

**Supplementary Table 3.** Correlation of turning related parameters with COP oscillation

	Mean COP oscillation (AP axis)		Mean COP oscillation (RL axis)	
	Coefficient	<i>p</i> value	Coefficient	<i>p</i> value
Time required for turning	0.34	0.01	0.34	0.01
Variability of mean turning time	-0.04	0.75	-0.02	0.86
Number of steps for turning	0.19	0.16	0.24	0.08
Variability of number of steps for turning	-0.04	0.79	-0.18	0.18
Step base during turning	0.22	0.09	0.11	0.40
Variability of step base during turning	-0.16	0.23	-0.17	0.20
Step length during turning	-0.13	0.32	-0.03	0.78
Variability of step length during turning	-0.22	0.10	0.05	0.69
Turning velocity	-0.05	0.73	0.03	0.81

Numbers are presented as a standardized coefficient and *p* value. Correlations were performed with Spearman's partial correlation analysis with age, sex and LEDD as cofactors.

COP, center of pressure; AP, anteroposterior; RL, right-left; LEDD, levodopa equivalent daily dose.