

Labral Revision Reconstruction in the Hip: Midterm Outcomes with a Nested Propensity-Matched Control



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Disclosures

I (and/or my co-authors) have something to disclose.

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Introduction

- Differences in outcomes between primary and revision hip arthroscopy are well-documented
- However, comparisons between primary and revision labral reconstruction are limited, especially midterm outcomes
- Purpose: to evaluate whether revision arthroscopic labral reconstruction achieves comparable minimum 5-year patient-reported outcomes (PROs) and survivorship to primary labral reconstruction.

Methods

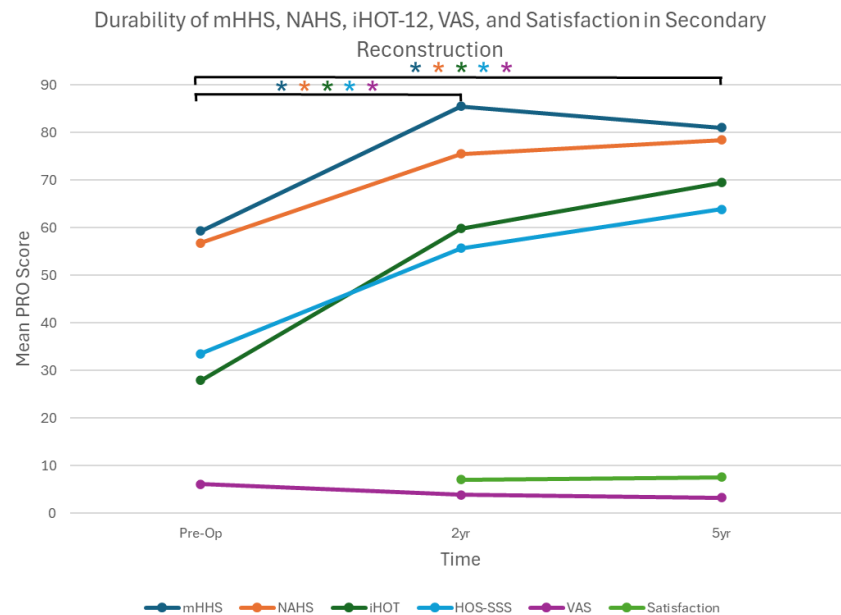
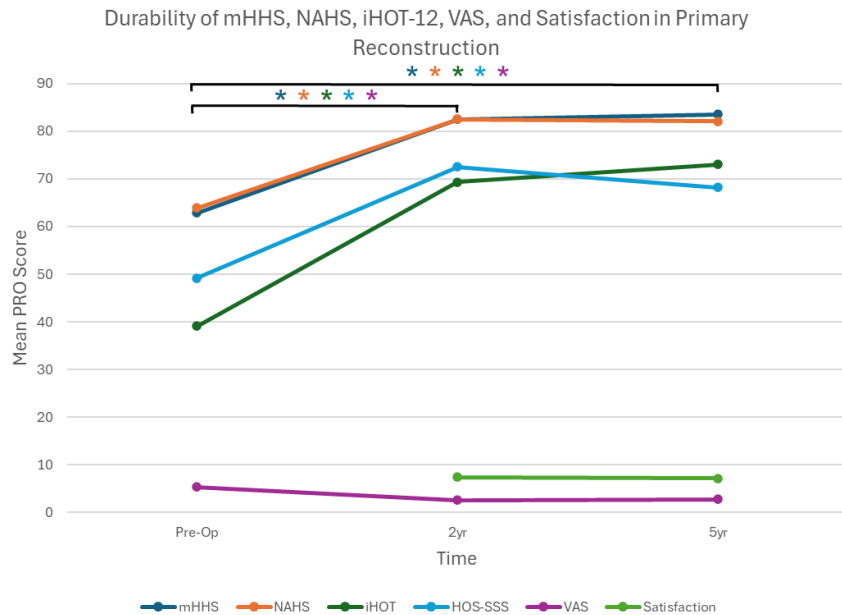
- Inclusion Criteria:
 - Revision labral reconstruction
 - Preoperative and minimum 5-year follow-up for:
 - mHHS, NAHS, HOS-SSS, iHOT-12, VAS, and patient satisfaction
- Exclusion Criteria:
 - Tonnis >1, pre-existing hip conditions, LCEA <20, GM Repair, WC claims
- 1:1 Matching Criteria:
 - Age, Sex, BMI, LCEA, and Capsular Treatment

Results

- Preoperatively
 - Primary reconstruction cohort had greater cartilage damage but higher baseline NAHS, iHOT-12, and HOS-SSS scores ($p < 0.01$).
- 5-year follow-up
 - Both cohorts showed significant improvements in all PROs ($p < 0.01$) with no significant differences in postoperative outcomes ($p > 0.01$) or in achieving clinically meaningful thresholds.

Patient Reported Outcome	Primary Reconstruction	Revision	P-Value
mHHS			
Pre-operative	62.9 ± 15.4	59.3 ± 11.5	0.31
Post-operative	83.5 ± 17.2	81 ± 18.6	0.55
Delta	19.5 ± 21.4	22.1 ± 21.2	0.65
P-Value	<.0001	<.0001	
NAHS			
Pre-operative	63.9 ± 15.6	56.8 ± 12.5	0.048
Post-operative	82.1 ± 16.5	78.4 ± 19.1	0.4
Delta	17.5 ± 18.1	21.5 ± 21.4	0.45
P-Value	<.0001	<.0001	
iHOT			
Pre-operative	39.1 ± 22.1	27.9 ± 15.4	0.04
Post-operative	73.0 ± 23.8	69.4 ± 25.6	0.71
Delta	42.9 ± 29.1	43.1 ± 35.2	0.99
P-Value	<.0001	<.0001	
HOS-SSS			
Pre-operative	49.2 ± 24.2	33.5 ± 19.4	0.004
Post-operative	68.2 ± 29.4	63.8 ± 27.2	0.5
Delta	19.2 ± 40.6	28.9 ± 34.3	0.39
P-Value	0.01	<.0001	
VAS			
Pre-operative	5.35 ± 2.38	6.08 ± 1.86	0.16
Post-operative	2.78 ± 2.19	3.25 ± 2.64	0.68
Delta	-2.43 ± 2.60	-2.64 ± 3.40	0.79
P-Value	0.0002	<.0001	
Satisfaction	7.17 ± 3.22	7.56 ± 2.36	0.96

Results



Conclusions

- Both primary and revision arthroscopic labral reconstructions provide significant, durable clinical improvements over a minimum 5-year follow-up
- Midterm outcomes were comparable, highlighting the efficacy of revision reconstruction in appropriately selected patients.

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