

Table2. Summary of principle component analysis of 3D lower limb joint angles.

Joint	Plane	PC1		PC2		PC3		PC4		PC5	
		% Variance explained	% of gait cycle	% Variance explained	% of gait cycle	% Variance explained	% of gait cycle	% Variance explained	% of gait cycle	% Variance explained	% of gait cycle
Hip	sagittal	41.75	95 to 23	38.98	33 to 61						
	frontal	25.92	17 to 39	17.17	49 to 61	16.67	81 to 93	16.16	65 to 77	14.30	1 to 11
	transverse	34.83	61 to 81	34.42	87 to 5	27.94	49 to 51				
Knee	sagittal	26.46	27 to 51	25.85	1 to 23	19.87	69 to 85	14.12	53 to 65	10.44	89 to 97
	frontal	44.38	23 to 53 93 to 99	35.80	57 to 81						
	transverse	42.18	7 to 13 57 to 85	37.16	23 to 53	16.77	91 to 99				
Ankle	sagittal	24.49	7 to 25	20.66	31 to 45	19.78	89 to 3	18.09	61 to 73	10.76	51 to 57
	frontal	38.51	57 to 85	37.81	21 to 53	17.92	89 to 99				
	transverse	35.66	57 to 83	31.12	29 to 51	29.12	91 to 3				