

Table 3 Joint Motion Difference of the Talocrural and Subtalar Joints from Heel-strike to Mid-stance during the Stance Phase of Walking

	Joint Motion Difference 1											
	Talocrural Joint						Subtalar Joint					
	Rotation (°)			Displacement (mm)			Rotation (°)			Displacement (mm)		
	DF+/PF-	EV+/IV-	ER+/IR-	A+/P-	L+/M-	P+/D-	DF+/PF-	EV+/IV-	ER+/IR-	A+/P-	L+/M-	P+/D-
Normal	1.74±4.03	3.99±1.96	8.00±2.52	0.07±0.50	-0.16±0.93	0.17±0.70	3.76±2.43	4.43±4.15	4.69±3.09	-1.05±1.43	0.42±1.01	0.71±0.50
FAI	2.29±4.94	0.76±1.95	9.26±2.98	-0.10±0.61	-0.16±1.35	0.01±0.50	4.55±2.29	6.63±3.57	4.72±4.56	-1.21±0.55	-0.29±1.98	0.85±1.09
FAI with Brace	-3.18±4.06	-0.67±1.86	3.98±5.49	-0.14±0.43	0.53±1.48	-0.30±0.93	-5.34±2.81	-0.68±5.60	-2.77±2.33	-1.65±0.99	-0.25±4.01	1.06±1.14

DF/PF, dorsiflexion/plantarflexion; EV/IV, eversion/inversion; ER/IR, external rotation/internal rotation; A/P, Anterior/posterior displacement; L/M, lateral/medial displacement; P/D, proximal/distal displacement.

Table 4 Joint Motion Difference of the Talocrural and Subtalar Joints from Mid-stance to Toe-off during the Stance Phase of Walking

	Joint Motion Difference 2											
	Talocrural Joint						Subtalar Joint					
	Rotation (°)			Displacement (mm)			Rotation (°)			Displacement (mm)		
	DF+/PF-	EV+/IV-	ER+/IR-	A+/P-	L+/M-	P+/D-	DF+/PF-	EV+/IV-	ER+/IR-	A+/P-	L+/M-	P+/D-
Normal	4.75±5.09	0.38±2.51	0.92±3.23	-0.11±0.45	-0.08±0.45	0.33±0.92	-6.49±3.55	-6.58±3.94	-3.96±3.35	2.22±0.92	-0.37±1.64	-1.18±0.92
FAI	4.74±7.45	1.48±2.31	2.10±2.98	0.55±0.60	-0.26±0.81	0.49±0.57	-4.65±2.95	-11.96±3.19	-4.50±3.81	1.26±1.04	2.22±1.89	-0.69±1.24
FAI with Brace	-4.82±5.86	1.06±1.40	-1.90±4.09	-0.55±0.85	-0.13±2.24	0.99±0.78	5.29±3.37	0.54±5.86	1.72±3.46	1.63±1.38	0.68±3.01	-0.57±1.27

DF/PF, dorsiflexion/plantarflexion; EV/IV, eversion/inversion; ER/IR, external rotation/internal rotation; A/P, Anterior/posterior displacement; L/M, lateral/medial displacement; P/D, proximal/distal displacement.













