

TABLE E1: Patient demographic data

	Sex	Age at Initiation of Treatment	Associated Anomalies	Lesion	Number of Casts Prior to Surgery	Primary Procedures	Recurrence/Age at Recurrence	Additional Procedures	Adelaar Score at Final Follow-up (right, left)	Age at Final Follow-up
1	F	9 months	Talipes Equinovarus-right	Unilateral right	5	Percutaneous tendoachilles lengthening/tibialis anterior tendon lengthening	No	None	8	6 years
2	M	6 months	None	Bilateral	6	Percutaneous tendoachilles lengthening	Bilateral/14 months	2 casts followed by percutaneous Kirschner-wire fixation of talonavicular joint	9, 9	4 years
3	M	4 months	None	Bilateral	5	Percutaneous tendoachilles lengthening	Bilateral/9 months	2 casts	7, 8	4 years
4	F	2 months	None	Bilateral	5	Percutaneous tendoachilles lengthening	Bilateral/10 months	2 casts followed by percutaneous Kirschner-wire fixation of talonavicular joint	10, 10	3½ years
5	M	12 months	Oblique talus-right	Unilateral left	4	Percutaneous tendoachilles lengthening; percutaneous Kirschner-wire fixation of talonavicular joint; tibialis anterior and peroneal tendon lengthenings	No	None	8	3½ years
6	F	18 months	None	Bilateral	5	Percutaneous tendoachilles lengthening; percutaneous Kirschner-wire fixation of talonavicular joint	No	None	7, 8	4 years
7	M	2 months	None	Bilateral	5	Percutaneous tendoachilles lengthening; percutaneous Kirschner-wire fixation of talonavicular joint	No	None	10, 10	3 years
8	F	11 months	Talipes Equinovarus-left	Unilateral right	5	Percutaneous tendoachilles lengthening; percutaneous Kirschner-wire fixation of talonavicular joint	No	None	10	3 years
9	M	10 months	None	Bilateral	5	Percutaneous tendoachilles lengthening; percutaneous Kirschner-wire fixation of talonavicular joint	No	None	9, 7	3 years
10	M	3 months	None	Bilateral	5	Percutaneous tendoachilles lengthening; percutaneous Kirschner-wire fixation of talonavicular joint	No	None	10, 10	3 years
11	F	5 months	None	Bilateral	5	Percutaneous tendoachilles lengthening; percutaneous Kirschner-wire fixation of talonavicular joint	No	None	10, 10	2½ years

TABLE E-2: Comparison of radiographic values measured preoperatively, immediately postoperatively, and at the time of latest follow-up

N=19 at each time point.

Mean ± standard deviations (SD) are reported.

P values based on repeated-measures analysis of variance (ANOVA). The focus of these analyses was on the overall time effect, which tests the hypothesis that there is no change over time. Within the framework of the ANOVA, when the overall time effect was significant, the appropriate statistical contrasts were used in testing the null hypothesis that change between two specific time points was equal to zero.

Variable	Time	Mean ± SD	Overall time effect	Pairwise contrasts of time points
AP talocalcaneal angle (°)	Preop	9.8 ± 4.1	p<0.0001	Preop to imm. post: p<0.0001
	Imm. post	34.2 ± 2.9		Preop to final post: p<0.0001
	Final post	32.7 ± 3.0		Imm. post to final post: p=0.14
AP talar axis-1 <sup>st</sup> metatarsal base angle (°)	Preop	37.1 ± 1.8	p<0.0001	Preop to imm. post: p<0.0001
	Imm. post	10.9 ± 2.1		Preop to final post: p<0.0001
	Final post	8.1 ± 4.3		Imm. post to final post: p=0.18
Lateral talocalcaneal angle (°)	Preop	60.9 ± 2.0	p<0.0001	Preop to imm. post: p<0.0001
	Imm. post	41.4 ± 2.8		Preop to final post: p<0.0001
	Final post	40.3 ± 2.3		Imm. post to final post: p=0.16
Lateral talar axis-1 <sup>st</sup> metatarsal base angle (°)	Preop	64.1 ± 1.8	p<0.0001	Preop to imm. post: p<0.0001
	Imm. post	8.3 ± 1.9		Preop to final post: p<0.0001
	Final post	7.9 ± 1.8		Imm. post to final post: p=0.16
Lateral tibio calcaneal angle (°)	Preop	98.3 ± 2.3	p<0.0001	Preop to imm. post: p<0.0001
	Imm. post	65.9 ± 2.7		Preop to final post: p<0.0001
	Final post	64.8 ± 3.8		Imm. post to final post: p=0.15

Preop = Preoperatively, at the time of initial presentation  
Imm. post = Immediately postoperatively  
Final post = Final Follow-up