

TABLE E-1 Imaging and Clinical Variables

Variable*	N	Mean	Stand. Dev.	Median	1st Quartile	3rd Quartile	Min.	Max.
Skewness ratio								
Preop., affected side	32	0.76	0.14				0.54	1.03
Postop., affected side	32	0.85	0.1				0.66	1.05
Preop., unaffected side	32	0.86	0.08				0.72	1.03
Postop., unaffected side	32	0.87	0.1				0.73	1.12
Total Mallet								
Preop.	30	13.3	2.3				8.0	18.0
Postop.	32	16.7	2.3				12.0	21.0
Change	30			3.0	1.0	5.0	0.0	10.0
Passive ext. rotation (deg)								
Preop.	29			35	10	50	-30	80
Postop.	30			80	63	90	0	98
Change	29			40	0	63	-50	100
Time from surgery to 2nd MRI (mo)	32			14.2	12.1	20.4	11.0	58.7
Patient age at 1st MRI (yr)	32			2.9	2.0	5.4	0.7	11.5
Patient age at surgery (yr)	32			2.9	2.2	5.8	0.8	11.6

*MRI = magnetic resonance imaging.

TABLE E-2 Intraobserver and Interobserver Reliability

Variable*	Intraobserver Kappa	Interobserver Kappa
Humeral head area, anterior, unaffected side, preop.	0.72	0.98
Humeral head area, posterior, unaffected side, preop.	0.91	0.96
Skewness ratio, unaffected side, preop.	0.49	0.60
Humeral head area, total, unaffected side, preop.	0.82	0.98
Posterior subluxation of humeral head, unaffected side, preop.	0.87	0.72
Glenoid version angle, unaffected side, preop.	0.37	0.72
Humeral head area, anterior, affected side, preop.	0.93	0.94
Humeral head area, posterior, affected side, preop.	0.91	0.69
Skewness ratio, affected side, preop.	0.72	0.65
Humeral head area, total, affected side, preop.	0.92	0.82
Posterior subluxation of humeral head, affected side, preop.	0.75	0.57
Glenoid version angle, affected side, preop.	0.96	0.99
Humeral head area, anterior, unaffected side, postop.	0.61	0.91
Humeral head area, posterior, unaffected side, postop.	0.53	0.87
Skewness ratio, unaffected side, postop.	0.37	0.62
Humeral head area, total, unaffected side, postop.	0.58	0.90
Posterior subluxation of humeral head, unaffected side, postop.	0.62	0.84
Glenoid version angle, unaffected side, postop.	0.64	0.77
Humeral head area, anterior, affected side, postop.	0.77	0.85
Humeral head area, posterior, affected side, postop.	0.77	0.86
Skewness ratio, affected side, postop.	0.53	0.71
Humeral head area, total, affected	0.79	0.90

side, postop.		
Posterior subluxation of humeral head, affected side, postop.	0.85	0.85
Glenoid version angle, affected side, postop.	0.80	0.91

*The area of the humeral head region anterior to the midglenoid, the area of the humeral head region posterior to the midglenoid, and the total area of both regions were measured. The posterior subluxation of the humeral head was reflected by the percentage of the humeral head that lay anterior to the midglenoid.