

TABLE E-1 Relevant Data for Each Patient Managed for Acute Traumatic Compartment Syndrome

Case	Age (yr)	Type of Injury	Time from Injury to Operation (hr)	Final Outcome
1	10	L grade-I open tibial/fibular fracture	3.9	No loss of function or sensation
2	11	R grade-I open tibial/fibular fracture	4	No loss of function or sensation
3	9	L grade-I open tibial fracture	4.25	No loss of function or sensation
4	16	L tibial/fibular fracture	4.5	No loss of function or sensation
5	7	L tibial fracture	5	No loss of function or sensation
6	6	R tibial fracture	5	No loss of function or sensation
7	11	L tibial/fibular fracture	6	No loss of function or sensation
8	9	L tibial fracture	6	No loss of function or sensation
9	13	L grade-I open tibial fracture	6.3	No loss of function or sensation
10	15	R grade-III open tibial/fibular fracture	7	No loss of function or sensation
11	12	R tibial fracture	8	No loss of function or sensation
12	17	R thigh injury without fracture, gunshot wound	8.25	No loss of function or sensation
13	14	L grade-III open tibial/fibular fracture	8.4	No loss of function or sensation
14	1.7	L tibial/fibular fracture	8.5	No loss of function or sensation
15	4	L tibial fracture	8.5	No loss of function or sensation
16	1	L tibial/fibular fracture	8.5	No loss of function or sensation
17	4	R tibial/fibular fracture	9	No loss of function or sensation
18	14	R tibial/fibular fracture	9.5	No loss of function or sensation
19	13	L tibial fracture	10	No loss of function or sensation
20	5	L tibial/fibular fracture	10	No loss of function or sensation
21	15	L tibial fracture	10.1	No loss of function or sensation
22	15	Extra-articular gunshot wound	10.5	No loss of function or sensation
23	10	L grade-III open tibial/fibular fracture	13.3	No loss of function or sensation

24	6	L tibial/fibular fracture	14	No loss of function or sensation
25	16	R tibial/fibular fracture	14	No loss of function or sensation
26	14	L tibial/fibular fracture	18	No loss of function or sensation
27	5	L grade-I open tibial/fibular fracture	20.4	No loss of function or sensation
28	11	L tibial/fibular fracture	20.5	No loss of function or sensation
29	7	Traumatic brain injury, R proximal tibial fracture	20.75	No loss of function or sensation
30	14	L tibial/fibular fracture	21	No loss of function or sensation
31	9	R tibial fracture	21.5	No loss of function or sensation
32	10	L open grade-II tibial/fibular fracture	21.5	No loss of function or sensation
33	15	L femoral fracture	22.25	No loss of function or sensation
34	14	L tibial/fibular fracture	22.25	No loss of function or sensation
35	0.3	L tibial fracture	24.75	No loss of function or sensation
36	3	R tibial fracture, degloving	27.5	No loss of function or sensation
37	8	R tibial/fibular fracture	34.75	No loss of function or sensation
38	7	Traumatic brain injury, L grade-I open femoral fracture	36	No loss of function or sensation
39	8	L grade-II open femoral fracture	41	No loss of function or sensation
40	8	R grade-III open femoral fracture	41	No loss of function or sensation
41	5	R femoral fracture	82.5	Excision of 75% of muscles in anterior and lateral compartments. Loss of function (no active ankle/toe dorsiflexion)
42	11	L tibial fracture	86	Loss of muscle function in tibialis anterior and flexor digitorum longus. Reduced sensation in left leg
43	14	L tibial tubercle fracture	118	No loss of function or sensation

TABLE E-2 Presenting Symptoms and Compartment Pressures of Children Under the Age of Five Years

Case	Age (yr)	Findings	Compartment Pressures* (mm Hg)			
			Anterior	Lateral	Superficial	Deep
14	1.7	Pain, tense compartment	55	55	45	NR
15	4	Pain, tense compartment	51	75	40	45
36	3	Pain, tense compartment, swelling, faint pulse	33	30	30	NR
35	0.3	Pain, tense compartment	65	75	40	40
16	1	Pain, tense compartment, swelling	NR	NR	NR	NR
17	4	Pain, tense compartment, swelling	72	65	65	86

*NR = not recorded.