

TABLE E-1 Patient Data

Case	Sex*	Age (yr)		Initial Treatment	Duration from Injury to Surgery (mo)	Injured Side	Symptoms Before Surgery	Osteotomy	Duration of Follow-up (mo)
		At Time of Fracture	At Time of Osteotomy						
1	M	20	21	Cast	18	Left	Decreased range of motion	Radius	24
2	M	12	13	Cast	9	Left	Decreased range of motion	Radius	24
3	F	7	15	Cast	100	Left	Decreased range of motion	Radius/ulna	24
4	M	31	33	Intramedullary fixation (radius/ulna)	20	Left	Decreased range of motion, wrist pain	Radius/ulna	24
5	M	36	39	Intramedullary fixation (radius)	35	Left	Decreased range of motion, wrist pain	Radius	36
6	M	13	14	Cast	19	Right	Painful radial head dislocation	Radius/ulna	43
7	M	28	29	Intramedullary fixation (radius)	8	Left	Decreased range of motion, wrist pain	Radius	30
8	M	11	12	Cast	5	Left	Decreased range of motion	Radius/ulna	24
9	M	13	18	Cast	73	Left	Decreased range of motion	Radius/ulna	33
10	M	16	16	Intramedullary fixation (radius)	8	Left	Decreased range of motion, wrist pain	Radius	48
11	F	11	16	Cast	54	Right	Decreased range of motion, painful radial-head dislocation	Radius/ulna	37

12	M	13	17	Cast	44	Right	Decreased range of motion	Radius†/ulna	24
13‡	F	12	35	Cast	276	Right	Decreased range of motion, painful distal ulnar dislocation	Radius	29
14	M	10	11	Cast	9	Left	Decreased range of motion	Radius/ulna	32
15	M	10	13	Cast	26	Left	Decreased range of motion, painful distal ulnar dislocation	Radius/ulna	38
16	F	9	20	Cast	127	Left	Decreased range of motion, forearm pain	Radius/ulna	24
17	M	16	19	Cast	41	Left	Painful distal ulnar dislocation	Radius/ulna	24
18	M	18	21	Intramedullary fixation (radius) and plating (ulna)	31	Left	Decreased range of motion	Radius/ulna§	27
19	F	3	11	Cast	96	Left	Decreased range of motion	Radius†/ulna	28
20	M	11	43	Cast	384	Right	Decreased range of motion, wrist pain	Radius/ulna	31
Median		13	18		33				29

*M = male and F = female. †Double-level osteotomy. ‡The patient had an additional procedure (triangular fibrocartilage complex repair). §Shortening osteotomy.

TABLE E-2 Types of Osteotomy Performed

Case	Radius			Ulna		
	Type of Osteotomy	Correction Angle (°)	Lengthening (mm)	Type of Osteotomy	Correction Angle (°)	Lengthening (mm)
1	Closing wedge	33	0			
2	Rotational (supination)	45	0			
3	Rotational (supination)	46	3	Closing wedge	13	0
4	Opening wedge	20	0	Rotational (supination)	55	0
5	Rotational (supination)	36	2			
6	Rotational (supination)	30	-3	Opening wedge	18	0
7	Rotational (supination)	67	10			
8	Closing wedge	31	0	Closing wedge	16	0
9	Rotational (supination)	21	0	Closing wedge	13	0
10	Rotational (supination)	30	7			
11	Closing wedge	35	0	Closing wedge	16	0
12*	Opening wedge	25	0	Closing wedge	13	0
	Opening wedge	10	0			
13	Closing wedge	11	0			
14	Closing wedge	35	0	Closing wedge	26	0
15	Opening wedge	21	0	Closing wedge	8	-4
16	Closing wedge	15	0	Rotational (supination)	24	-5
17	Opening wedge	20	0	Rotational (supination)	39	0

18	Rotational (supination)	136	0	Shortening	0	-4
19*	Opening wedge	25	0	Closing wedge	24	0
	Opening wedge	16	0			
20	Rotational (pronation)	42	0	Rotational (pronation)	52	0
Median		30	0		17	0

*Double-level osteotomy.