

Table E-1: Patient Data*													
Case	Sex, Age	Classification	Ipsilateral Injuries	Approach (Skin)	Approach (Interval)	Fixation	Bone Graft	Other Procedures	Follow-up (Months)	MEPI	Range of Motion	Radiographic Abnormalities	Complications
1	F, 41	Type 1A	None	Lateral	Kaplan	Screw	None	None	121	100	151 to 5	None	None
2	F, 56	Type 1A	None	Posterior	Boyd and Kaplan	Screws	None	None	83	100	147 to 11	None	None
3	F, 37	Type 1A	None	Posterior	Kaplan and Kocher	Screws	None	None	23	100	145 to 10	Screw Loosening	None
4	F, 42	Type 1A	None	Posterior	Kaplan and Boyd	Screws	None	None	16	100	143 to 1	None	None
5	F, 62	Type 1A	1. Radial Head Fracture 2. Lateral Ligament Tear 3. Scaphoid Fracture (cast)	Posterior	Kaplan and Boyd	Screws	None	1. Radial Head Arthroplasty 2. Lateral Ligament Repair	70	100	145 to 12	None	None
6	F, 28	Type 1A	None	Posterior	Lateral Ligament Release	Screws	None	None	27	100	148 to 24	None	None
7	M, 23	Type 1A	MCL Tear (cast brace)	Posterior	Kocher and Lateral Ligament Release	Screws	None	None	20	100	147 to 10	None	None
8	F, 45	Type 1A	None	Posterior	Kaplan	Screws	None	None	61	100	143 to 2	None	None
9	F, 20	Type 1A	None	Lateral	Kaplan	Screws	None	None	19	100	134 to 19	None	None
10	F, 48	Type 1B	Lateral Epicondyle Fracture	Posterior	Kaplan and Kocher	Screws	None	ORIF Lateral Epicondyle (1/3 Semi-tubular plate)	71	85	142 to -6	None	None
11	F, 39	Type 1B	None	Anterolateral	Kaplan	Screws	Distal Radius	None	49	100	140 to 0	None	None
12	F, 54	Type 2A	Radial Head Fracture	Posterior	Kaplan and Kocher	Screws	None	ORIF Radial Head (absorbable pin)	59	85	143 to 7	Anterior Calcification	None
13	F, 61	Type 2B	None	Posterior	Olecranon Osteotomy (tension band and K wires)	Screws	Iliac Crest	None	79	100	150 to 21	None	None
14	F, 32	Type 2B	Lateral Ligament Tear, MCL Tear	Posterior	Kaplan and Boyd	Screws	None	1. Lateral Ligament Repair 2. Revision ORIF, MCL plication, Olecranon Osteotomy (plate), ICBG	25	80	136 to 20	1. Grade 1 OA 2. Lateral Calcification	Contracture (removal hardware, capsulectomy, excision HO)
15	F, 23	Type 2B	Lateral Epicondyle Fracture	Posterior	Olecranon Osteotomy (tension band and screw)	Screws and Recon. Plate	Iliac Crest	ORIF Lateral Epicondyle (screw)	102	85	132 to 23	Grade 1 OA	1. Painful Hardware (removal) 2. Contracture (capsulectomy)
16	F, 54	Type 3A	None	Posterior	Kaplan and Boyd	Screws	None	None	34	95	124 to 50	1. Grade 2 OA 2. Screw in joint 3. AVN Capitellum	Posttraumatic OA
17	F, 38	Type 3A	None	Posterior	Kaplan, Boyd, Flexor Pronator Split and Olecranon Osteotomy (plate)	Screws	None	None	23	100	132 to 37	None	1. Painful Hardware (removal) 2. Contracture (capsulectomy) 3. Frozen Shoulder
18	M, 41	Type 3A	1. Triceps Rupture 2. Lateral Ligament Tear	Posterior	Kocher and Flexor Origin Elevation	Screws and K wires	None	1. Triceps Repair, 2. Lateral Ligament Repair	32	100	132 to 18	Grade 2 OA	1. Contracture (capsulectomy) 2. Loose Hardware (removal)
19	F, 40	Type 3B	Lateral Epicondyle Fracture	Posterior	Olecranon Osteotomy (tension band and K wires)	Screws, Recon. Plate and K wires	None	ORIF Lateral Epicondyle (screws)	67	95	142 to 20	1. Grade 2 OA 2. AVN Trochlea	Nonunion Trochlea (removal hardware, ICBG, hinge)
20	F, 38	Type 3B	None	Posterior	Olecranon Osteotomy (tension band and K wires)	Screws	Iliac Crest	None	103	65	130 to 31	Grade 2 OA	1. Painful Hardware (removal) 2. Contracture (capsulectomy and excision HO)

21	F, 64	Type 3B	Lateral Ligament Tear	Posterior	Olecranon Osteotomy (tension band and screw)	Screws	Iliac Crest	Lateral Ligament Repair	15	75	133 to 31	1. Grade 1 OA 2. Lateral/Anterior Calcification 3. AVN Capitellum	Posttraumatic OA
22	F, 71	Type 3B	None	Posterior	Olecranon Osteotomy (tension band and screw)	Screws	None	None	76	TEA	120 to 30	TEA (Grade 3 OA)	1. Nonunion Osteotomy (revision) 2. AVN Trochlea (arthroscopy) 3. Post-traumatic OA (TEA)
23	F, 41	Type 3B	None	Posterior	Olecranon Osteotomy (plate)	Screws	Iliac Crest	None	14	100	121 to 1	None	None
24	F, 40	Type 3B	Lateral Epicondyle Fracture	Posterior	Olecranon Osteotomy (tension band and screw)	Screws and Recon. Plate	None	Lateral Ligament Repair	95	85	144 to 38	Grade 1 OA	Contracture (removal hardware and capsulectomy)
25	F, 46	Type 3B	Radial Head Fracture	Posterior	Olecranon Osteotomy (tension band and screw)	Screws, Recon Plate and K wires	Iliac Crest	Radial Head Fragment Excision	70	TEA	95 to 50	TEA (Grade 3 OA)	1. Painful Hardware (removal) 2. Nonunion Capitellum and Trochlea (TEA) 3. Triceps Insufficiency
26	M, 37	Type 3B	1. Distal Radius Fracture 2. Lateral Epicondyle Fracture	Posterior	Olecranon Osteotomy (tension band and K wires)	Screws and K wires	Iliac Crest	1. CRPP Distal Radius 2. ORIF Lateral Epicondyle	107	85	143 to 30	Lateral Calcification	Painful Osteotomy Hardware (removal)
27	M, 33	Type 3B	Lateral Epicondyle Fracture	Posterior	Boyd, Flexor Pronator Split and Olecranon Osteotomy (plate)	Screws and Recon. Plate	Iliac Crest	ORIF Lateral Epicondyle	30	85	135 to 13	None	Screw Impingement on PRUJ (removal)
28	F, 53	Type 3B	Lateral Epicondyle Fracture	Posterolateral (previous incision)	Kaplan and Olecranon Osteotomy (tension band and screw)	Screws and Recon. Plate	Iliac Crest	ORIF Lateral Epicondyle	75	100	145 to 25	Grade 1 OA	1. Painful Hardware (removal) 2. Contracture (capsulectomy and excision HO)

*MEPI = Mayo Elbow Performance Index, ORIF = open reduction and internal fixation, MCL = medial collateral ligament, OA = osteoarthritis, HO = heterotopic ossification, AVN = osteonecrosis, K wires = Kirschner wires, TEA = total elbow arthroplasty, CRPP = closed reduction and percutaneous pinning, ICBG = iliac crest bone-graft, and PRUJ = proximal radioulnar joint.