

Table E-1. Demographics and clinical data.

Case	Gender	Age	Diagnosis	Chemo-therapy	Resection (percent)	FU (mths)	Allograft Status	Reason for Removal	Procedure	Limb Status	Patient Status	Internal Fixation	Functional Score	RX Score
1	F	30	GCT	No	10	205	Preserved			Preserved	ANED	Plate	20	43%
2	F	39	GCT	No	10	246	Preserved			Preserved	ANED	Plate	28	97%
3	F	25	GCT	No	10	156	Preserved			Preserved	ANED	Plate	28	97%
4	M	35	GCT	No	10	26	Not preserved	Infection	Knee arthrodesis	Preserved	ANED	Plate	-	-
5	F	28	GCT	No	10	13	Lost			Lost	Lost	Plate	-	-
6	F	21	GCT	No	10	204	Preserved			Preserved	ANED	Plate	30	94%
7	M	25	GCT	No	10	100	Preserved			Preserved	ANED	Plate	23	69%
8	F	37	GCT	No	10	15	Not preserved	Local recurrence	Second OA	Preserved	ANED	Plate	-	-
9	M	23	GCT	No	10	46	Not preserved	Fracture	Second OA	Preserved	ANED	Plate	-	-
10	F	14	GCT	No	10	132	Preserved			Preserved	ANED	Plate	28	100%
11	F	15	POS	No	10	156	Preserved			Preserved	ANED	Plate	30	100%
12	M	24	GCT	No	10	6	Lost			Lost	Lost	Plate	-	-
13	M	30	GCT	No	10	60	Preserved			Preserved	ANED	Plate	28	91%
14	M	51	GCT	No	10	60	Preserved			Preserved	ANED	Plate	27	94%
15	F	17	GCT	No	10	60	Preserved			Preserved	ANED	Plate	29	97%
16	F	28	GCT	No	10	66	Preserved			Preserved	ANED	Plate	30	100%
17	M	38	GCT	No	15	30	Lost			Lost	Lost	Plate	-	-
18	F	34	GCT	No	20	25	Lost			Lost	Lost	Plate	-	-
19	M	39	CS	No	20	26	Not preserved	Massive resorption	Knee arthrodesis	Preserved	ANED	Plate	-	-
20	M	27	AF	No	20	24	Not preserved	Fracture	Second OA	Preserved	ANED	Plate	-	-
21	F	21	OS	Yes	21	36	Not preserved	Fracture	Second OA	Preserved	ANED	Plate	-	-
22	M	38	GCT	No	23	200	Preserved			Preserved	ANED	Plate	28	94%
23	M	16	GCT	No	24	60	Preserved			Preserved	ANED	Plate	25	89%
24	F	27	AF	No	24	60	Preserved			Preserved	ANED	Nail	30	94%
25	F	22	MFH	Yes	25	168	Preserved			Preserved	ANED	Plate	28	86%
26	F	38	GCT	No	25	130	Preserved			Preserved	ANED	Plate	28	94%
27	M	29	GCT	No	25	180	Preserved			Preserved	ANED	Plate	28	94%
28	M	45	POS	Yes	25	120	Preserved			Preserved	ANED	Plate	27	94%
29	M	29	AF	No	25	24	Not preserved	Infection	Knee arthrodesis	Preserved	ANED	Plate	-	-
30	F	30	OS	Yes	27	72	Preserved			Preserved	ANED	Nail	27	97%
31	M	52	CS	No	28	240	Preserved			Preserved	ANED	Plate	24	71%
32	F	21	GCT	No	28	120	Preserved			Preserved	ANED	Plate	19	83%
33	M	17	OS	Yes	30	24	Not preserved	Local recurrence	Amputation	Not preserved	D	Plate	-	-
34	M	27	GCT	No	30	60	Preserved			Preserved	ANED	Plate	28	94%
35	F	28	GCT	No	30	6	Lost			Lost	Lost	Plate	-	-
36	F	24	GCT	No	31	252	Preserved			Preserved	ANED	Plate	30	89%
37	F	21	GCT	No	31	90	Preserved			Preserved	ANED	Plate	16	64%
38	F	16	OS	Yes	31	96	Preserved			Preserved	ANED	Plate	26	83%
39	F	38	GCT	No	32	368	Preserved			Preserved	ANED	Plate	27	83%
40	F	29	POS	No	32	34	Not preserved	Local recurrence	Knee arthrodesis	Preserved	ANED	Plate	-	-
41	F	16	GCT	No	32	192	Preserved			Preserved	ANED	Plate	28	100%
42	M	26	GCT	No	32	60	Preserved			Preserved	ANED	Plate	28	100%
43	F	12	OS	Yes	33	150	Preserved			Preserved	ANED	Plate	30	100%
44	M	18	OS	Yes	34	28*	Preserved			Preserved	D	Plate	-	-

45	F	19	OS	Yes	34	120	Preserved			Preserved	ANED	Plate	28	83%
46	F	39	POS	No	35	80	Preserved			Preserved	ANED	Plate	15	43%
47	M	19	OS	Yes	35	100	Preserved			Preserved	ANED	Plate	24	69%
48	F	54	CS	No	35	72	Preserved			Preserved	ANED	Plate	15	86%
49	F	17	GCT	No	40	71	Preserved			Preserved	ANED	Plate	23	77%
50	M	44	GCT	No	40	156	Preserved			Preserved	ANED	Plate	25	63%
51	M	21	GCT	No	40	156	Preserved			Preserved	ANED	Plate	25	94%
52	F	28	GCT	No	40	132	Preserved			Preserved	ANED	Plate	29	86%
53	M	14	OS	Yes	40	96	Preserved			Preserved	ANED	Plate	20	43%
54	F	22	GCT	No	40	72	Preserved			Preserved	ANED	Plate	25	71%
55	M	16	OS	Yes	40	36	Not preserved	Infection	Alloprostheses	Preserved	ANED	Plate	-	-
56	M	16	OS	Yes	40	96	Preserved			Preserved	ANED	Nail	30	100%
57	M	23	GCT	No	41	100	Preserved			Preserved	ANED	Plate	26	83%
58	M	17	OS	Yes	45	120	Preserved			Preserved	ANED	Plate	29	94%
59	F	14	OS	Yes	45	80	Preserved			Preserved	ANED	Nail	29	100%
60	M	17	OS	Yes	46	120	Preserved			Preserved	ANED	Plate	29	97%
61	M	18	OS	Yes	46	75	Preserved			Preserved	ANED	Nail	30	100%
62	F	14	OS	Yes	47	24*	Preserved			Preserved	D	Nail	-	-
63	M	18	OS	Yes	47	80	Preserved			Preserved	ANED	Nail	28	94%
64	M	45	OS	Yes	50	1	Preserved			Preserved	D	Nail	-	-
65	M	35	POS	No	51	8	Not preserved	Infection	Knee arthrodesis	Preserved	ANED	Plate	-	-
66	F	8	OS	Yes	51	96	Preserved			Preserved	ANED	Plate	24	91%
67	F	26	OS	Yes	52	11	Preserved			Preserved	D	Nail	-	-
68	M	17	OS	Yes	53	120	Preserved			Preserved	ANED	Plate	28	100%
69	F	15	OS	Yes	53	3	Not preserved	Infection	Endoprostheses	Preserved	ANED	Nail	-	-
70	M	19	OS	Yes	54	8	Preserved			Preserved	D	Nail	-	-
71	M	16	EWING	Yes	55	14	Preserved			Preserved	D	Nail	-	-
72	M	26	GCT	No	55	8	Not preserved	Infection	Knee arthrodesis	Preserved	ANED	Nail	-	-
73	M	32	OS	Yes	55	8	Preserved			Preserved	D	Plate	-	-
74	M	20	OS	Yes	66	13	Preserved			Preserved	D	Plate	-	-
75	F	17	OS	Yes	78	11	Preserved			Preserved	D	Nail	-	-
76	F	16	OS	Yes	80	24*	Preserved			Preserved	D	Nail	-	-
77	F	18	FSC	Yes	80	13	Preserved			Preserved	D	Nail	-	-
78	F	14	OS	Yes	80	23	Preserved			Preserved	D	Plate	-	-
79	M	43	OS	Yes	80	13	Not preserved	Local recurrence	Disarticulation	Not preserved	D	Plate	-	-
80	M	19	OS	Yes	80	8	Preserved			Preserved	D	Plate	-	-

*Time of death.

GCT = giant cell tumor, OS = osteosarcoma, POS = parosteal osteosarcoma, CS = chondrosarcoma, MFH = malignant fibrous histiocytoma, FSC = fibrosarcoma, AF = allograft fracture, OA = osteoarticular allograft, AWED = alive with evidence of disease, ANED = alive with no evidence of disease, D = deceased, RX = radiographic