Table S1. Interaction with Cohens perceived stress scale. Associations between physical and cardiorespiratory fitness and MCS *All* and MCS ÷ *other FSD* compared with controls.

	B-coefficient (95% CI)*	p-value of interaction
Waist, cm		
MCS All	0.11 (-0.15, 0.38)	0.40
MCS ÷ other FSD	-0.18 (-0.57, 0.20)	0.34
Fat percentage		
MCS All	0.05 (-0.11, 0.20)	0.56
MCS ÷ other FSD	-0.10 (-0.33, 0.12)	0.37
BMI, kg/m^2		
MCS All	0.04 (-0.05, 0.15)	0.39
MCS ÷ other FSD	-0.07 (-0.22, 0.07)	0.33
FCV		
MCS *All*	-0.0001 (-0.01, 0.01)	0.99
MCS ÷ other FSD	0.01 (-0.007, 0.03)	0.24
FEV1		
MCS *All*	0.001 (-0.01. 0.01)	0.86
MCS ÷ other FSD	0.006 (-0.01, 0.02)	0.50
FEV1/FVC		
MCS All	0.007 (-0.002, 0.003)	0.57
MCS ÷ other FSD	-0.002 (-0.003, 0.003)	0.89
Systolic BP, mmhg		
MCS All	0.04 (-0.34, 0.43)	0.83
MCS ÷ other FSD	0.18 (-0.36, 0.73)	0.51
Diastolic BP, mmhg		
MCS All	0.06 (-0.17, 0.29)	0.61
MCS ÷ other FSD	0.01 (-0.32, 0.34)	0.94
Hand grip, pounds		
MCS *All*	-0.05 (-0.39, 0.29)	0.77
MCS ÷ other FSD	0.10 (-0.38, 0.59)	0.68
Steptest, Mets		
MCS All	-0.01 (-0.08, 0.04)	0.63
MCS ÷ other FSD	0.04 (-0.04, 0.12)	0.40

MCS Multiple Chemical Sensitivity, FSD Functional Somatic Disorder, FVC Forced Vital Capacity, FEV1 Forced Expiratory Volume first second
*Adjusted for age, age^2, sex, alcohol, smoking, sleep disturbances, Cohens perceived stress scale, MCS*Cohens perceived stress scale. FVC and FEV1 also adjusted for height.