

Table 1: Summary of participants and their sit to stand neurobiomechanical characteristics, mean (SD) and count (percentage) at baseline, separated into the three sit-to-stand (StS) ability sub-groups.

Characteristic	Never-able (n=19)		Always-able (n=51)		Able-after-baseline (n=21)	
Gender (male)	10 (52.6%)		32 (62.8%)		11 (52.4%)	
Age (years)	74.58 (7.34)		65.78 (13.74)		70.43 (9.46)	
Time since stroke (days)	43.74 (21.87)		27.9 (17.94)		33.05 (18.81)	
Neglect present	5 (26.3%)		6 (11.8%)		7 (33.3%)	
Walking Speed	0.00 (0.00)		0.37 (0.33)		0.05 (0.14)	
Modified Rivermead Mobility Index	19.00 (6.06)		34.28 (8.63)		24.20 (7.95)	
Hemiplegic side (right)	7 (36.8%)		22 (43.1%)		3 (14.3%)	
Peak forward position of CoM (mm)	136.23 (87.61)		259.11 (52.87)		173.97 (69.17)	
Time of peak trunk flexion after onset (s)	5.06 (1.91)		2.67 (1.28)		2.98 (1.52)	
Quadriceps onset time(s) after movement onset	H-side	Non- side	H-side	Non- side	H-side	Non- side
	0.91 (0.63)	2.09 (2.28)	1.33 (1.06)	1.44 (1.26)	1.73 (1.08)	1.69 (1.00)
Difference between quadriceps peaks (s)	1.65 (1.32)		0.9 (1.16)		1.38 (1.25)	
*Quadriceps peak time (s) after movement onset	H-side	Non- side	H-side	Non- side	H-side	Non- side
	3.38 (2.23)	3.76 (2.29)	2.67 (1.79)	2.80 (1.86)	3.00 (1.38)	2.92 (1.55)
Hamstrings peak time (s) after movement onset	H-side	Non- side	H-side	Non- side	H-side	Non- side
	3.6 (1.85)	3.42 (2.08)	2.56 (1.61)	2.58 (1.5)	4.23 (5.58)	3.00 (1.21)
Absolute time difference between quadriceps and hamstrings peaks (s)	H-side	Non- side	H-side	Non- side	H-side	Non- side
	1.67 (1.21)	1.23 (1.30)	0.62 (1.03)	0.51 (0.76)	2.51 (5.36)	1.22 (1.00)
*CoM forward position at time of peak quadriceps (mm)	H-side	Non- side	H-side	Non- side	H-side	Non- side
	68.86 (82.70)	98.92 (56.75)	202.31 (73.42)	211.37 (68.26)	128.87 (73.55)	113.97 (64.89)

H-side = hemiplegic side, Non-side = Non hemiplegic side, *indicates a characteristic that was statistically significantly ($p < 0.05$) between the never-able and able-after-baseline sub-groups.