The following content was supplied by the authors as supporting material and has not been copy-edited or verified by JBJS.

Supplemental Table 1 – *Covariates used for adjustment in multivariable models*

Outcome Variable	Final Model Covariates
All Variables	Sex, Follow-up Duration, α-angle, Lateral Center Edge Angle
Final PROMs	Additional covariates*
mHHS	mHHS Score, UCLA Activity Level, BMI
HOOS – ADL	HOOS-ADL, mHHS
HOOS – Pain	HOOS-Pain, mHHS, BMI
HOOS – QoL	HOOS-QoL, mHHS, Age
HOOS - S&R	HOOS-S&R, mHHS, UCLA Activity Level
HOOS – Symptoms	HOOS-Symptoms, mHHS, BMI
SF12 – Physical	SF-12 Physical, SF-12 Mental, mHHS, Age
Composite Outcomes	
mHHS MCID	BMI
mHHS PASS	mHHS, UCLA Activity Level, BMI,
Composite Failure	mHHS Score, UCLA Activity Level, Bilateral surgery
Conversion to THA	Femoral Head Chondroplasty, Tonnis Osteoarthritis Grade, Age
Revision	mHHS Score, Tonnis Osteoarthritis Grade

*All PROMs are preoperative scores

Supplemental Table 2 – *Preoperative and Postoperative Patient-Reported Outcome (PRO) Scores by Gender*

PRO Measure	MCID	Male Hips (n= 269)	Female Hips (n=352)	Median Difference Male – Female	P Value
Preoperative Scores					
mHHS	8	68.2[56.1,73.7]	58.3[47.3,67.1]	9.9	<.001
HOOS					
ADL	6	74.3[57.6,89.7]	61.8[45.6,77.9]	12.5	<.001
Pain	9	65.0[47.5,82.5]	50.0[37.5,65.0]	15.0	<.001
QoL	11	31.3[18.8,50.0]	25.0[12.5,43.8]	6.3	<.001
Sport & Rec	10	50.0[37.5,68.8]	37.5[25.0,56.3]	12.5	<.001
Symptoms	9	65.0[50.0,75.0]	50.0[35.0,65.0]	15.0	<.001
SF-12 Mental	-	55.4[45.4,59.8]	55.1[46.0,61.1]	0.3	.544
SF-12 Physical	-	40.8[33.4,48.9]	35.4[27.9,42.3]	5.4	<.001
Postoperative Scores					
mHHS	8	90.8[73.7,97.9]	81.4[64.9,95.7]	9.4	<.001
HOOS					
ADL	6	96.3[82.4,100.0]	91.1[72.1,98.5]	5.2	.004
Pain	9	87.5[70.0,97.5]	80.0[60.0,95.0]	7.5	.001
QoL	11	68.8[43.8,87.5]	62.5[37.5,81.3]	6.3	.026
Sport & Rec	10	81.3[62.5,93.8]	75.0[50.0,93.8]	6.3	.006
Symptoms	9	80.0[65.0,95.0]	75.0[60.0,90.0]	5.0	.003
SF-12 Mental	-	57.1[49.5,59.7]	56.2[48.5,59.7]	0.9	.614
SF-12 Physical	-	51.3[40.5,56.2]	47.7[35.7,55.6]	3.6	.008

Data is presented as median[IQR]. P values are from Wilcoxon Rank Sum Tests. ADL – Activities of Daily Living; QoL – Quality of Life; Rec – Recreation.