

1 Tables

2 Table 1. Characteristics of patients in stroke and control groups.

	Stroke (<i>n</i> = 20)	Control (<i>n</i> = 20)	P-value
Age (years)	72.10 ± 7.15	72.65 ± 6.93	N.S.
Height (cm)	162.30 ± 8.65	163.60 ± 8.09	N.S.
Weight (kg)	63.55 ± 8.65	65.51 ± 10.04	N.S.
Gender (female/male)	8/12	8/12	N.S.
BMI (kg/m ²)	23.97 ± 2.52	24.44 ± 2.89	N.S.
WHR (waist/hip ratio)	0.87 ± 0.05	0.89 ± 0.05	N.S.
Education (years)	16.50 ± 7.03	16.55 ± 5.24	N.S.
MMSE [†] (Max score: 30)	24.15 ± 4.90	28.45 ± 1.53	< .001*
RMI [‡] (Max score: 15)	11.85 ± 2.10	15.00 ± 0.00	< .001*
Up and Go test (s)	17.32 ± 7.19	7.76 ± 1.13	< .001*
No. of falls in previous year	0.55 ± 0.99	0.05 ± 0.22	< .040*
Period after stroke onset (months)	114.95 ± 78.23		
Hemiparetic side (right/left)	6/14		
Type of stroke (I/H) [§]	16/4		
Use of walking aid (yes/no)	7/13		

Data are mean ± SD. [†]MMSE: Mini-Mental State Exam; [‡]RMI: Rivermead Mobility Index;

[§]I: Ischemic; H: Hemorrhagic. * indicates significant difference between groups (P < .05).

N.S.: Not significant.

5 Table 2. Results of gait parameters on walking condition in stroke and control groups

Gait variable	Group	Walking Condition				<i>P</i> -value	η_p^2
		Normal [†]	RAS [‡]	RSS [§]	RCS [¶]		
Speed (m/s)	Stroke (<i>n</i> = 20)	0.81 ± 0.23	0.88 ± 0.24	0.88 ± 0.23	0.88 ± 0.23	Group < .001*	.607
	Control (<i>n</i> = 20)	1.35 ± 0.16	1.34 ± 0.17	1.36 ± 0.17	1.36 ± 0.17	Condition < .001*	.158
						Interaction < .002*	.143
Stride length (m)	Stroke (<i>n</i> = 20)	0.91 ± 0.22	0.98 ± 0.22	0.98 ± 0.23	0.98 ± 0.23	Group < .001*	.490
	Control (<i>n</i> = 20)	1.33 ± 0.14	1.31 ± 0.14	1.33 ± 0.14	1.33 ± 0.14	Condition < .001*	.163
						Interaction < .001*	.232
Gait cycle (s)	Stroke (<i>n</i> = 20)	1.18 ± 0.20	1.16 ± 0.20	1.16 ± 0.20	1.15 ± 0.19	Group < .001*	.260
	Control (<i>n</i> = 20)	0.99 ± 0.06	0.99 ± 0.07	0.99 ± 0.07	0.98 ± 0.07	Condition < .023*	.096
						Interaction < .257	.035
Cadence (steps/min)	Stroke (<i>n</i> = 20)	104.10 ± 15.60	105.59 ± 15.37	105.95 ± 15.28	106.32 ± 14.95	Group < .001*	.305
	Control (<i>n</i> = 20)	121.03 ± 8.17	121.33 ± 9.37	121.99 ± 9.68	122.22 ± 9.86	Condition < .014*	.104
						Interaction < .581	.015
Stance (%)	Stroke (<i>n</i> = 20)	63.19 ± 4.06	62.61 ± 3.52	62.58 ± 4.08	62.49 ± 3.80	Group < .010*	.163
	Control (<i>n</i> = 20)	60.11 ± 2.39	60.03 ± 2.16	59.89 ± 2.53	60.06 ± 2.35	Condition < .126	.052
						Interaction < .326	.029
Swing (%)	Stroke (<i>n</i> = 20)	36.80 ± 4.06	37.38 ± 3.52	37.41 ± 4.08	37.50 ± 3.80	Group < .010*	.163
	Control (<i>n</i> = 20)	39.88 ± 2.39	39.96 ± 2.16	40.10 ± 2.53	39.93 ± 2.35	Condition < .126	.052
						Interaction < .326	.029
Double support (%)	Stroke (<i>n</i> = 20)	28.54 ± 7.07	26.65 ± 6.36	27.20 ± 6.81	27.01 ± 6.61	Group < .001*	.314
	Control (<i>n</i> = 20)	20.28 ± 4.18	20.03 ± 4.10	19.89 ± 4.19	20.27 ± 3.95	Condition < .001*	.157

						Interaction < .006*	.106
Stride length CV (%)	Stroke (<i>n</i> = 20)	6.87 ± 2.92	5.13 ± 1.59	5.24 ± 1.75	5.14 ± 1.78	Group < .001*	.488
	Control (<i>n</i> = 20)	2.60 ± 0.71	3.20 ± 0.95	3.10 ± 0.96	2.91 ± 0.59	Condition < .008*	.119
						Interaction < .001*	.286
Gait cycle CV (%)	Stroke (<i>n</i> = 20)	4.69 ± 2.28	3.37 ± 1.25	3.54 ± 1.39	3.54 ± 1.41	Group < .001*	.357
	Control (<i>n</i> = 20)	2.05 ± 0.87	2.23 ± 0.71	2.15 ± 0.63	2.14 ± 0.67	Condition < .001*	.151
						Interaction < .001*	.218
Stance CV (%)	Stroke (<i>n</i> = 20)	4.04 ± 1.42	3.16 ± 0.82	3.15 ± 1.05	3.12 ± 0.88	Group < .003*	.213
	Control (<i>n</i> = 20)	2.36 ± 1.09	2.50 ± 1.09	2.26 ± 1.24	2.37 ± 1.13	Condition < .001*	.129
						Interaction < .001*	.138
Swing CV (%)	Stroke (<i>n</i> = 20)	7.29 ± 3.73	5.40 ± 1.91	5.50 ± 2.63	5.39 ± 2.15	Group < .001*	.247
	Control (<i>n</i> = 20)	3.56 ± 1.64	3.78 ± 1.64	3.41 ± 1.88	3.59 ± 1.71	Condition < .001*	.162
						Interaction < .001*	.177
Double support CV (%)	Stroke (<i>n</i> = 20)	11.16 ± 3.05	9.54 ± 2.43	9.65 ± 2.91	9.22 ± 2.85	Group < .575	.008
	Control (<i>n</i> = 20)	10.05 ± 5.03	11.24 ± 5.89	10.10 ± 4.92	10.92 ± 4.53	Condition < .280	.033
						Interaction < .002*	.124

6 Data are mean ± SD. [†]Normal: No stimulation; [‡]RAS: rhythmic auditory stimulation; [§]RSS: rhythmic somatosensory stimulation; [¶]RCS:
7 rhythmic combined stimulation (RAS + RSS). * indicates significant difference (p < .05).