

Are Short-term Outcomes of Hip Arthroscopy in Patients 55 Years and Older Inferior to Those in Younger Patients?

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Conflict of Interest Disclosures

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Purpose

- Evaluate the clinical outcomes of patients 55 years and older who are undergoing hip arthroscopy
- Compare outcomes with those of patients younger than 55 years.



Methods

- 201 patients undergoing primary hip arthroscopy for FAI without radiographic arthritis (Tönnis grade <3) were isolated from a prospective database and stratified by age to <55-year and ≥55year groups.
- Patients were evaluated preoperatively and 1 and 2 years
 postoperatively using the modified Harris Hip Score (mHHS) and
 Hip Outcome Score (HOS: functional scores, as well as Activities
 of Daily Living [ADL] and Sport subscales).
- A Wilcoxon signed rank sum test was used to evaluate the differences in outcome scores between the cohorts at each interval.



Results:

Table 1 Primary and Concomitant Procedures of Patients Undergoing Hip Arthroscopy for FAI

	<55 Years	55 Years	P-value
	(n = 174)	(n = 27)	
Primary procedure	111 (64)	6 (22)	<.001
Labral repair	63 (36)	21 (78)	
Labral debridement	174 (100)	27 (100)	N/A
Cam resection	174 (100)	27 (100)	N/A
Pincer resection	174 (100)	19 (70)	<.001
Additional procedures			
Chondroplasty/microfract ure	10 (6)	19 (70)	<.001
Capsular Closure	80 (46)	9 (33)	.29



Results

- The <55-year group included 174 patients (mean age, 37 ± 12 years), and the ≥55-year group included 27 patients (mean age, 61 ± 5 years).
- The ≥55-year cohort underwent labral debridement more frequently (78% vs 36%; P = .02) and were more likely to have full-thickness cartilage defects (22% vs 4%; P = .04).
- mHHS in both groups improved significantly from baseline, without significant differences at 1 year (86 [≥55 years] vs 81 [<55 years]; P = .53) or 2 years (73.88 [≥55 years] vs 79.54 [<55 years]; P = .06).
- Patients <55 years had significant improvements over patients ≥55 years in the HOS subscales for ADL score (85.6 vs 75.2; P = .03), ADL rating (80.1 vs 70.0; P = .004), Sport score (70.2 vs 55.6; P = .04), and Sport rating (70.2 vs 58.0; P = .04).



Results:

Figure 1: Modified Harris Hip Score (mHHS) after hip arthroscopy in patients <55 years and those ≥55 years.

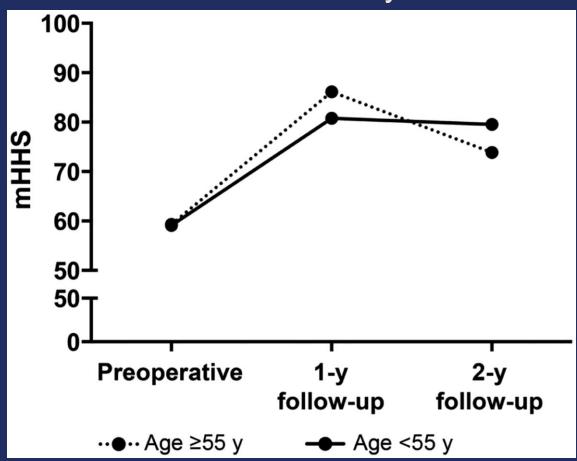
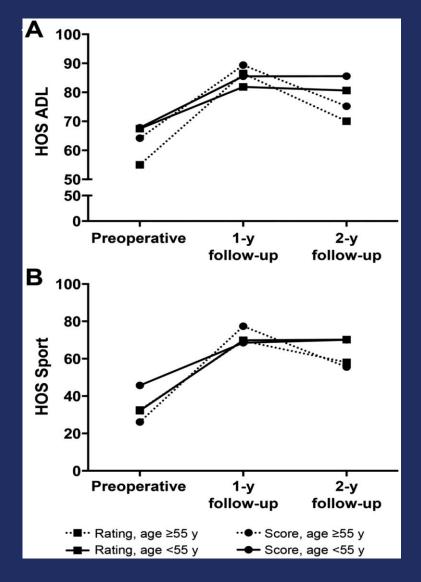




Figure 2: Hip Outcome Score (HOS) results after hip arthroscopy in patients <55 years and those ≥55 years: (A) Activities of Daily Living (ADL) subscore and (B) Sport subscore. Preoperative and 1-year Sport subscore and rating for ≥55 and <55 years are superimposed because of similar scores; 2-year Sport subscore and rating for <55 years are also superimposed

Results:





Conclusion

- Although younger patients had superior HOS outcomes reported at 2 years compared with older patients after hip arthroscopy for FAI, both groups had significant improvement compared with their baseline.
- Carefully selected patients 55 years and older without radiographic arthritis may benefit from hip arthroscopy.



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