

Supplementary Material

Sex Differences in Brain Structure in de novo Parkinson's Disease: A Cross-Sectional and Longitudinal Neuroimaging Study

Supplementary Table 1. W-scores of GMV in ROIs in PD group 2 at T0.

Brain Regions	W-scores of GMV		<i>p</i>
	Female	Male	
Rt.Cerebellum_Crus1/2	-1.82/0.68	-2.20/0.80	0.0157
Lt.Cerebellum_Crus1/2	-1.18/0.96	-1.74/1.36	0.0306
Lt.Precentral Gyrus	0.18/0.54	-0.29/0.59	<0.0001
Rt.Postcentral Gyrus	-1.80/0.98	-1.90/1.07	0.6473
Lt.Precuneus Gyrus	-6.14/0.78	-6.42/0.84	0.0940
Rt.Superior Frontal Gyrus	-2.97/1.59	-3.55/1.91	0.1152

Values are expressed as mean/SD; *p* values were derived from Student *t*-tests between group; Values in bold indicate *p* < 0.05; Rt., right; Lt., left.

Supplementary Table 2. W-scores of cortical thicknesses in ROIs in PD group 2 at T0.

Brain Regions	W-scores of Cortical Thickness		<i>p</i>
	Female	Male	
Lt.Postcentral	-1.55/0.74	-1.69/0.59	0.2961
Rt.Postcentral	-1.08/0.65	-1.27/0.60	0.1474
Rt.Precentral	-1.27/0.65	-1.45/0.68	0.0531
Lt.Cingulate	-1.57/0.50	-1.99/0.54	0.0002
Lt.Isthmus Cingulate	-1.85/0.57	-1.99/0.59	0.2521
Lt.Middle/Inferior Temporal Gyrus	-2.11/0.61	-2.32/0.50	0.0637
Lt.Superior Temporal Gyrus	-1.43/0.65	-1.66/0.49	0.0551
Lt.Inferior/Middle Temporal Gyrus	-1.84/0.62	-1.95/0.54	0.3403
Rt.Inferior Temporal Gyrus	-1.78/0.60	-1.88/0.56	0.4095
Rt.Superior Temporal Gyrus	-3.14/0.80	-3.13/0.65	0.9463
Rt.Temporal Pole/Entorhinal	-1.63/0.48	-1.90/0.46	0.0072
Lt.Caudal Middle Frontal Gyrus	-2.66/0.83	-2.67/0.61	0.9532
Lt.Lateral Occipital Gyrus	-2.09/0.63	-2.27/0.54	0.1389
Rt.Lateral Occipital Gyrus	-2.06/0.57	-2.17/0.48	0.2879
Rt.Inferior/Superior Parietal Gyrus	-1.24/0.62	-1.43/0.62	0.1551
Lt.Insula	-0.20/0.46	-0.51/0.59	0.0083
Rt.Insula	-1.46/0.57	-1.90/0.65	0.0012

Values are expressed as mean/SD; *p* values were derived from Student *t*-tests between group; Values in bold indicate $p < 0.05$; Rt., right; Lt., left.