

Supplementary Table S1 Relationships between NF-1, CPT location, Fibula cystic change, and LLD and ankle valgus in different models.

	Unadjusted model			Minimally adjusted model			Fully adjusted model		
	OR	(95% CI),	<i>p</i> -value	OR	(95% CI),	<i>p</i> -value	OR	(95% CI),	<i>p</i> -value
NF-1									
No	Reference			Reference			Reference		
Yes	1.5 (0.9, 2.5)	0.096		1.5 (0.9, 2.5)	0.114		1.9 (1.1, 3.3)	0.021	
CPT location									
Proximal 2/3	Reference			Reference			Reference		
Distal 1/3	1.6 (1.0, 2.7)	0.063		1.7 (1.0, 2.8)	0.054		1.4 (0.8, 2.5)	0.214	
Fibula cystic change									
No	Reference			Reference			Reference		
Yes	0.3 (0.1, 0.9)	0.033		0.3 (0.1, 0.9)	0.036		0.6 (0.2, 1.8)	0.349	
LLD (cm)									
<2	Reference			Reference			Reference		
≥2	2.1 (1.3, 3.4)	0.002		2.1 (1.3, 3.4)	0.001		1.6 (1.0, 2.8)	0.060	

Unadjusted model adjust for: None.

Minimally adjusted model adjust for: Gender; BMI; Fracture age; Surgery age.

Fully adjusted model adjust for: Gender; BMI; Fracture age; Age of patients undergoing surgery;

Surgery method; NF-1; LLD; CPT location; Fibula cystic change; Concurrent fibular pseudoarthrosis.

In each case, the model is not adjusted for the variable itself.