TABLE E-1 Patient Demographics*

Case	Age *(yr)*	Sex	Smoker	Dominant Hand	Previous Surgery	Time to Surgery *(mo)*	Preoperative Imaging
MDF							
1	18	Male	No	Yes	No	21	CT, MRI
2	20	Male	No	Yes	Iliac crest wedge graft with screw fixation	27	CT, MRI
3	18	Male	No	Yes	ORIF with screw fixation	19	CT, MRI
4	21	Male	No	No	Iliac crest wedge graft with screw fixation	24	CT, MRI
5	27	Male	No	No	No	9	CT, MRI
6	18	Male	No	No	Dorsal radial nonvascularized graft with Kirschner wire fixation	44	CT
7	18	Male	Yes	Yes	No	31	MRI
8	30	Male	No	No	Cancellous bone graft with Kirschner wire fixation	22	MRI
9	32	Male	Yes	No	No	66	CT, MRI
10	28	Male	Yes	No	No	30	Trispiral tomogram
11	22	Male	Yes	No	Dorsal radial nonvascularized graft with screw fixation	62	CT, MRI
12	21	Male	Yes	Yes	No	18	Trispiral tomogram
1,2 ICSRA							
13	33	Male	Yes	Yes	No	31	Trispiral tomogram
14	34	Female	Yes	No	No	16	CT
15	66	Male	No	Yes	No	8	Trispiral tomogram
16	43	Female	No	Yes	No	13	Trispiral tomogram
17	21	Female	No	No	ORIF with screw fixation	6	Trispiral tomogram
18	33	Male	No	No	No	Unknown	Trispiral tomogram
19	18	Male	Yes	No	Iliac crest wedge graft with screw fixation	47	Trispiral tomogram
20	20	Male	No	No	No	48	Trispiral tomogram
21	20	Male	No	Yes	ORIF with screw fixation	Unknown	CT
22	26	Male	Yes	Yes	Iliac crest wedge graft with screw fixation	39	Trispiral tomogram

*MDF = medial femoral condyle graft, 1,2 ICSRA = distal radial graft based on a 1,2 intercompartmental supraretinacular artery pedicle, ORIF = open reduction and internal fixation, CT = computed tomography, and MRI = magnetic resonance imaging.

TABLE E-2 Results

Case	Prior Screw in Place	Time to Union *(wk)*	Revised Carpal Height Ratio Preop./Postop.	Lateral Intrascaphoid Angle *(deg)* Preop./Postop.	Scapholunate Angle *(deg)* Preop./Postop.	Radiolunate Angle *(deg)* Preop./Postop.	Extension *(deg)* Preop./Postop.	Flexion *(deg)* Preop./Postop.
MDF								
1	No	12	1.52/1.57	61/26	89/68	19/5	NA/50	NA/55
2	Yes	6	1.50/1.53	42/33	75/76	14/8	30/10	55/20
3	No	16	1.55/1.51	53/34	75/46	11/6	40/NA	45/NA
4	Yes	9	1.50/1.54	49/24	44/51	3/–2	NA/35	NA/25
5	No	15	1.48/1.42	62/32	65/50	15/2	50/40	30/40
6	Yes	13	1.37/1.55	56/27	49/35	10/2	40/50	65/25
7	No	21	1.36/1.38	55/29	98/60	19/15	40/60	45/70
8	Yes	44	1.50/1.48	49/30	71/64	7/18	40/30	60/50
9	No	18	1.55/1.53	65/40	62/61	16/17	40/30	50/30
10	No	13	1.37/1.49	51/31	55/53	8/6	50/40	60/50
11	No	9	1.43/1.46	52/27	56/57	10/7	30/40	40/40
12	No	14	1.41/1.45	61/33	61/64	23/22	40/50	50/60
1,2 ICSRA								
13	No	Nonunion	1.51/1.42	47/53	43/40	24/1	55/45	40/45
14	No	Nonunion	1.50/1.50	53/49	66/68	16/12	15/15	40/35
15	No	Nonunion	1.54/1.42	45/41	49/61	13/26	35/10	50/40
16	No	Nonunion	1.52/1.61	50/47	57/72	4/2	60/NA	30/NA
17	Yes	Nonunion	1.55/1.52	47/45	62/56	6/1	45/30	30/20
18	No	12	1.59/1.52	55/51	57/44	18/7	40/30	50/30
19	Yes	25	1.63/1.63	48/40	62/47	25/15	35/60	65/50
20	No	11	1.52/1.53	49/48	66/64	15/9	45/NA	60/NA
21	Yes	30	1.48/1.50	67/51	103/76	19/15	50/50	60/35
22	Yes	Nonunion	1.41/1.37	58/67	67/87	22/33	30/30	40/40

*NA = not available. MDF = medial femoral condyle graft, 1,2 ICSRA = distal radial graft based on a 1,2 intercompartmental supraretinacular artery pedicle.