from prospective multi-center STITCH Trial. Presented at International Cartilage Regeneration & Joint Preservation Society World Congress; October 05-08, 2019, Vancouver, Canada.

<sup>†</sup> The study was not designed to formally test any specific hypotheses