

TABLE E-1 Information on the Individual Patients

	Sex/Age/ Side/Dominance	Mechanism	Preop. Motion, Strength	Palpable Defect	MRI	Days to Surgery	Pathology	Technique	Postop. Treatment	F-U, Months	Motion Strength	Peak Torque (Nm)	Work (J)	Pain	Limitations
Repair of the ruptured distal triceps tendon															
1	M/57/L/R	Fall, skiing	10-130, 2/5	+	+	36	Medial and central defects	Krakow stitch	Sling, active ROM	62	0-135	50/51	628/430	None	None
2	M/61/L/R	Fall from chair	0-140, 2/5	+	NT	1	Complete avulsion	Bunnell stitch	Cast, 3 weeks	NA	NA	NA	NA	None	None
2a	M/61/L/R	Fall	NT, 2/5	–	NT	7	Complete avulsion	Bunnell stitch	Immobilization in 90°	140	5-130	32/34	385/460	None	None
3	M/50/L/R	Fall at work	0-45, NT	+	NT	1	Olecranon avulsion	Tension band wiring	Sling, active ROM	182	10-130	55/41	484/440	Mild	None
4	M/45/R/R	Snowmobile	NT, 2/5	+	NT	96	Complete avulsion	Bunnell stitch	Cast, 6 weeks	96	5-140/5	NA	NA	None	None
5	F/45/R/R	Wheelchair transfer	NT, 1/5	+	NT	25	Complete avulsion	Bunnell stitch	Long arm cast	264	0-140/5	NA	NA	None	None
6	M/25/R/R	MVA	NT	NT	NT	2	Laceration, central defect	Krakow stitch	Long arm cast	82	15-140	58/48	682/519	None	None
7	M/25/R/R	Fall through window	NT	NT	NT	0	Transverse laceration, medial defect, partial-thickness lateral defect	Krakow stitch	Dynamic extension splint	83	0-140/5	NA	NA	Mild	None
8	M/64/L/R	Rake caught, broke	55-95, 2/5	+	+	8	Lateral defect	Bunnell stitch	Active ROM, day 2	61	0-140	32/28	335/284	None	None
9	M/69/R/R	Fall, stairs	NT, 3/5	–	NT	1	Central defect	Bunnell stitch	Dynamic extension splint, ROM, day 10	62	0-140/5	33/34	126/216	None	None
10	M/33/R/R	Fall, stairs	NT, 4/5	NT	NT	1	Complete laceration	Krakow stitch	Dynamic extension splint, ROM	55	0-145/5	NA	NA	None	None
11	F/64/R/R	Wheelchair transfer	NT	+	NT	Few months	Partial-thickness avulsion	Bunnell stitch	Long arm cast, 5 weeks	115	0-140/5	NA	NA	Mild	Neurol. weakness
12	M/57/L/R	Fall, ice	0-150, 3/5	+	NT	35	Central defect	Bunnell stitch	Long arm cast	108	0-140/5	NA	NA	None	None
13	M/48/R/R	ORIF x2	55-115, 2/5	+	NT	609	Central defect	Bunnell stitch	Dynamic extension splint	87	70-135/4	NA	NA	Moderate	Limited ROM due to PTOA
Reconstruction of the ruptured distal triceps tendon															
14	M/45/R/R	Wheelchair transfer	35-120, 2/5	+	NT	Few months	Central defect	Palmaris and Achilles tendons	Long arm cast, 3 weeks; splint, 2 weeks	9 deceased	25-135/4+	NA	NA	None	None
15	M/49/L/R	Infected ORIF site	40-90, 1/5	+	NT	393	Complete avulsion, retraction	Bilateral palmaris longus	Long arm cast, 3 weeks	241	65-105/5	NA	NA	None	Limited ROM due to PTOA
16	M/38/L/R	Fall, stairs	0-135, 3/5	-	NT	277	Central defect, delamination	LAD	Splint at 60°, 2 weeks	7 deceased	5-130/4+	44/25(.56)	NA	None	None
17	M/61/R/R	Fall, roller skates	5-150, 3/5	+	+	150	Complete avulsion, retraction	Plantaris	Long arm cast	63	0-140	37/27 (.73)	372/312 (.84)	None	None
18	M/21/R/R	MVA, ORIF	70-130, 3/5	+	NT	145	Medial defect, absence of medial olecranon	Latissimus dorsi flap	Dynamic extension splint, CPM	20	10-130/4+	NA	NA	None	None
19	F/33/L/R	Fall, soccer	20-90, 4/5	+	+	44	Central defect	Anconeus slide	CPM	65	0-140/5	NA	NA	None	None
20	M/62/L/R	Wheelchair transfer	0-140, NT	–	+	28	Central defect, delamination	Semitendin osus	Robert Jones bandage	53	0-140	33/33(1)	294/297 (1.01)	None	Quadriplegic
21	M/52/R/R	Skiing pole placement	0-145, 2/5	+	NT	45	Medial defect	LAD	Dynamic extension splint	50	0-135/4	26/9(.35)	NA	Mild	None
22	M/24/R/R	Tractor accident	40-120, 3/5	+	NT	222	Complete avulsion	LAD	Dynamic extension splint, CPM	144	15-140/4+	NA	NA	None	Unable to work overhead

M: Male, F: Female, R: Right, L: Left, NT: Not Tested, NA: Not Applicable, LAD: Ligament Augmentation Device, CPM: Continuous Passive Motion, MVA: Motor Vehicle Accident, ROM: Range of Motion, PTOA: Post-Traumatic Osteoarthritis, Peak Torque and Work are shown for uninvolved/involved extremity. Manual strength testing: 0, no palpable contraction; 1, palpable contraction; 2, able to extend the elbow without gravity; 3, able to extend against gravity force; 4, able to extend against moderate resistance; 5, able to extend against high resistance.