

+ Evidence in focus

Presentation summary: Kurzweil P, et al. AANA (2020)*

High two-year clinical success rate of 82.6% after horizontal cleavage tear (HCT) repair with NOVOSTITCH[◇] Meniscal Repair Systems

+ Plus points

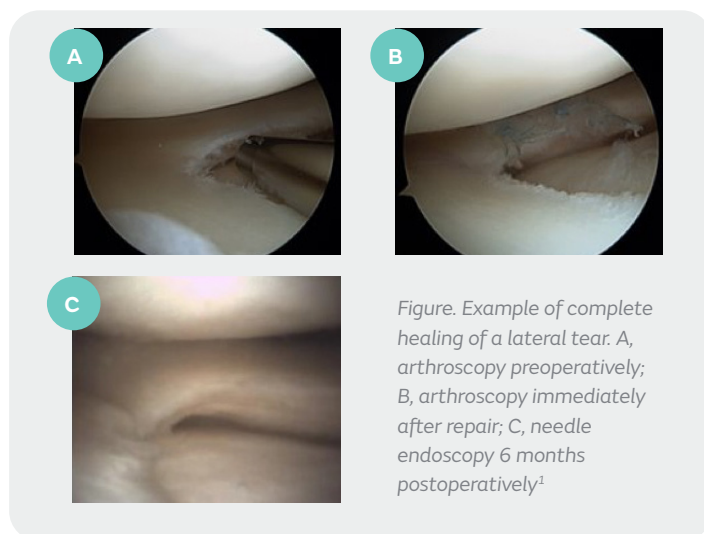


Overview

- Prospective, multicenter case series evaluating the effectiveness of all-inside HCT repair using circumferential sutures placed with NOVOSTITCH Meniscal Repair Systems
- At 2 years, 23/30 enrolled patients (mean age, 38.2±11.1 years) were available for assessment
- Outcomes included reoperation rates (n=23) and patient-reported outcomes at 1 (n=21) and 2 years (n=19), and meniscal healing on needle endoscopy at 6 months (n=11)

Results

- Clinical success rate of 82.6% (19/23 patients) at 2 years, with a reoperation rate of only 17.4% (4/23 patients)[†]
- Complete meniscal healing (no visible defect) in 100% of patients undergoing needle endoscopy at 6 months (11/11 patients; Figure)[†]
- Statistically significant improvements in patient-reported outcomes from baseline to 2 years ($p < 0.001$):
 - International Knee Documentation Committee (IKDC) score
 - Knee injury and Osteoarthritis Outcome Score (KOOS) activities of daily living, pain, quality of life, sport and symptom subscales
 - Lysholm score
 - Tegner score



Conclusions

NOVOSTITCH PRO Meniscal Repair Systems achieved a high clinical success rate of 82.6% in HCT repair, a common tear type historically treated conservatively or via partial resection. Patients had statistically significant improvements in patient-reported outcomes from baseline and lower reoperation rates than previously reported with other HCT repair devices.

Citation

*Kurzweil P, Krych A, Anz A, et al. Does repair of horizontal cleavage meniscus tears improve 2-year patient outcomes? Results from the prospective multi-center STITCH trial. Presented at The Arthroscopy Association of North America Annual Meeting (AANA); May 7-9, 2020; Grapevine, Texas, USA.

Reference

1. Kurzweil P, Krych A, Anz 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.

[†]Clinical success and meniscal healing rates have been updated from the source material following additional data analysis

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