

Additional tables online

Additional table I: Coordinate of the regions of interest in three resting state networks: the default mode network, the right and left fronto-parietal attention networks and the dorsal attentional network.

Label AAL	Talairach coordinate (x,y,z)		
Default mode network			
Temporal_Mid	61	-8	-17
Precuneus	-1	-54	30
Frontal_Mid_Orb	0	50	-8
Frontal_Sup_Medial	2	54	23
Frontal_Mid	25	32	48
Frontal_Sup	-21	31	45
ParaHippocampal	-22	-19	-16
ParaHippocampal	23	-18	-16
Precuneus	0	-57	59
Cingulum_Mid	0	-22	37
Temporal_Mid	-61	-15	-13
Angular	-44	-67	34
Temporal_Mid	50	-61	33
Precentral	36	-20	64
Right fronto-parietal network			
Angular	47	-55	44
Temporal_Mid	62	-30	-11
Tempotal_Mid	53	-53	21

Frontal_Mid_Orb	36	54	-2
Frontal_Mid	45	22	38
Frontal_Sup_Medial	5	31	39
Frontal_Mid	28	10	61
Insula	39	19	-9

Left fronto-parietal network

Frontal_Inf_Tri	-44	43	6
Frontal_Inf_Oper	-46	13	28
Frontal_Mid	-29	10	58
Frontal_Inf_Orb	-20	27	-16
Frontal_Sup	-18	61	9
Temporal_Inf	-57	-50	-7
Angular	-36	-55	47
Occipital_Mid	-29	-71	38
Temporal_Mid	-44	-66	26
Frontal_Sup_Medial	-2	25	44

Dorsal attentional network

Cerebellum_6	22	-69	-16
Temporal_Inf	-48	-64	-2
Temporal_Inf	52	-58	-4
Precentral	-50	7	26
Parietal_Inf	43	-35	49
SupraMarginal	61	-21	36
Occipital_Mid	30	-64	34
Frontal_Inf_Tri	48	40	9

Fronal_Inf_Tri	-43	36	16
SupraMarginal	-41	-37	48
Parietal_Sup	-21	-59	59
Occipital_Mid	-26	-68	29
Cingulum_Mid	1	4	31
Precentral	-27	-5	57
Precentral	31	-4	58
Cerebelum_Crus1	-25	-71	-16

For Peer Review

Additional table II: Coordinates of the regions of interest within the default-mode network used for regional functional analysis and regional DTI analysis.

Label AAL	Talairach coordinate (x,y,z)		
Medial Prefrontal Cortex (MPFC)	2	54	23
Posterior Cingulate Cortex/Precuneus (PCC)	-1	-54	30
Left Parahippocampal Gyrus	-22	-19	-16
Right Parahippocampal Gyrus	23	-18	-16

For Peer Review

Additional table III: VBM analysis: Anatomical regions showing more grey matter atrophy in CI MS patients compared to CP MS patients

Anatomical region	Hemi- sphere	BA	Talairach coordinate (x,y,z)			Cluster size (mm ³)	T-score
<u>Cortical structures</u>							
Middle Frontal Gyrus	L	8	-44	17	46	236	5.61
Inferior Frontal Gyrus	L	44	-54	6	12	861	4.82
	L	11	-34	34	-14	216	4.75
Superior Frontal Gyrus	L	9	-15	51	32	283	4.24
Supramarginal Gyrus	R	40	37	-45	38	334	4.20
Posterior cingulate gyrus / Cuneus	L	31	-3	-68	20	3169	5.52
Parahippocampal Gyrus	R	27	21	-31	-2	321	5.24
Inferior Temporal Gyrus	L	20	-63	-26	-14	266	4.36
Middle Temporal Gyrus	L	21	-64	-37	-8	304	4.30
<u>Subcortical structures</u>							
Caudate nucleus	L	-	-9	13	5	1225	4.52
	R	-	9	15	5	1444	4.47
Thalamus	R	-	18	-23	12	2595	4.99

BA: Brodmann Area

Values are significant at $p < 0.001$, corrected for cluster extension.