

TABLE E1. BASELINE DEMOGRAPHICS: ETIOLOGY, MEDICAL HISTORY, AND PLANNED HEIGHT GAIN

Case	Age (Yrs)	Sex	Center	Initial Height (cm)	Etiology	Medical History
Bilateral						
1	17	M	Mo	156	Constitutional short stature	
2	24	M	N	155	Constitutional short stature	GH
3	14	F	N	133	Constitutional short stature	
4	13	F	N	139	Constitutional short stature	
5	15	F	Mo	146	Congenital, precocious puberty	GH, 1 bilateral TL
6	18	M	Mo	150	Klinefelter syndrome	Hypospadia-urethral stenosis
7	14	F	N	142	Neurofibromatosis, short stature secondary to irradiation of hypophysis	GH
8	13	F	Mo	137	Achondroplasia	2 bilateral TL+1 bilateral FL
9	16	F	Mo	142	Hypochondroplasia	GH, 1 bilateral TL
10	21	M	Mo	140	Dyschondroplasia	GH, 1 bilateral TL
Average				144		
Unilateral cases						
11	21	M	Mo		Fracture, femur	Scheuermann, hip dysplasia, smoker
12	26	M	Mo		Fracture, femur	Smoker
13	13	F	Mo		Fracture, femur	Dysplasia/instability of hip, psychiatric problems
14	16	F	Mo		Fracture, femur	Cerebral hematoma at 3 months, psychological problems, infection
15	22	M	Mo		Fracture, femur	Ankylosis of ankle and foot, smoker, soft-tissue lesion
16	39	M	Mo		Fracture, femur	Smoker, arthrosis, femoral infection, soft-tissue lesion
17	28	M	Mo		Open fracture, femur	Knee instability, pseudarthrosis, smoker, femoral infection, osteoporosis
18	31	F	Mo		Fracture, femur and tibia	
19	19	F	Mo		Fracture, tibia; physeal fracture, femur	
20	14	F	N		Fracture, femoral neck; osteonecrosis, femoral head	Hip/knee instability
21	38	M	N		Fracture, femoral neck; comminuted knee fracture (knee fusion in 20° flexion)	Septic arthritis of hip, femoral infection, soft-tissue lesion
22	15	M	Mo		Hemimelia	FL (epiphyseal distraction) +TL, fracture of femur, Achilles tendon lengthening, osteoporosis, osteo-dystrophy, allergy to antibiotics
23	14	F	N		Congenital unilateral shortening	
24	16	M	N		Multiple congenital deformity syndrome	FL + TL
25	17	F	Mo		Congenital dislocation of hip	Congenital torticollis/hip instability
26	14	F	N		Congenital dislocation of hip	Hip instability/dysplasia + 2 pelvic operations
27	36	F	Mo		Congenital hip dysplasia	Psychological problems
28	23	M	N		Chronic juvenile arthritis	Left hip osteonecrosis
29	17	M	Mo		Arthrogryposis	
30	26	F	Mo		Neonatal sepsis	Allergy to antibiotics
31	12	F	N		Septic neonatal osteoarthritis of hip	Scoliosis

M: Male, F: Female, N: Nancy, Mo: Monza, GH: growth hormone treatment, TL: tibial lengthening, FL: femoral lengthening.