

On-line Table: Associations, β (SD), between global gray matter network properties and global cognitive functioning in 6 domains in total group of patients with MS^a

Neurocognitive Domain	Size	Degree	Density (%)	Clustering	Betweenness	Path Length	γ	λ	Small World
Processing	-23.76 (58.76)	9.47 (15.09)	0.19 (0.14)	0.005 (0.003)	-21.96 (49.13)	-0.0001 (0.002)	0.001 (0.0006)	0.001 (0.0003) ^b	-0.0001 (0.0005)
Learning	37.45 (45.56)	19.57 (11.58)	0.21 (0.11)	0.005 (0.002)	28.64 (38.27)	-0.0007 (0.001)	0.0006 (0.0005)	0.0009 (0.0002) ^b	-0.0004 (0.0004)
Executive	110.80 (50.52) ^c	47.97 (12.23) ^b	0.44 (0.12) ^b	0.009 (0.003) ^b	69.71 (43.01)	-0.004 (0.001) ^d	0.0005 (0.0005)	0.0006 (0.0003) ^c	-0.0002 (0.0004)
Visual	-0.34 (60.58)	34.49 (15.10) ^c	0.51 (0.14) ^b	0.010 (0.003) ^b	-36.08 (50.67)	-0.005 (0.001) ^b	0.001 (0.0006)	0.0005 (0.0003)	0.0005 (0.0005)
Language	-73.40 (53.17)	-8.45 (13.86)	0.047 (0.14)	0.001 (0.003)	-63.92 (44.58)	0.0001 (0.001)	0.0004 (0.0005)	0.0004 (0.0003)	-0.0001 (0.0004)
Average	35.98 (77.88)	45.58 (19.40) ^c	0.59 (0.18) ^d	0.013 (0.004) ^d	3.76 (65.45)	-0.004 (0.002) ^c	0.002 (0.0008)	0.002 (0.0004) ^b	-0.0002 (0.0006)

^a All analyses are adjusted for sex, education, global gray matter volume, and T1 and T2 lesion loads (log). Data in parentheses are SDs.

^b Adjusted $P < .001$.

^c Adjusted $P < .05$.

^d Adjusted $P < .01$.