Table 3. Summary of multiple regression analysis of regression score from PCA with predictor variables (only significant results are shown).

Joint	Plane	Principle component (% gait cycle)	Predictor variables β (Std Error), *p* value									Model R^2	Model *p* value
			%FM Linear	%FM quad	Age Linear	Height Linear	Velocity Linear	Step distance Linear	Step width Linear	Step width quad	Stance duration Linear		
Joint angles													
Hip	sagittal	PC2 (33 to 61)	0.025 (.010) *p* 0.014			6.669 (1.287) *p* 0.000	-0.002 (.001) *p* 0.016	-0.009 (.003) *p* 0.001				.690	.000
Knee	sagittal	PC1 (27 to 51)	0.031 (.014) *p* 0.027				-0.003 (.001) *p* 0.004					.247	.001
Knee	transverse	PC2 (23 to 53)	0.048 (.014) *p* .001									.184	.001
Ankle	transverse	PC3 (91 to 3)	-0.034 (.015) *p* 0.026									.092	.026
Joint moments													
Hip	sagittal	PC1 (27 to 45)	-0.047 (.014) *p* 0.001									.181	.001
Hip	frontal	PC1 (10 to 34)	0.055 (.012) *p* 0.000						-0.072 (.034) *p* 0.041	0.000 (.000) *p* 0.017	0.179 (.083) *p* 0.035	.583	.000
Knee	frontal	PC1 (24 to 42)	0.030 (.014) *p* 0.048			4.267 (1.604) *p* 0.010						.229	.001
Ankle	transverse	PC1 (25 to 47)	-0.229 (.065) *p* 0.001	0.005 (.001) *p* 0.000	0.247 (.090) *p* 0.008							.501	.000