

TABLE E-1 Comparisons of Change (Postoperative Minus Preoperative) in Range of Motion Measures with Various Risk Factors*

	Risk Factors					
	Male		Female		Difference	
Differences	No.	Mean (SD)	No.	Mean (SD)	Mean (95% CI)	P Value†
Abduction	61	51.7 (53.8)	32	58.3 (44.6)	6.6 (-14.3,27.5)	0.53
External rotation	61	32.1 (34.4)	31	37.1 (41.3)	5.0 (-12.4,22.3)	0.58
Pain	62	-2.8 (1.1)	33	-2.6 (1.3)	0.1 (-0.4,0.7)	0.58
	Preoperative subluxation – none or mild		Preoperative subluxation – moderate or severe			
Differences	No.	Mean (SD)	No.	Mean (SD)	Mean (95% CI)	P Value†
Abduction	67	55.8 (50.5)	10	72.5 (50.6)	-16.7 (-54.5,21.1)	0.35
External rotation	67	34.3 (37.0)	10	30.5 (42.8)	3.8 (-27.6,35.1)	0.80
Pain	67	-2.8 (1.2)	10	-2.9 (1.2)	0.1 (-0.8,1.0)	0.77
	Neer – satisfactory or excellent		Neer – unsatisfactory			
Differences	No.	Mean (SD)	No.	Mean (SD)	Mean (95% CI)	P Value†
Abduction	73	63.1 (46.2)	20	21.0 (53.8)	42.1 (15.0,69.1)	0.004
External rotation	72	42.8 (33.1)	20	1.5 (30.9)	41.3 (25.1,57.4)	<0.001
Pain	74	-3.0 (0.9)	21	-1.7 (1.5)	-1.4 (-2.0,-0.7)	<0.001
	Postoperative subluxation – none or mild		Postoperative subluxation – moderate or severe			
Differences	No.	Mean(SD)	No.	Mean (SD)	Mean (95% CI)	P Value†
Abduction	63	65.1 (46.2)	20	26.5 (53.4)	38.6 (11.4,65.8)	0.007
External rotation	63	35.4 (35.9)	20	28.5 (37.1)	6.9 (-12.4,26.2)	0.47
Pain	64	-2.8 (1.1)	20	-2.6 (1.4)	-0.2 (-0.9,0.5)	0.54
	Postoperative humeral lucency – none		Postoperative humeral lucency – any			
Differences	No.	Mean (SD)	No.	Mean (SD)	Mean (95% CI)	P Value†
Abduction	46	55.4 (49.6)	38	56.2 (51.6)	-0.8 (-22.9,21.3)	0.94
External rotation	46	35.2 (33.7)	38	32.5 (38.9)	2.7 (-13.3,18.7)	0.74

Pain	47	-2.7 (1.2)	39	-2.8 (1.1)	0.1 (-0.4,0.7)	0.56
	Postoperative glenoid lucency – none		Postoperative glenoid lucency – any			
Differences	No.	Mean (SD)	No.	Mean (SD)	Mean (95% CI)	P Value†
Abduction	13	62.7 (48.9)	71	54.5 (50.6)	8.2 (-23.1,39.5)	0.59
External rotation	13	38.1 (37.7)	71	33.2 (35.9)	4.8 (-19.1,28.8)	0.67
Pain	13	-3.0 (1.0)	73	-2.7 (1.2)	-0.2 (-0.9,0.4)	0.44

*SD = standard deviation, and CI = confidence interval. †P value with use of two-sample t-test assuming unequal variances.