

Supplementary file 1: Principal component analysis individual GaitSmart® analysis

Previously, a principal component analysis (PCA) was performed on individual GaitSmart® parameters to explore structure in relationships between GaitSmart® parameters and to reduce the total set of parameters to a limited set of underlying domains(1).

Table S1. Principal component analysis GaitSmart® parameters

Domain	Parameter	Component				
		1	2	3	4	5
GS Knee	ROM index knee in swing	0.134	0.891	-0.111	-0.034	-0.058
	ROM contralateral knee in swing	0.164	0.876	0.062	-0.046	-0.026
	ROM index calf	0.491	0.764	-0.163	-0.011	0.047
	ROM contralateral calf	0.526	0.745	-0.019	0.021	0.068
	ROM index knee in stance	0.534	0.478	-0.007	-0.132	-0.368
	ROM contralateral knee in stance	0.613	0.346	-0.057	-0.121	-0.088
GS Hip	ROM index hip	0.849	0.208	-0.065	0.080	0.059
	ROM contralateral hip	0.841	0.184	0.025	0.164	0.065
	Speed (m/s)	0.919	0.207	-0.048	-0.175	-0.028
	Average duration per stride (s)	-0.565	0.059	0.014	0.513	0.186
	Stride length (m)	0.761	0.281	-0.046	0.087	0.101
GS Difference knee	Difference ROM knees in swing	-0.054	-0.105	0.803	0.189	-0.067
	Difference ROM calves	-0.043	-0.005	0.847	0.189	-0.067
GS Difference stance	Difference ROM knees in stance	0.069	-0.012	0.126	-0.033	0.912
GS Difference hip	Difference ROM hip	0.099	-0.091	0.060	0.836	-0.071

GS: GaitSmart™, ROM: range of motion