

TABLE E-1 Summary of Patient Data

Case	Age/Sex	OTA Fracture Classification	Temporary External Fixation?	Bone Grafted?	Outcome	Alignment Change?	Duration of Follow-up	Knee Society Knee/Function Score	Complications	Comments and Explanations for Low Scores
1	60/M	Closed 41C3	Yes	No	AKA	N/A	6 mos	N/A	Deep infection; diabetic	Double plates
2	52/F	Open 41A3	No	No	Healed	No	6 mos	95/87		
3	68/M	Closed 33A3	No	Yes	Healed	No	6 mos	82/77		
4	64/F	Closed 41C3	Yes	Yes	Healed	No	6 mos	81/87	Lateral DJD	Double plates
5	63/M	Open 33C3	Yes	Planned late	Healed	No	12 mos	86/70		Ipsilateral knee ligament injury
6	49/F	Closed 41B3	No	No	Healed	No	8 mos	100/100		
7	58/F	Closed 33A3	No	No	Healed	No	15 mos	N/A		Non-walker; multiple sclerosis
8	40/M	Closed 41C3	Yes	No	Healed	No	6 mos	97/100		
9	42/M	Closed 41B3	No	No	Healed	No	13 mos	59/90	Lateral posttraumatic DJD	
10	60/F	Closed 41B3	No	Yes	Healed	No	11 mos	100/100		
11	38/M	Closed 41B3	No	No	Healed	No	6 mos	85/90		
12	60/M	Closed 41C3	Yes	Yes	Healed	No	12 mos	100/100		Double plates
13	15/F	Open 33C3	Yes	No	Healed	No	15 mos	91/90	Symptomatic hardware	Hardware removal at 12 mos; screw stripped
14	84/M	Closed 33C2	No	No	Healed	No	6 mos	97/47		Elderly, frail; walker
15	35/F	Closed 41B3	No	Yes	Healed	No	6 mos	95/67		Preexisting ipsilateral ankle arthritis
16	78/M	Closed 33A3	No	No	Healed	No	6 mos	100/100		
17	59/F	Closed 41C3	Yes	Yes	Healed	No	6 mos	97/100		
18	99/F	Closed 33A2	No	No	Healed	No	6 mos	85/37		General unsteadiness; walker
19	60/F	Closed 41B3	No	Yes	Healed	No	7 mos	100/100		
20	58/M	Closed 41C3	Yes	No	Healed	No	9 mos	84/100		
21	74/M	Closed 41C3	No	No	Delayed union	No	9 mos	88/54		Healed with Exogen; smoker
22	21/M	Open 41A3	Yes	No	Healed	No	6 mos	98/95		
23	58/F	Closed 41C3	Yes	Yes	Healed	No	6 mos	75/74		
24	80/F	Open 33A1	Yes	No	Healed	No	6 mos	85/89		
25	84/F	Closed 33A1	No	No	Healed	No	6 mos	N/A		Non-walker prep.
26	51/F	Open 41C3	Yes	No	Healed	No	7 mos	100/100		
27	65/F	Closed 41C3	Yes	Yes	N/A	N/A	Lost to F/U	N/A	Lost after 1 mo F/U	Double plates
28	72/M	Closed 41C3	Yes	No	Healed	No	7 mos	100/100		
29	44/M	Closed 41C3	Yes	No	Healed	No	7 mos	93/74		Ipsilateral ankle fusion
30	65/F	Closed 41C3	No	Yes	Healed	No	7 mos	100/100		

31	57/M	Open 41C3	Yes	Yes	Infected nonunion	Valgus 10° due to lateral joint collapse	6 mos	N/A	Deep infection; nonunion; multiple I&D; allograft reconstruction	Double plates
32	34/F	Closed 41C3	Yes	No	Healed	No	6 mos	93/100		
33	41/M	Closed 41C3	Yes	Yes	Healed	No	6 mos	100/100		
34	42/M	Closed 41C3	Yes	No	Healed	No	6 mos	82/82		Double plates
35	51/F	Closed 41B3	No	No	Healed	No	6 mos	100/100		Double plates
36	68/F	Closed 33A1	No	No	Healed	Yes; 5° varus due to bent plate	6 mos	78/72	Alcoholic, fell 3 wks postop and bent plate at metaphysis	
37	49/M	Open 41C3	Yes	No	Healed	No	6 mos	100/100		
38	82/F	Closed 33C2	No	No	Healed	No	12 mos	89/87		Needed cane for balance; frail
39B	53/F	Bilateral closed 33A3	No	No	Died	No	Died before 3 mo F/U	N/A		Died of lung cancer
40	53/F	Open 33A3	No	No	Healed	No	23 mos	76/87		Mild pain
41	52/F	Closed 33C2	No	No	Healed	No	21 mos	87/67		Mild pain; cane for walking
42B	77/F	Bilateral closed 33A3	No	Yes	Healed	No	8 mos	77/0	Left wound infection; needed I&D	Wheelchair-bound due to medical problems
43	22/F	Open 33C2	Yes	No	Healed	No	25 mos	90/100		
44	71/F	Closed 33A3	No	No	Healed	No	20 mos	81/60		Mild pain; cane
45	77/F	Closed 33C2	No	No	Healed	No	6 mos	70/67		Due to contralateral knee pain
46	74/F	Closed 33C2	No	No	Healed	No	6 mos	86/74		Generally frail; cane
47	67/F	Closed 33C2	No	Yes	Nonunion	No	10 mos	N/A		Converted to total knee arthroplasty
48	43/F	Closed 41A3	No	Yes	Healed	No	6 mos	N/A		Quadriplegic nonwalker
49	17/F	Closed 33A1	No	No	Healed	No	6 mos	100/100		
50	65/M	Open 41A3	No	No	Healed	No	6 mos	87/74		Periprosthetic; knee function same as preop
51	52/F	Open 41A3	No	No	Healed	No	6 mos	100/100		
52	58/F	Closed 33C2	No	No	Healed	No	6 mos	84/40		Preexisting knee DJD; obese
53	60/F	Closed 33A3	No	No	Healing	No	Lost to F/U after 3 mos	65/40		Obesity & deconditioning
54	35/M	Closed 41C3	No	No	Healed	No	6 mos	90/100		

AKA = above-the-knee amputation, DJD = degenerative joint disease, I&D = irrigation and débridement, F/U = follow-up, N/A= not available.