

	FAST/AD (n=158), a	FAST/IN (n=70), b	SLOW (n=196), c	F <sub>2,421</sub>	P(FDR)	post-hoc	η <sup>2</sup>
Mean age, years	61.20 (10.53)	66.94 (9.42)	64.20 (9.66)	8.891557	<0.001	a<c, a<b	
Spatiotemporal parameters							
Gait speed (cm/second)	67.15 (17.86)	65.16 (13.55)	29.86 (11.30)	340.93	<0.001	a>c, c<b	0.6183
Stride length, unaffected (cm)	87.46 (16.15)	80.97 (12.41)	51.62 (14.76)	274.87	<0.001	a>c, c<b, a>b	0.5663
Stride length, affected (cm)	87.29 (15.60)	80.67 (12.92)	51.37 (14.98)	277.27	<0.001	a>c, c<b, a>b	0.5684
Step length, unaffected (cm)	43.20 (9.26)	40.59 (7.05)	24.02 (9.73)	213.89	<0.001	a>c, c<b	0.504
Step length, affected (cm)	43.71 (8.83)	40.14 (8.80)	27.67 (9.33)	147.1	<0.001	a>c, c<b, a>b	0.4114
Cadence (steps/minute)	91.57 (14.18)	96.74 (14.67)	70.66 (23.06)	76.6	<0.001	a>c, c<b	0.2668
Initial double support, unaffected (seconds)	0.21 (0.07)	0.29 (0.12)	0.76 (1.12)	25.23	<0.001	a<c, c>b	0.107
Initial double support, affected (seconds)	0.21 (0.07)	0.24 (0.11)	0.59 (0.49)	61.46	<0.001	a<c, c>b	0.226
Single support, unaffected (seconds)	0.48 (0.12)	0.69 (0.19)	0.79 (0.55)	28.23	<0.001	a<c, a<b	0.1182
Single support, affected (seconds)	0.47 (0.10)	0.58 (0.14)	0.61 (0.30)	19.01	<0.001	a<c, a<b	0.0828
Terminal double support, unaffected (seconds)	0.21 (0.07)	0.27 (0.13)	0.64 (0.61)	48.67	<0.001	a<c, c>b	0.1878
Terminal double support, affected (seconds)	0.21 (0.08)	0.27 (0.13)	0.65 (0.86)	27.14	<0.001	a<c, c>b	0.1142
Kinematic parameters (degrees)							
Stance phase							
Hip extension, unaffected	-13.89 (14.89)	6.45 (8.31)	1.01 (13.44)	78.73	<0.001	a<c, a<b, c<b	0.2722
Hip extension, affected	-13.08 (14.92)	8.36 (7.60)	3.75 (13.13)	96.79	<0.001	a<c, a<b, c<b	0.315
Knee flexion, unaffected	17.47 (7.81)	27.39 (7.52)	27.58 (14.11)	40.29	<0.001	a<c, a<b	0.1607
Knee flexion, affected	13.30 (9.99)	28.37 (7.64)	15.80 (12.32)	49.1	<0.001	a<b, c<b	0.1891
Ankle dorsiflexion, unaffected	16.80 (14.37)	14.41 (3.77)	23.00 (17.00)	12.53	<0.001	a<c, c>b	0.0562
Ankle dorsiflexion, affected	16.90 (14.69)	14.32 (5.35)	12.63 (13.97)	4.54	0.014	a<c	0.0211
Swing phase							
Hip flexion, unaffected	29.24 (13.87)	45.39 (12.85)	34.93 (10.95)	41.14	<0.001	a<c, a<b, c<b	0.1635
Hip flexion, affected	25.10 (14.91)	39.38 (6.82)	26.45 (12.70)	32.89	<0.001	a<b, c<b	0.1351
Knee flexion, unaffected	52.51 (12.24)	67.17 (7.41)	56.96 (11.56)	41.14	<0.001	a<c, a<b, c<b	0.1635
Knee flexion, affected	39.82 (16.22)	58.03 (12.02)	33.22 (17.32)	60.85	<0.001	a>c, a<b, c<b	0.2243
Ankle dorsiflexion, unaffected	6.60 (13.21)	10.59 (6.30)	13.73 (6.66)	24.13	<0.001	a<c, a<b	0.1028
Ankle dorsiflexion, affected	4.04 (13.70)	9.41 (7.86)	4.05 (10.15)	6.58	0.002	a<b, c<b	0.0303
Kinetic parameters							
Moment (Nm/kg)							
Hip extension, unaffected	0.69 (0.86)	0.57 (0.45)	1.12 (4.59)	1.16	0.332		0.0055
Hip extension, affected	0.60 (0.57)	0.62 (0.63)	0.81 (1.62)	1.54	0.235		0.0073
Knee extension, unaffected	0.60 (0.69)	1.13 (0.98)	0.93 (1.01)	10.34	<0.001	a<c, a<b	0.0468
Knee extension, affected	0.51 (0.51)	1.03 (0.62)	0.85 (0.84)	16.91	<0.001	a<c, a<b	0.0743
Ankle extension, unaffected	1.20 (0.46)	0.95 (0.56)	1.36 (1.48)	4.01	0.023	c>b	0.0187
Ankle extension, affected	1.17 (0.54)	0.96 (0.60)	1.15 (1.48)	0.94	0.403		0.0044
Power generation (Watt/kg)							
Hip, unaffected	1.26 (1.99)	0.74 (0.77)	2.04 (11.69)	0.82	0.441		0.0039
Hip, affected	1.08 (0.86)	0.69 (0.59)	0.68 (1.23)	7.36	0.001	a>c, a>b	0.0338
Knee, unaffected	0.69 (0.67)	1.02 (0.96)	1.42 (2.98)	5.29	0.007	a<c	0.0245
Knee, affected	0.83 (0.91)	1.12 (0.95)	1.22 (1.76)	3.5	0.036	a<c	0.0163
Ankle, unaffected	1.70 (1.22)	1.36 (1.01)	2.05 (2.92)	2.92	0.062		0.0137
Ankle, affected	1.80 (1.57)	1.08 (0.82)	1.35 (2.23)	4.57	0.014	a>b	0.0213

Data are mean (SD).

**Supplementary Table 1. Quantitative gait analysis data in subgroups within the hemiplegia group**