

Supplementary Table S1. Results of multiple comparisons of MMT and muscle function parameters.

Variable	Comparison	Mean	Standard	gl	P value	CI (95%)	
		Difference	Error			Min	Max
MMT (0-80)	Pre tDCs - Week 3	-0,72	0,27	1	0.046	-1,44	-0,01
	Pre tDCs - Week 3	-1,11	0,31	1	0.002	-1,93	-0,30
TSST best	ShG (pre tDCs) - ShG (post tDCs)	-0,88	0,02	1	<0.001	-0,95	-0,80
	ShG (pre tDCs) - ShG (week 3)	-1,75	0,03	1	<0.001	-1,86	-1,64
	ShG (pre tDCs) - ShG (week 8)	-1,38	0,04	1	<0.001	-1,50	-1,25
	ShG (post tDCs) - ShG (week 3)	-0,88	0,02	1	<0.001	-0,95	-0,80
	ShG (post tDCs) - ShG (week 8)	-0,50	0,03	1	<0.001	-0,61	-0,39
	ShG (week 3) - ShG (week 8)	0,38	0,02	1	<0.001	0,30	0,45
	AcG (pre tDCs) - AcG (post tDCs)	-1,00	0,02	1	<0.001	-1,07	-0,93
	AcG (pre tDCs) - AcG (week 3)	-1,40	0,03	1	<0.001	-1,49	-1,30
	AcG (pre tDCs) - AcG (week 8)	-1,84	0,04	1	<0.001	-1,96	-1,73
	AcG (post tDCs) - AcG (week 3)	-0,40	0,02	1	<0.001	-0,47	-0,33
	AcG (post tDCs) - AcG (week 8)	-0,84	0,03	1	<0.001	-0,94	-0,75
	AcG (week 3) - AcG (week 8)	-0,45	0,02	1	<0.001	-0,52	-0,37
TSST median	ShG (pre tDCs) - ShG (post tDCs)	-0,94	0,02	1	<0.001	-1,01	-0,87
	ShG (pre tDCs) - ShG (week 3)	-1,75	0,03	1	<0.001	-1,85	-1,65
	ShG (pre tDCs) - ShG (week 8)	-1,31	0,04	1	<0.001	-1,44	-1,19
	ShG (post tDCs) - ShG (week 3)	-0,81	0,02	1	<0.001	-0,89	-0,74
	ShG (post tDCs) - ShG (week 8)	-0,38	0,03	1	<0.001	-0,48	-0,27
	ShG (week 3) - ShG (week 8)	0,44	0,02	1	<0.001	0,37	0,51
	AcG (pre tDCs) - AcG (post tDCs)	-1,00	0,02	1	<0.001	-1,07	-0,94
	AcG (pre tDCs) - AcG (week 3)	-1,51	0,03	1	<0.001	-1,61	-1,42
	AcG (pre tDCs) - AcG (week 8)	-1,78	0,04	1	<0.001	-1,89	-1,66
	AcG (post tDCs) - AcG (week 3)	-0,51	0,02	1	<0.001	-0,58	-0,45
	AcG (post tDCs) - AcG (week 8)	-0,78	0,03	1	<0.001	-0,87	-0,68
	AcG (week 3) - AcG (week 8)	-0,26	0,02	1	<0.001	-0,34	-0,19
TUG best	Pre tDCs - Post tDCs	0,32	0,09	1	0.001	0,10	0,55
TUG median	Pre tDCs - Post tDCs	0,31	0,09	1	0.002	0,08	0,54
	Pre tDCs - Week 3	0,32	0,12	1	0.048	0,00	0,65

ShG: sham group; AcG: active stimulation group; tDCs: transcranial direct current stimulation; MMT: manual muscle testing; TSST: time sit do stand test; TUG: timed up and go test. CI: confidence interval; Min: minimum; Max: maximum.

Supplementary Table S2. Results of multiple comparisons of extension and flexion isokinetic tests, SF-36, disease activity and laboratory data parameters.

Variable	Comparison	Mean Difference	Standard Error	gl	P value	CI (95%)	
						Min	Max
PT (n-m) UL extension	Post tDCs - Week 3	-3,05	1,15	1	0.049	-6,09	-0,01
PT (n-m) LL extension	ShG (dominant) - ShG (non-dominant)	-5,94	1,77	1	0.005	-10,61	-1,28
	AcG (dominant) - AcG (non-dominant)	8,15	1,58	1	<0.001	3,97	12,32
PT (P/C) % UL extension	Post tDCs - Week 3	-4,16	1,54	1	0.041	-8,22	-0,10
PT (P/C) % UL extension	ShG (dominant) - ShG (non-dominant)	-8,14	2,22	1	0.001	-14,00	0-2,29
	AcG (dominant) - AcG (non-dominant)	11,00	1,98	1	<0.001	5,76	16,24
TW (J) UL extension	Post tDCs - Week 3	-19,16	6,65	1	0.024	-36,71	-1,61
TW (J) LL extension	ShG (dominant) - ShG (non-dominant)	-45,05	9,57	1	<0.001	-70,30	-19,80
PT (n-m) UL flexion	Dominant - Non-dominant	2,21	0,45	1	<0.001	1,34	3,09
PT (n-m) UL flexion	Dominant - Non-dominant	2,29	1,13	1	0.042	0,08	4,50
PT (P/C) % UL flexion	Dominant - Non-dominant	2,82	0,66	1	<0.001	1,52	4,12
TW (J) UL flexion	Dominant - Non-dominant	15,40	2,61	1	<0.001	10,28	20,52
Physical functioning	AcG (Pre tDCs) - AcG (week 8)	-2,50	0,10	1	<0.001	-2,80	-2,20
	AcG (week 3) - AcG (week 8)	-2,50	0,07	1	<0.001	-2,71	-2,29
Pain	Pre tDCs - Week 3	-11,67	3,37	1	0.002	-19,75	-3,60
General health	Non-significant results						
Emotional domain	AcG (Pre tDCs) - AcG (week 3)	3,30	0,10	1	<0.001	3,02	3,58
	AcG (Pre tDCs) - AcG (week 8)	3,30	0,14	1	<0.001	2,90	3,70
Mental health	Pre tDCs - Week 8	-8,80	2,61	1	0.002	-15,06	-2,54
	Week 3 - Week 8	-5,30	1,88	1	0.014	-9,79	-0,81
CPK (U/L)	Pre tDCs - Week 3	62,16	19,23	1	0.004	16,13	108,20
	Pre tDCs - Week 8	66,04	24,37	1	0.02	7,69	124,38
PaVAS (0-10)	Pre tDCs - Week 8	0,91	0,37	1	0.037	0,04	1,79
HAQ (0-3)	Non-significant results						
MYOACT (0-10)	ShG (Pre tDCs) - ShG (week 8)	0,04	0,01	1	0.002	0,01	0,07
	ShG (Pre tDCs) - ShG (week 8)	0,04	0,01	1	0.047	0,00	0,08
	ShG (week 3) - ShG (week 8)	0,03	0,01	1	0.003	0,01	0,05

ShG: Sham group; AcG: active stimulation group; tDCS: transcranial direct current stimulation; PT: peak torque; PT (P/C): peak torque/body weight ratio; TW: total work; 36-Item Short-Form Health Survey; CPK: creatine phosphokinase; PaVAS: Patients' visual analogue scale; HAQ: Health Assessment Quality; MYOACT: Myositis Disease Activity Assessment Visual Analogue Scale; CI: confidence interval; Min: minimum; Max: maximum.