

TABLE E-1 P Values for Statistical Tests Described in the Text

	Inward Torsion Group			Outward Torsion Group		
	Preop. to Postop.*	Preop. to Typical†	Postop. to Typical†	Preop. to Postop.*	Preop. to Typical†	Postop. to Typical†
Tibial torsion (<i>deg</i>)						
Physical examination	<0.001	<0.001	0.055	0.001	0.004	0.913
Kinematic marker set	<0.001	<0.001	0.177	<0.001	0.011	0.068
Velocity (<i>m/s</i>)	0.414	0.227	0.844	0.967	0.689	0.708
Foot progression angle (<i>deg</i>)	<0.001	<0.001	<0.001	<0.001	<0.001	0.353
Peak knee extension (<i>deg</i>)	0.516	0.119	0.390	0.244	0.789	0.095
Maximum dorsiflexion in stance (<i>deg</i>)	0.330	0.468	0.033	0.303	0.104	0.332
Gait Deviation Index	<0.001	<0.001	0.002	0.002	<0.001	0.009
Peak knee flexion moment (<i>Nm/kg</i>)	0.398	0.0495	0.092	0.015	<0.001	0.769
Frontal knee moment‡ (<i>Nm/kg</i>)						
Contralateral foot-off (loading)	0.522	0.769	0.375	0.118	0.249	0.838
Contralateral foot contact (push-off)	<0.001	<0.001	0.750	<0.001	0.002	0.562
Peak ankle plantar flexion moment (<i>Nm/kg</i>)	0.029	0.004	0.002	0.067	0.421	0.639
Peak ankle power generation (<i>W/kg</i>)	0.016	0.003	0.436	0.453	0.401	0.685

*Comparisons performed with use of paired Student t tests. †Comparisons performed with use of unpaired Student t tests. ‡Frontal plane knee moments are expressed as internal moments, with positive values indicating internal valgus.