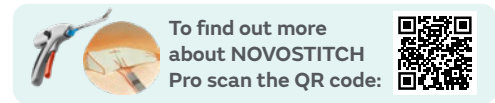


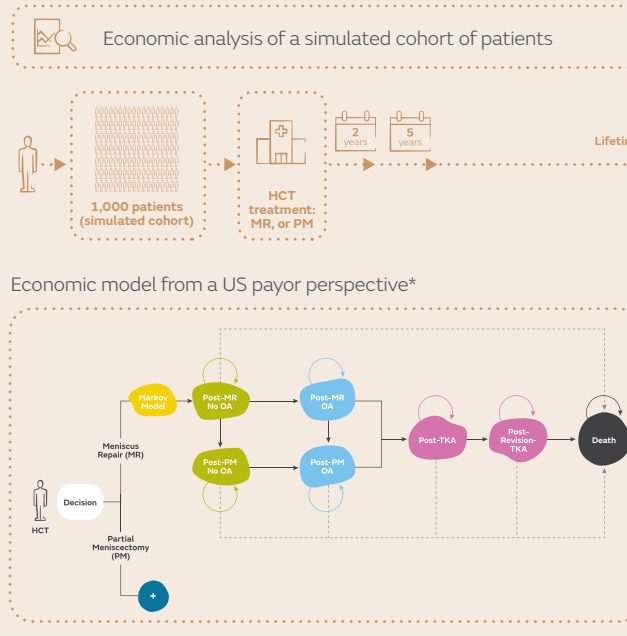
Increasing cost-effectiveness and improved health outcomes in horizontal cleavage tears (HCTs) treated with meniscal repair (MR), with NOVOSTITCH[◇] Pro, compared to partial meniscectomy (PM)¹



Background

- HCTs are estimated to comprise up to one-third of meniscal tears^{2,3}
- 46%** A meta-analysis showed that treating a HCT with MR instead of PM could reduce OA progression risk by 46%⁴
- Reduction in OA risk may reduce the number of patients that require treatment for OA, but may also lower the likelihood that patients need a TKA

Study design

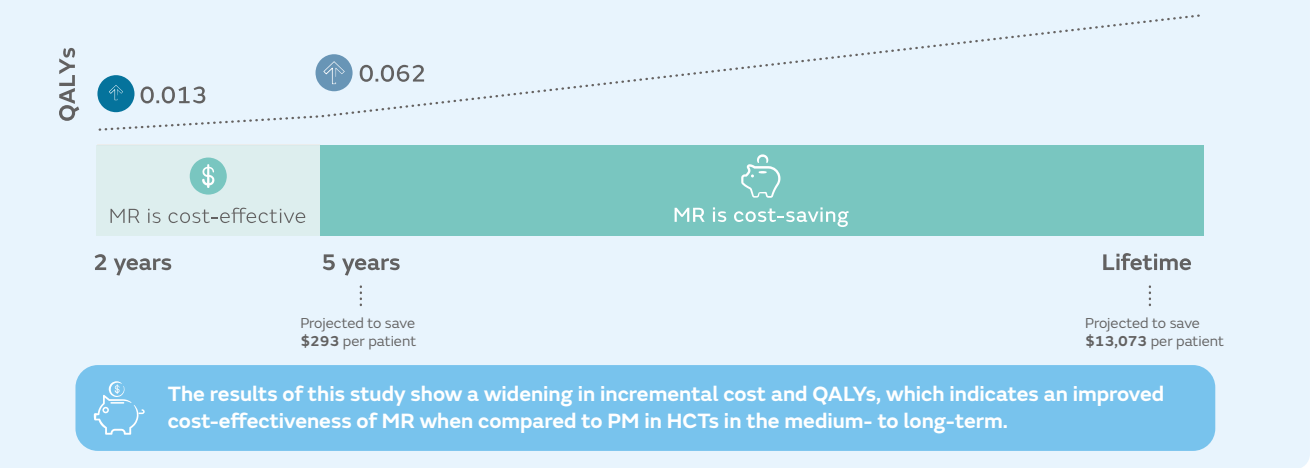


Results

Compared to partial meniscectomy, meniscal repair of horizontal cleavage tears are:

- 2 years** **Cost-effective**; comparable cost to PM (projected to cost \$705 more per patient) and demonstrate improved health outcomes (0.013 QALYs per patient)
- 5 years** **Cost-saving**; projected to cost \$293 less per patient and continue to improve health outcomes (0.062 QALYs per patient)
- Lifetime** **Projected to save \$13,073 per patient** and further improve health outcomes (0.437 QALYs per patient)

Comparison of cost-effectiveness of MR compared to PM in HCTs:



Conclusions

The economic analysis demonstrated that, from a US payor's perspective, meniscal repair with NOVOSTITCH Pro, when compared to partial meniscectomy for the repair of horizontal cleavage tears, is cost-effective 2-years post-operatively, cost-saving 5-years post-operatively and continues to increase savings and improve health outcomes over a projected lifetime.

*Costs were estimated from the perspective of a US third-party payor, with Medicare reimbursement used as a proxy for some parameters and uplifted to present costs in 2021 US Dollar. **Cost effective definition:** MR demonstrates improved clinical outcome versus conventional bearing and is below the cost-effectiveness threshold of the payer. **Cost saving definition:** MR demonstrates improved clinical outcome and costs less than conventional bearing. HCTs = horizontal cleavage tears; MR = meniscal repair; OA = osteoarthritis; PM = partial meniscectomy; QALYs = quality-adjusted life years; TKA = total knee arthroplasty; US = United States.

References
 1. Askew N, Nherera L, Searle R. Cost-effectiveness of meniscus repair when compared to partial meniscectomy for horizontal cleavage tears. Poster presented at: The Professional Society for Health Economics and Outcomes Research (ISPOR) Annual Congress; May 16–18, 2022; Washington DC, USA. 2. Jarraya M, Roemer FW, Englund M, et al. Meniscus morphology: Does tear type matter? A narrative review with focus on relevance for osteoarthritis research. *Semin Arthritis Rheum.* 2017;46(5):552-561. 3. Metcalf MH, Barrett GR. Prospective evaluation of 1485 meniscal tear patterns in patients with stable knees. *Am J Sports Med.* 2004;32:675-680. 4. Smith+Nephew Global Clinical and Medical Affairs; Meniscal repair vs. meniscectomy: A systematic literature review with meta-analysis of comparative clinical studies EA/SPM/KneeRepair/002/v1.