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Supplementary Table 1: Gait characteristics

Group	Visual cue	Step Length (m)		Velocity (m/s)	Double Support Time (s)
		Mean (SD)	Range (Min - Max)	Mean (SD)	Mean (SD)
Control (n=32)	WALK	0.70 (0.08)	0.56 – 0.85	1.26 (0.18)	0.26 (0.06)
	WALK-CUE	0.59 (0.08)	0.52 – 0.90	1.13 (0.17)	0.27 (0.05)
	DUAL	0.65 (0.07)	0.53 – 0.83	1.11 (0.19)	0.29 (0.07)
	DUAL-CUE	0.59 (0.07)	0.53 – 0.81	1.08 (0.16)	0.28 (0.06)
PD (n=55)	WALK	0.62 (0.10)	0.40 – 0.85	1.06 (0.19)	0.32 (0.10)
	WALK-CUE	0.57 (0.03)	0.46 – 0.68	0.96 (0.17)	0.33 (0.14)
	DUAL	0.59 (0.09)	0.39 – 0.84	0.98 (0.20)	0.34 (0.10)
	DUAL-CUE	0.56 (0.03)	0.40 – 0.65	0.94 (0.14)	0.35 (0.14)

[*significance level $p < 0.05$]

Supplementary Table 2: Gait characteristic associations with saccade frequency

Group	Visual cue	Step Length (m)	Velocity (m/s)	Double Support Time (s)
		r (p)	r (p)	r (p)
Control	WALK-CUE	-.077 (.674)	-.083 (.651)	-.031 (.867)
	ΔCUE	-.066 (.720)	-.046 (.802)	-.113 (.537)
	DUAL-CUE	-.181 (.322)	-.044 (.812)	.018 (.922)
	ΔCUE-DUAL	-.314 (.080)	-.214 (.238)	.137 (.453)
PD	WALK-CUE	.032 (.814)	.185 (.176)	.034 (.806)
	ΔCUE	.047 (.732)	.140 (.309)	.016 (.906)
	DUAL-CUE	.062 (.652)	.336 (.012)*	-.152 (.267)
	ΔCUE-DUAL	.033 (.812)	.296 (.028)*	-.158 (.250)

[*significance level below p<0.05, change scores were correlated with absolute cued trial outcomes]