

Elbow Condition	Flexion (degrees)	Valgus Laxity* (degrees)		Posterolateral Rotatory Laxity** (degrees)		Dislocation (n) [‡]
		mean ± sd	p ^{§§}	mean ± sd	p ^{§§}	
LUCL refixed (testing model)	10	2.9 ± 1.1		5.9 ± 1.3		0
	60	3.8 ± 1.0		9.0 ± 2.4		0
	110	2.8 ± 1.3		8.7 ± 1.6		0
defect radial head	10	3.7 ± 0.8	0.25 [§]	10.1 ± 3.2	0.09 [§]	0
	60	5.3 ± 2.1	0.17 [§]	18.6 ± 2.0	<0.0001 [§]	0
	110	3.5 ± 1.8	0.55 [§]	13.7 ± 2.9	0.0009 [§]	0
defect 30% coronoid + radial head	10	6.2 ± 2.0	<0.0001 [§]	18.1 ± 4.4	<0.0001 [§]	1
	60	13.7 ± 3.0	<0.0001 [§]	28.7 ± 3.9	<0.0001 [§]	7
	110	8.7 ± 1.9	<0.0001 [§]	22.1 ± 2.3	<0.0001 [§]	6
defect 30% coronoid, rigid prosthesis	10	3.1 ± 1.2	0.77 [§]	7.9 ± 1.2	0.2 [§]	0
	60	3.1 ± 0.6	0.55 [§]	11.4 ± 2.8	0.18 [§]	0
	110	3.8 ± 3.0	0.4 [§]	10.6 ± 2.6	0.18 [§]	0
defect 30% coronoid, floating prosthesis	10	3.6 ± 1.4	0.33 [§]	11.7 ± 2.9	0.0007 [§]	0
	60	6.2 ± 2.3	0.03 [§]	16.9 ± 4.9	<0.0001 [§]	0
	110	5.1 ± 2.5	0.05 [§]	15.9 ± 3	<0.0001 [§]	0
defect 50% coronoid + radial head	10	12.1 ± 4.0	<0.0001 [§]	24.3 ± 2.9	<0.0001 [§]	7
	60	19.9 ± 3.3	<0.0001 [§]	35.6 ± 3.5	<0.0001 [§]	7
	110	16.7 ± 3.5	<0.0001 [§]	30.9 ± 2.0	<0.0001 [§]	7
defect 50% coronoid, rigid prosthesis	10	3.5 ± 0.9	0.56 [§]	10.4 ± 3.6	0.1 [§]	0
	60	3.9 ± 0.9	0.95 [§]	16.0 ± 4.2	0.0005 [§]	0
	110	2.9 ± 1.3	0.95 [§]	14.3 ± 4.3	0.03 [§]	0
defect 50% coronoid, floating prosthesis	10	4.1 ± 1.4	0.24 [§]	13.6 ± 3.9	<0.0001 [§]	0
	60	6.1 ± 1.3	0.03 [§]	20.1 ± 4.2	0.0001 [§]	0
	110	4.6 ± 2.4	0.14 [§]	19.6 ± 4.0	<0.0001 [§]	1
defect 70% coronoid, + radial head	10	14.9 ± 3.8	<0.0001 [§]	28.6 ± 5.4	<0.0001 [§]	7
	60	20.4 ± 3.0	<0.0001 [§]	42.0 ± 6.8	<0.0001 [§]	7
	110	18.3 ± 4.0	<0.0001 [§]	30.4 ± 4.8	<0.0001 [§]	7
defect 70% coronoid, rigid prosthesis	10	4.4 ± 1.4	0.23 [§]	15.7 ± 5.1	0.0001 [§]	0
	60	4.2 ± 1.8	0.68 [§]	22 ± 5.6	<0.0001 [§]	0
	110	3.6 ± 1.8	0.54 [§]	18.3 ± 4.5	<0.0001 [§]	1
defect 70% coronoid, floating prosthesis	10	6.2 ± 2.8	0.01 [§]	19.3 ± 4.2	<0.0001 [§]	1
	60	6.9 ± 1.2	0.005 [§]	26 ± 3.3	<0.0001 [§]	2
	110	5.7 ± 1.9	0.03 [§]	23.1 ± 3.3	<0.0001 [§]	3
coronoid allograft, defect radial head	10	3.1 ± 2.5	0.77 ^{§§}	14.9 ± 7.7	0.0005 ^{§§}	1
	60	3.5 ± 2.6	0.78 ^{§§}	18.9 ± 5.5	<0.0001 ^{§§}	0
	110	2.6 ± 3.4	0.85 ^{§§}	16 ± 6.8	0.0008 ^{§§}	1
coronoid allograft, rigid prosthesis	10	0.9 ± 0.8	0.01 ^{§§}	4.6 ± 2.4	0.58 ^{§§}	0
	60	1.9 ± 1.4	0.07 ^{§§}	6.7 ± 1.6	0.17 ^{§§}	0
	110	1.1 ± 1.4	0.15 ^{§§}	7.4 ± 1.7	0.52 ^{§§}	0
coronoid allograft, floating prosthesis	10	1.4 ± 1.0	0.05 ^{§§}	8.4 ± 4.1	0.28 ^{§§}	0
	60	2.2 ± 1.8	0.12 ^{§§}	9.4 ± 2.1	0.11 ^{§§}	0
	110	1.2 ± 1.7	0.17 ^{§§}	10 ± 2.6	0.79 ^{§§}	1
transfer tip olecranon, defect radial head	10	3.4 ± 2.5	0.6 ^{§§}	14.9 ± 5.6	<0.0001 ^{§§}	0
	60	4.7 ± 3.7	0.5 ^{§§}	21.1 ± 4.3	<0.0001 ^{§§}	0
	110	4.4 ± 3.6	0.24 ^{§§}	18.1 ± 4.3	<0.0001 ^{§§}	1
transfer tip olecranon, rigid prosthesis	10	3.1 ± 2.0	0.82 ^{§§}	7.1 ± 2.8	0.51 ^{§§}	0
	60	3.3 ± 2.3	0.72 ^{§§}	10.1 ± 4	0.54 ^{§§}	0
	110	2.5 ± 2.5	0.84 ^{§§}	10.9 ± 3.4	0.23 ^{§§}	0
transfer tip olecranon, floating prosthesis	10	3.2 ± 1.9	0.71 ^{§§}	9.3 ± 3.5	0.08 ^{§§}	0
	60	4.4 ± 3.0	0.68 ^{§§}	13.3 ± 3.9	0.03 ^{§§}	0
	110	2.9 ± 2.9	0.96 ^{§§}	13.7 ± 3.7	0.008 ^{§§}	0

LUCL = lateral ulnar collateral ligament. *Valgus laxity measured after a valgus torque of 0.825 N-m was applied to the ulna. **Posterolateral rotatory laxity measured after a valgus torque of 0.825 N-m and a supinating torque of 0.75 N-m were applied to the ulna. ^{§§§}p values, comparison with the testing model (see text). Due to the Bonferroni correction factor, significance in differences with p value less than 0.005 ([§]) or 0.0083 (^{§§}). [‡]complete dislocation of ulnohumeral joint.