

Internal cueing improves gait more than external cueing in healthy adults and people with Parkinson disease

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Supplementary Table 1. Means and standard deviations of gait characteristics and variabilities for different cueing conditions, averaged across participants for each group.

		Normalized Velocity (cm/s/leg length)			Cadence (steps/min)			Stride Length (cm)		
		OC		PD	YC		OC	YC		PD
		YC	OC	PD	YC	OC	PD	YC	OC	PD
Forward	Uncued	1.71 (0.21)	1.66 (0.16)	1.53 (0.21)	110.58 (6.74)	112.14 (6.02)	110.90 (7.84)	149.47 (10.31)	143.51 (15.28)	134.08 (15.58)
	Music	1.70 (0.20)	1.69 (0.16)	1.56 (0.20)	110.60 (7.31)	113.28 (6.66)	111.13 (7.71)	148.58 (9.29)	144.34 (12.10)	134.16 (15.66)
	Sing	1.73(0.22)	1.68 (0.17)	1.56 (0.26)	112.49 (7.89)	114.43 (7.62)	112.72 (8.63)	147.93 (10.16)	142.15 (13.22)	133.02 (17.23)
Backward	Uncued	1.32 (0.22)	1.17 (0.19)	0.99 (0.23)	107.29 (9.19)	110.86 (9.46)	112.30 (9.93)	118.72 (13.36)	102.77 (16.47)	83.48 (21.55)
	Music	1.33 (0.21)	1.26 (0.21)	1.07 (0.22)	107.24 (9.12)	110.72 (9.44)	112.96 (10.43)	119.83 (12.33)	109.67 (15.88)	90.45 (20.35)
	Sing	1.41 (0.21)	1.28 (0.21)	1.10 (0.22)	110.71 (8.68)	112.89 (9.54)	115.54 (10.02)	123.38 (13.14)	109.86 (17.04)	91.15 (20.90)
		Stride Length CV			Stride Time CV			Single Support Time CV		
		OC		PD	YC		OC	YC		PD
		YC	OC	PD	YC	OC	PD	YC	OC	PD
Forward	Uncued	1.83 (0.77)	2.18 (0.67)	2.73 (1.43)	1.73 (0.59)	2.19 (0.82)	2.24 (0.71)	2.55 (0.75)	3.19 (1.07)	3.78 (1.09)
	Music	2.77 (1.19)	2.79 (1.32)	4.07 (2.59)	2.25 (0.85)	2.32 (1.05)	2.45 (0.77)	3.43 (1.17)	3.78 (1.77)	4.32 (1.58)
	Sing	2.04 (0.84)	2.35 (1.04)	2.52 (0.93)	1.65 (0.61)	1.86 (0.57)	2.02 (0.66)	3.02 (0.79)	3.18 (0.71)	3.82 (1.25)
Backward	Uncued	4.33 (1.44)	6.11 (2.38)	7.77 (2.99)	3.11 (0.97)	3.84 (1.28)	4.15 (1.54)	5.03 (1.18)	5.97 (1.68)	7.14 (2.70)
	Music	5.35 (2.14)	6.18 (2.35)	7.59 (2.54)	3.27 (1.89)	3.01 (0.86)	3.63 (1.89)	5.29 (2.36)	5.44 (1.79)	6.63 (2.83)
	Sing	4.19 (1.42)	5.65 (2.03)	7.12 (2.97)	2.81 (0.71)	2.64 (0.86)	3.25 (1.19)	4.56 (1.12)	4.99 (1.45)	5.99 (1.98)

See figures for significance.