

Table E-1

Case	Age (yrs)	Sex	Injured Side	Injury	Previous Procedures	Concurrent Procedures	Injury-to-allograft interval (mos)	Preop ROM (deg)		Complications/ Further Procedures	Functional Outcome	F/U ROM (deg)		Time of F/U or until allograft failure (mos)	Radiographic outcome at F/U/Failure	Outcome
								Ext/Flex	Pron/Sup			Ext/Flex	Pron/Sup			
1	33	Male	Right	Radial head fracture. Essex-Lopresti lesion.	None	Ulnar shortening osteotomy	6	35/138	80/0	None	No pain or instab	15/135	75/70	84	Incomplete union	Success
2a	27	Male	Right	Radial head fracture. Essex-Lopresti lesion.	Radial head excision w/insertion of silicone radial head implant. Subsequent implant removal and ulnar shortening.	None	93	5/140	80/80	Required bone grafting of allograft-host interface. Underwent resection.	Sig. elbow pain	50/105	70/0	17	Nonunion and collapse of allograft	Failure
2b	38	Male	Right	Radial head fracture. Essex-Lopresti lesion.	See above	None	131	20/130	80/80	Required bone grafting of allograft-host interface. Underwent resection of allograft head.	Sig. wrist and elbow pain	30/145	80/20	19	Nonunion of allograft-host interface	Failure
3	26	Male	Right	Radial head and neck fracture and elbow fracture-dislocation. Essex-Lopresti lesion.	Silicone radial head implant	None	18	10/145	90/85	Required revision fixation and bone grafting 12 mos after allograft insertion	Mild pain in elbow. Returned to work in construction	0/145	70/55	12 (to fixation union)/ 36 (since revision)	Resorption of allograft-host interface	Initial success, late resorption
4	37	Male	Left	Radial head fracture. Essex-Lopresti lesion.	Radial head excision	Ulnar shortening osteotomy	11	20/105	20/-20	Required allograft excision and insertion of radial head	Sig wrist and elbow pain	15/130	35/10	11	Resorption of radial head allograft	Failure

ROM = range of motion. F/U = follow-up.