

Supplementary Table 2. The characteristics of patients between DCM and control after PSM adjusted for age and sex

Variable	All (n=702)	DCM (n=351)	Control (n=351)	p-value
Age (yr)	52.87 ± 10.94	52.94 ± 10.54	52.80 ± 11.34	0.866 [†]
Sex				0.878 [‡]
Female	285 (40.60)	144 (41.03)	141 (40.17)	
Male	417 (59.40)	207 (58.97)	210 (59.83)	
Parameters of 10-s G&R test				
No. of cycles	20.38 ± 6.86	16.85 ± 4.65	23.92 ± 6.90	< 0.001 ^{*,†}
Maximum time of G&R (sec)	0.35 ± 0.16	0.39 ± 0.17	0.32 ± 0.14	< 0.001 ^{*,†}
Minimum time of G&R (sec)	0.79 ± 0.37	0.90 ± 0.36	0.67 ± 0.33	< 0.001 ^{*,†}
CV of G&R (%)	22.38 ± 15.16	27.16 ± 17.44	17.60 ± 10.49	< 0.001 ^{*,†}
Average time of G (sec)	0.36 ± 0.25	0.44 ± 0.25	0.28 ± 0.22	< 0.001 ^{*,†}
Maximum time of G (sec)	0.24 ± 0.18	0.31 ± 0.21	0.18 ± 0.12	< 0.001 ^{*,†}
Minimum time of G (sec)	0.56 ± 0.48	0.64 ± 0.39	0.47 ± 0.55	< 0.001 ^{*,†}
CV of G (%)	27.41 ± 19.43	26.44 ± 16.09	28.39 ± 22.26	0.185 [†]
Average time of R (sec)	0.28 ± 0.16	0.28 ± 0.10	0.29 ± 0.21	0.411 [†]
Maximum time of R (sec)	0.19 ± 0.08	0.20 ± 0.07	0.18 ± 0.09	0.006 ^{*,†}
Minimum time of R (sec)	0.46 ± 0.44	0.38 ± 0.16	0.55 ± 0.59	< 0.001 ^{*,†}
CV of R (%)	26.12 ± 22.46	20.93 ± 11.35	31.31 ± 28.77	< 0.001 ^{*,†}
PROMs				
mJOA	-	14.09 ± 2.33	-	-
NDI	-	24.93 ± 14.39	-	-
SF-12-PCS	-	32.13 ± 9.92	-	-
SF-12-MCS	-	43.55 ± 9.45	-	-
JOACMEQ-Cervical spine function	-	75.10 ± 20.11	-	-
JOACMEQ-Upper extremity function	-	83.09 ± 17.66	-	-
JOACMEQ-Lower extremity function	-	68.59 ± 28.24	-	-
JOACMEQ-Bladder function	-	89.37 ± 14.07	-	-
JOACMEQ-Quality of life	-	43.62 ± 15.80	-	-

Values are presented as mean ± standard deviation or number (%).

DCM, degenerative cervical myelopathy; PSM, propensity score matching; 10-s G&R, 10-second grip and release; CV, coefficient of variation; PROMs, patient-reported outcome measures; mJOA, modified Japanese Orthopaedic Association scale; NDI, Neck Disability Index; SF-12, 12-item Short Form health survey; PCS, physical composite score; MCS, mental composite score; JOACMEQ, Japanese Orthopaedic Association Cervical Myelopathy Evaluation Questionnaire.

*p < 0.05 was regarded as statistically significant. [†]p-value was calculated by the 2-sample independent t-test. [‡]p-value was calculated by the chi-square test.