

TABLE E-1 Complete Multiple Regression Models for Change in Range of Motion*			
Outcome	Variable	Parameter Estimate (95% CI) (deg)	P Value
IR at 90° flexion	Intercept	24.7 (18.7 to 30.8)	<0.001
	Femoral version group		
	Decreased vs. normal	-0.9 (-3.6 to 1.8)	0.507
	Increased vs. normal	1.0 (-1.7 to 3.8)	0.450
	Alpha angle in deg	0.0 (-0.1 to 0.1)	0.837
	Preop. IR at 90° flexion in deg	-0.8 (-0.9 to -0.7)	<0.001
Flexion	Intercept	107.7 (75.7 to 139.8)	<0.001
	Femoral version group		
	Decreased vs. normal	-0.9 (-5.4 to 3.5)	0.679
	Increased vs. normal	-3.8 (-8.0 to 0.4)	0.077
	Alpha angle in deg	0.0 (-0.2 to 0.1)	0.509
	Preop. flexion in deg	-1.0 (-1.3 to -0.7)	<0.001
ER	Intercept	43.2 (38.6 to 47.8)	<0.001
	Femoral version group		
	Decreased vs. normal	-0.5 (-2.1 to 1.0)	0.506
	Increased vs. normal	-0.4 (-1.9 to 1.0)	0.550
	Alpha angle in deg	0.0 (-0.1 to 0.0)	0.478
	Preop. ER in deg	-1.0 (-1.0 to -0.9)	<0.001

*Decreased version was <5°, normal version was 5° to 20°, and increased version was >20°. IR = internal rotation, and ER = external rotation.

TABLE E-2 Complete Multiple Regression Models for Change in Patient-Reported Outcome Score*			
Outcome	Variable	Parameter Estimate (95% CI)	P Value
mHHS	Intercept	57.2 (33.6 to 80.8)	<0.0001
	Femoral version group		
	Decreased vs. normal	-8.1 (-13.7 to -2.6)	0.004
	Increased vs. normal	0.1 (-5.2 to 5.5)	0.959
	Age in yr	-0.2 (-0.5 to 0.0)	0.017
	Female sex	4.6 (-0.1 to 9.3)	0.054
	BMI in kg/m ²	0.4 (-0.2 to 1.0)	0.156
	Preop. mHHS	-0.6 (-0.8 to -0.5)	<0.001
	Cam decompression	2.7 (-7.2 to 12.6)	0.589
	Preop. IR at 90° flexion in deg	-0.2 (-0.4 to 0.0)	0.107
Length of mHHS follow-up in mo	0 (-0.3 to 0.2)	0.854	
HOS ADL	Intercept	72.0 (51.8 to 92.2)	<0.0001
	Femoral version group		
	Decreased vs. normal	-6.8 (-11.8 to -1.8)	0.008
	Increased vs. normal	1.5 (-3.2 to 6.2)	0.528
	Age in yr	-0.2 (-0.4 to 0.0)	0.054
	Female sex	4.4 (0.3 to 8.5)	0.037
	BMI in kg/m ²	0.1 (-0.4 to 0.7)	0.670
	Preop. HOS ADL	-0.7 (-0.8 to -0.6)	<0.001
	Cam decompression	3.6 (-5.5 to 12.7)	0.435
	Preop. IR at 90° flexion in deg	-0.1 (-0.3 to 0.1)	0.315
Length of HOS ADL follow-up in mo	-0.2 (-0.5 to 0.0)	0.086	
HOS Sports	Intercept	74.5 (37.8 to 111.2)	<0.001
	Femoral version group		
	Decreased vs. normal	-13.3 (-23.1 to -3.6)	0.008
	Increased vs. normal	0.5 (-8.9 to 9.9)	0.912
	Age in yr	-0.2 (-0.6 to 0.1)	0.238
	Female sex	9.2 (1.3 to 17.1)	0.023
	BMI in kg/m ²	-0.2 (-1.3 to 0.8)	0.660
	Preop. HOS Sports	-0.7 (-0.9 to -0.6)	<0.001
	Cam decompression	8.5 (-9.8 to 26.7)	0.361
	Preop. IR at 90° flexion in deg	-0.2 (-0.6 to 0.2)	0.236
Length of HOS Sports follow-up in mo	-0.5 (-1.0 to 0.0)	0.040	
iHOT-33	Intercept	43.8 (7.6 to 80.0)	0.018
	Femoral version group		
	Decreased vs. normal	-15.9 (-24.9 to -7.0)	<0.001
	Increased vs. normal	-5.4 (-14.0 to 3.2)	0.219
	Age in yr	-0.1 (-0.4 to 0.3)	0.716
	Female sex	9.8 (2.1 to 17.4)	0.012
	BMI in kg/m ²	0.3 (-0.7 to 1.2)	0.591
	Preop. iHOT-33	-0.5 (-0.7 to -0.3)	<0.001

continued

TABLE E-2 (continued)			
Outcome	Variable	Parameter Estimate (95% CI)	P Value
	Cam decompression	4.4 (-13.1 to 22.0)	0.620
	Preop. IR at 90° flexion in deg	-0.1 (-0.5 to 0.3)	0.626
	Length of iHOT-33 follow-up in mo	-0.1 (-0.5 to 0.3)	0.707
*Decreased version was <5°, normal version was 5° to 20°, and increased version was >20°. IR = internal rotation.			

TABLE E-3 Complete Multiple Logistic Regression Models for Improvement by at Least the Outcome MCID*			
Outcome	Variable	OR (95% CI)	P Value
mHHS improvement by ≥8 points	Femoral version group		
	Decreased vs. normal	0.32 (0.14 to 0.72)	0.006
	Increased vs. normal	0.80 (0.37 to 1.73)	0.576
	Age in yr	0.98 (0.95 to 1.02)	0.292
	Female sex	1.73 (0.86 to 3.50)	0.127
	BMI in kg/m ²	1.00 (0.91 to 1.10)	0.989
	Preop. mHHS	0.96 (0.93 to 0.99)	0.003
	Length of mHHS follow-up in mo	0.97 (0.93 to 1.01)	0.091
HOS ADL improvement by ≥5 points	Femoral version group		
	Decreased vs. normal	0.52 (0.21 to 1.27)	0.151
	Increased vs. normal	1.55 (0.68 to 3.51)	0.297
	Age in yr	1.00 (0.97 to 1.03)	0.988
	Female sex	0.93 (0.44 to 1.95)	0.843
	BMI in kg/m ²	0.89 (0.80 to 0.99)	0.036
	Preop. HOS ADL	0.92 (0.90 to 0.95)	<0.001
	Length of HOS ADL follow-up in mo	0.95 (0.91 to 0.99)	0.025
HOS Sports improvement by ≥6 points	Femoral version group		
	Decreased vs. normal	0.43 (0.18 to 1.03)	0.058
	Increased vs. normal	0.92 (0.42 to 2.04)	0.837
	Age in yr	0.96 (0.93 to 0.99)	0.020
	Female sex	1.05 (0.51 to 2.14)	0.904
	BMI in kg/m ²	0.95 (0.86 to 1.05)	0.343
	Preop. HOS Sports	0.97 (0.96 to 0.99)	0.001
	Length of HOS Sports follow-up in mo	0.96 (0.92 to 1.01)	0.092
iHOT-33 improvement by ≥10 points	Femoral version group		
	Decreased vs. normal	0.33 (0.13 to 0.84)	0.020
	Increased vs. normal	0.65 (0.26 to 1.64)	0.364
	Age in yr	1.00 (0.97 to 1.04)	0.908
	Female sex	2.59 (1.09 to 6.17)	0.032
	BMI in kg/m ²	1.00 (0.89 to 1.12)	0.942
	Preop. iHOT-33	0.98 (0.96 to 1.01)	0.129
	Length of iHOT-33 follow-up in mo	0.99 (0.94 to 1.03)	0.537
*Decreased version was <5°, normal version was 5° to 20°, and increased version was >20°.			