

**Table S2.** Changes in MMT scores of key muscles and UEMSs after intervention

	RT (n=17)			OT (n=13)			Between group differences
	Pre	Post	p-value	Pre	Post	p-value	p-value
C5 <sup>1</sup>	3.29±1.64	3.76±1.85	0.023*	4.15±1.28	4.23±.23	0.317	0.074
C6 <sup>2</sup>	3.47±1.46	3.88±1.36	0.088	3.38±1.66	3.84±1.46	0.034*	0.822
C7 <sup>3</sup>	3.29±1.49	3.70±1.61	0.035*	3.76±1.42	4.15±1.21	0.157	0.638
C8 <sup>4</sup>	2.52±1.87	2.64±2.02	0.317	2.84±1.67	3.07±1.89	0.180	0.532
T1 <sup>5</sup>	2.00±1.65	2.17±1.77	0.257	2.15±1.46	2.53±1.56	0.025*	0.202
Total (UEMS)	14.59±6.49	16.18±7.25	0.018*	16.31±6.83	17.85±6.81	0.010*	0.966

Values are presented as mean±standard deviation.

MMT, manual muscle test; UEMS, upper extremity motor score; RT, combining upper limb robotic therapy with conventional occupational therapy; OT, only conventional occupational therapy; C5<sup>1</sup>, elbow flexion; C6<sup>2</sup>, wrist extension; C7<sup>3</sup>, elbow extension; C8<sup>4</sup>, 3rd finger flexion; T1<sup>5</sup>, 5th finger abduction; and the superscripts indicate key muscle function of corresponding level.

\*p<0.05 by Wilcoxon signed-rank test.