

Table 3. Changes in outcome measure values between three groups.

Outcome Measures		Measures (Mean ± SD)				(2-Week) vs (Baseline)					(3-Month) vs (Baseline)				
		Baseline	2-Week	3-Month	Friedman	Within Group		Between Groups			Within Group		Between Groups		
						Change	Wilcoxon S Rank	Kruskal-Wallis	Pairwise	Mann-Whitney U	Change	Wilcoxon S Rank	Kruskal-Wallis	Pairwise	Mann-Whitney U
Fugl-Meyer	R	63.60±14.80	64.60±7.19	65.50±6.85	0.060	3.0±5.84	0.109		R vs C	0.293	1.90±10.93	0.109		R vs C	0.397
	L	49.50±15.02	53.80±13.52	57.55±14.42	0.005*	4.77±8.78	0.043	0.009*	L vs C	0.009*	8.44±13.75	0.027	0.002*	L vs C	0.002*
	C	55.40±11.96	55.45±11.95	55.55±11.94	0.317	0.50±0.22	0.317		R vs L	0.693	0.15±0.67	0.317		R vs L	0.245
MAL(AoU)	R	3.91±1.26	4.40±1.05	4.45±0.99	<0.001*	0.48±0.48	0.008		R vs C	<0.001*	0.53±0.50	0.005		R vs C	<0.001*
	L	2.87±1.37	3.44±1.20	3.68±1.29	<0.001*	0.56±0.35	0.008	<0.001*	L vs C	<0.001*	0.79±0.67	0.008	<0.001*	L vs C	<0.001*
	C	3.68±1.12	3.68±1.12	3.69±1.12	0.368	0.1±0.04	0.180		R vs L	0.587	0.80±0.68	0.180		R vs L	0.596
MAL (QoU)	R	3.84±1.24	4.34±1.02	4.38±0.97	<0.001*	0.49±0.54	0.005		R vs C	<0.001*	0.53±0.55	0.005		R vs C	<0.001*
	L	2.82±1.36	3.40±1.19	3.65±1.27	<0.001*	0.58±0.37	0.008	<0.001*	L vs C	<0.001*	0.80±0.68	0.008	<0.001*	L vs C	<0.001*
	C	3.60±1.09	3.60±1.09	3.60±1.09	1.000	0.4±0.17	0.317		R vs L	0.650	0.00	0.317		R vs L	0.574
Box-block test	R	28.8±12.44	35.8±11.52	39.8±11.29	0.002*	7.0±5.51	0.008		R vs C	0.001*	11±8.90	0.007		R vs C	<0.001*
	L	21.77±13.17	27.88±13.84	29.75±16.04	0.007*	6.11±4.78	0.011	<0.001*	L vs C	<0.001*	9±7.38	0.027	<0.001*	L vs C	0.014*
	C	25.10±13.36	24.94±12.87	25.73±12.90	0.081	0.31±0.82	0.109		R vs L	0.762	0.63±1.42	0.061		R vs L	0.711
Stacking cube	R	9.8±4.61	12.1±4.52	12.20±3.67	0.023*	2.20±2.74	0.019		R vs C	0.003*	2.4±2.59	0.021		R vs C	0.114
	L	6.8±4.07	9.3±4.69	10.33±5.22	0.002*	3.0±2.0	0.007	<0.001*	L vs C	<0.001*	4.11±3.48	0.011	0.008*	L vs C	0.014*
	C	9.0±4.15	9.0±3.93	9.40±3.95	0.289	0.0±0.56	1.000		R vs L	0.213	0.40±1.66	0.289		R vs L	0.342
Turning card	R	11.6±6.29	14.9±6.27	16.1±6.53	0.002*	3.30±2.75	0.008		R vs C	<0.001*	4.5±4.30	0.008		R vs C	0.002*
	L	8.1±4.14	8.1±4.14	11.88±4.84	0.005*	2.77±2.43	0.016	<0.001*	L vs C	0.002*	4.44±4.33	0.018	0.001*	L vs C	0.011*
	C	11.10±4.40	11.45±4.28	11.15±4.06	0.097	0.10±0.44	0.317		R vs L	0.660	0.35±0.81	0.083		R vs L	0.870
Grasping objects	R	14.1±6.78	16.5±6.67	17.20±6.72	<0.001*	2.40±0.84	0.004		R vs C	<0.001*	3.10±1.91	0.007		R vs C	0.005*
	L	9.3±4.34	12.3±4.29	12.78±4.32	0.001*	3.0±2.12	0.010	<0.001*	L vs C	<0.001*	4.00±2.87	0.012	<0.001*	L vs C	0.002*
	C	12.55±5.71	12.60±5.80	12.75±6.93	0.872	0.0±0.45	1.000		R vs L	0.842	0.20±2.19	0.647		R vs L	0.509
Carrying a glass of water	R	5.05±3.08	2.96±1.56	2.39±0.74	0.006*	-2.0±2.83	0.007		R vs C	0.031	2.65±2.90	0.005		R vs C	0.002*
	L	13.15±12.80	5.62±4.15	3.54±1.28	0.003*	-7.53±9.91	0.019	<0.001*	L vs C	<0.001*	9.61±12.98	0.015	<0.001*	L vs C	0.001*
	C	5.69±4.11	5.57±4.06	5.39±3.95	0.156	-0.11±0.28	0.109		R vs L	0.452	0.21±0.41	0.140		R vs L	0.288
SIS-1	R	15.02±3.42	15.50±3.37	15.50±3.37	0.135	0.30±0.67	0.409		R vs C	0.143	0.30±0.67	0.180		R vs C	0.204
	L	14.44±3.28	15.11±3.48	15.66±3.70	0.014*	0.66±1.0	0.045	0.034*	L vs C	0.012*	1.22±1.48	0.041	0.002*	L vs C	0.000*
	C	13.70±4.52	13.70±4.52	13.70±4.52	1.000	0.00	1.000		R vs L	0.337	0.00	1.000		R vs L	0.039
SIS-5	R	41.50±9.14	43.80±9.16	43.90±8.86	0.001*	2.30±3.16	0.016	<0.001*	R vs C	0.002*	2.40±3.13	0.016	<0.001*	R vs C	0.003*

	L	36.60±9.28	36.10±9.60	38.11±9.70	0.004*	1.44±1.87	0.026		L vs C	0.009*	3.22±5.14	0.026		L vs C	0.007*
	C	35.90±11.04	35.90±11.04	35.60±11.06	0.396	0.10±0.44	0.317		R vs L	0.780	0.10±0.44	0.317		R vs L	0.905
SIS-7	R	19.10±5.17	21.50±4.17	21.80±3.35	<0.001*	2.60±2.63	0.011		R vs C	<0.001*	2.90±2.72	0.011		R vs C	<0.001*
	L	13.20±3.92	14.60±3.34	15.88±4.56	0.004*	2.22±2.27	0.027	<0.001*	L vs C	0.002*	3.44±3.43	0.017	<0.001*	L vs C	<0.001*
	C	17.50±5.51	17.50±5.51	17.50±5.51	1.000	0.00	1.000		R vs L	0.780	0.00	1.000		R vs L	0.842
SIS-9	R	73.00±14.37	77.50±12.52	80.00±11.54	0.002*	4.50±4.97	0.034		R vs C	0.017*	7.00±4.83	0.010		R vs C	<0.001*
	L	60.00±16.32	65.50±16.74	68.33±18.02	0.009*	6.11±6.0	0.034	0.001*	L vs C	0.003*	8.33±10.00	0.039	<0.001*	L vs C	0.018*
	C	61.50±20.33	61.50±20.33	61.50±20.33	1.000	0.00	1.000		R vs L	0.604	0.00	1.000		R vs L	0.968

R, Right mCIMT Group; L, Left mCIMT Group; C, Control Group; SD, Standard Deviation.

MAL, Motor Activity Log; MAL, Motor Activity Log; AOU, Amount of Use; QoU, Quality of Use; SIS, Stroke Impact Scale

* Statistically significant in the pair-wise comparisons by Mann-Whitney U tests with Bonferroni correction (p<0.017).