

**Table S1.** Correlations of HGS parameters and clinical parameters.

	Group	Fmax 1	Fmax 2	Fmean 1	Fmean 2	Fatigue Ra- tio 1	Fatigue Ra- tio 2	Recovery Ratio
Bell	PCS-ME/CFS	$r = 0.34^{**}$	$r = 0.31^{**}$	$r = 0.33^{**}$	$r = 0.29^*$	$r = -0.2$	$r = -0.14$	$r = 0.14$
	PCS-Non-ME/CFS	$r = 0.19$	$r = 0.17$	$r = 0.17$	$r = 0.12$	$r = -0.13$	$r = 0.01$	$r = -0.08$
CFQ	PCS-ME/CFS	$r = -0.23^*$	$r = -0.19$	$r = -0.26^*$	$r = -0.2$	$r = 0.16$	$r = 0.14$	$r = 0.04$
	PCS-Non-ME/CFS	$r = -0.2$	$r = -0.18$	$r = -0.21$	$r = -0.2$	$r = 0.23$	$r = 0.19$	$r = -0.08$
DSQ-PEM	PCS-ME/CFS	$r = -0.32^{**}$	$r = -0.24^*$	$r = -0.33^{**}$	$r = -0.27^*$	$r = 0.32^{**}$	$r = 0.23$	$r = -0.02$
	PCS-Non-ME/CFS	$r = -0.23$	$r = -0.23$	$r = -0.27$	$r = -0.27$	$r = 0.24$	$r = 0.32^*$	$r = -0.07$
SF-36								
Physical Function	PCS-ME/CFS	$r = 0.47^{***}$	$r = 0.45^{***}$	$r = 0.53^{***}$	$r = 0.48^{***}$	$r = -0.43^{***}$	$r = -0.31^{**}$	$r = 0.16$
	PCS-Non-ME/CFS	$r = 0.24$	$r = 0.27^*$	$r = 0.3^*$	$r = 0.3^*$	$r = -0.31^*$	$r = -0.26^*$	$r = 0.08$
Role Limitations	PCS-ME/CFS	$r = 0.16$	$r = 0.2$	$r = 0.21$	$r = 0.22$	$r = -0.26^*$	$r = -0.20$	$r = 0.12$
	PCS-Non-ME/CFS	$r = 0.29^*$	$r = 0.3^*$	$r = 0.35^{**}$	$r = 0.33^{**}$	$r = -0.3^*$	$r = -0.29^*$	$r = 0.07$
Energy	PCS-ME/CFS	$r = 0.3^{**}$	$r = 0.38^{***}$	$r = 0.34^{**}$	$r = 0.39^{***}$	$r = -0.32^{**}$	$r = -0.13$	$r = 0.13$
	PCS-Non-ME/CFS	$r = 0.14$	$r = 0.12$	$r = 0.19$	$r = 0.15$	$r = -0.26^*$	$r = -0.24^*$	$r = -0.007$
Pain	PCS-ME/CFS	$r = 0.19$	$r = 0.32^{**}$	$r = 0.26^*$	$r = 0.33^{**}$	$r = -0.33^{**}$	$r = -0.22$	$r = 0.24^*$
	PCS-Non-ME/CFS	$r = 0.28^*$	$r = 0.38^{**}$	$r = 0.34^{**}$	$r = 0.37^{**}$	$r = -0.35^{**}$	$r = -0.17$	$r = 0.1$
COMPASS 31	PCS-ME/CFS	$r = -0.21$	$r = -0.15$	$r = -0.26^*$	$r = -0.22$	$r = 0.3^*$	$r = 0.3^*$	$r = -0.03$
	PCS-Non-ME/CFS	$r = -0.02$	$r = 0.05$	$r = -0.03$	$r = -0.04$	$r = 0.32^{**}$	$r = 0.22^*$	$r = -0.13$
Orthostatic	PCS-ME/CFS	$r = -0.27^*$	$r = -0.2$	$r = -0.34^{**}$	$r = -0.29^*$	$r = 0.33^{**}$	$r = 0.34^{**}$	$r = -0.11$
	PCS-Non-ME/CFS	$r = -0.01$	$r = 0.03$	$r = -0.06$	$r = -0.07$	$r = 0.27^*$	$r = 0.27^*$	$r = -0.14$
Vasomotor	PCS-ME/CFS	$r = 0.03$	$r = 0.02$	$r = -0.06$	$r = -0.03$	$r = 0.15$	$r = 0.15$	$r = 0.04$
	PCS-Non-ME/CFS	$r = 0.03$	$r = 0.03$	$r = 0.04$	$r = 0.01$	$r = -0.01$	$r = 0.01$	$r = -0.13$
Secretomotor	PCS-ME/CFS	$r = 0.29^*$	$r = 0.28^*$	$r = 0.21$	$r = 0.25^*$	$r = -0.12$	$r = -0.13$	$r = 0.13$
	PCS-Non-ME/CFS	$r = -0.15$	$r = -0.1$	$r = -0.14$	$r = -0.1$	$r = 0.04$	$r = 0.05$	$r = 0.11$
Gastrointestinal	PCS-ME/CFS	$r = 0.19$	$r = 0.16$	$r = 0.16$	$r = 0.19$	$r = -0.12$	$r = -0.1$	$r = 0.06$
	PCS-Non-ME/CFS	$r = 0.15$	$r = 0.15$	$r = 0.14$	$r = 0.16$	$r = 0.03$	$r = -0.03$	$r = 0.22$
Bladder	PCS-ME/CFS	$r = -0.15$	$r = -0.09$	$r = -0.1$	$r = -0.1$	$r = -0.08$	$r = 0.13$	$r = -0.04$
	PCS-Non-ME/CFS	$r = -0.04$	$r = 0.01$	$r = -0.04$	$r = -0.02$	$r = 0.1$	$r = 0.17$	$r = 0.16$
Pupillomotor	PCS-ME/CFS	$r = 0.26^*$	$r = 0.35^{**}$	$r = 0.27^*$	$r = 0.32^{**}$	$r = -0.28^*$	$r = 0.9$	$r = 0.16$
	PCS-Non-ME/CFS	$r = 0.04$	$r = 0.01$	$r = 0.08$	$r = 0.04$	$r = -0.08$	$r = -0.02$	$r = -0.08$
Symptom Severity								
Muscle pain	PCS-ME/CFS	$r = -0.2$	$r = -0.22$	$r = -0.26^*$	$r = -0.27^*$	$r = 0.24^*$	$r = 0.3^{**}$	$r = -0.05$
	PCS-Non-ME/CFS	$r = -0.1$	$r = -0.16$	$r = -0.17$	$r = -0.19$	$r = 0.21$	$r = 0.23$	$r = -0.02$
Headache	PCS-ME/CFS	$r = -0.06$	$r = -0.12$	$r = -0.06$	$r = -0.1$	$r = 0.05$	$r = 0.09$	$r = -0.02$
	PCS-Non-ME/CFS	$r = -0.04$	$r = -0.1$	$r = -0.11$	$r = -0.06$	$r = 0.32^{**}$	$r = -0.07$	$r = 0.1$
Joint pain	PCS-ME/CFS	$r = -0.33^{**}$	$r = -0.34^{**}$	$r = -0.43^{***}$	$r = -0.41^{***}$	$r = 0.43^{***}$	$r = 0.36^{**}$	$r = -0.09$
	PCS-Non-ME/CFS	$r = -0.009$	$r = -0.17$	$r = -0.13$	$r = -0.19$	$r = 0.32^*$	$r = 0.24$	$r = -0.07$
Fatigue Score	PCS-ME/CFS	$r = -0.35^{**}$	$r = -0.42^{**}$	$r = -0.46^{**}$	$r = -0.46^{**}$	$r = 0.39^{**}$	$r = 0.28^*$	$r = -0.07$
	PCS-Non-ME/CFS	$r = -0.044$	$r = -0.06$	$r = -0.11$	$r = -0.11$	$r = 0.32^*$	$r = 0.27^*$	$r = -0.02$
Cognitive Score	PCS-ME/CFS	$r = -0.22$	$r = -0.26^*$	$r = -0.27^*$	$r = -0.3^{**}$	$r = 0.24^*$	$r = 0.28^*$	$r = -0.17$
	PCS-Non-ME/CFS	$r = -0.2$	$r = -0.15$	$r = -0.16$	$r = -0.12$	$r = 0.09$	$r = 0.05$	$r = 0.03$
Immune Score	PCS-ME/CFS	$r = -0.16$	$r = -0.26^*$	$r = -0.24^*$	$r = -0.31^{**}$	$r = 0.24^*$	$r = 0.34^{**}$	$r = -0.17$
	PCS-Non-ME/CFS	$r = -0.008$	$r = -0.04$	$r = -0.03$	$r = -0.09$	$r = 0.3^*$	$r = 0.25$	$r = -0.14$

Asterisks mark significant correlations (Spearman Correlation, \*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$ ). CFQ: Chalder Fatigue Scale; COMPASS 31; Composite Autonomic Symptom Score; Fatigue Ratio 1/2, Ratio of Fmax/Fmean of the first/second session; Fmax 1/2, maximum hand grip strength of the first/second session; Fmean 1/2, mean hand grip strength of the first/second session; ME/CFS, Myalgic Encephalomyelitis/Chronic Fatigue Syndrome; PCS, Post-COVID Syndrome; PEM-DSQ; De Paul Symptom Questionnaire for Post Exertional Malaise; Recovery Ratio, Ratio of Fmean2/Fmean1, SF-36, Short-Form 36 Health Survey.