

Table S1 Effect of CoP model on muscle stress by joint. Stresses for each model are shown as a proportion of the model used (25% initial location, exponential movement).

Joint	10%, $e/2$	10%, e	25%, $e/2$
MTP	2.01	1.31	2.35
Ankle	0.98	1.00	0.96
Knee	0.96	0.98	0.94
Hip	1.10	1.01	1.18