

Table S1. Differences in demographic and neurological features among PD patients without anxiety disorders, with previous or with current anxiety disorders.

	Without Anxiety (<i>n</i> = 59)	Previous Anxiety (<i>n</i> = 15)	Current Anxiety (<i>n</i> = 26)	χ^2	<i>p</i>
Demographic Variables	M \pm SD/N (%)	M \pm SD/N (%)	M \pm SD/N (%)		
Age	66.88 \pm 11.07	64.33 \pm 13.63	69.42 \pm 6.71	1.39	0.50
Gender (females)	20 (33.9%)	9 (60%)	10 (38.5%)	3.43	0.18
PD Features					
Age of PD onset	58.61 \pm 13.18	55.93 \pm 12.6	62.54 \pm 7.96	2.67	0.26
PD duration (years)	8.27 \pm 5.62	8.4 \pm 6.61	6.88 \pm 6.72	2.17	0.34
Motor fluctuations	21 (36.2%)	5 (33.3%)	7 (26.9%)	0.70	0.71
Involuntary movements	21 (36.2%)	4 (26.7%)	8 (30.8%)	-	0.80
PD side of onset				-	0.24
Right	28 (66.7%)	5 (11.9%)	9 (21.4%)		
Left	21 (46.7%)	9 (20.5%)	14 (31.8%)		
Bilateral	1 (33.3%)	0 (0%)	2 (66.7%)		
PD type				-	0.36
Rigid-acinetic	25 (67.6%)	3 (8.1%)	9 (24.3%)		
Tremor	20 (47.6%)	9 (21.4%)	13 (31%)		
Mixed	10 (66.7%)	2 (13.3%)	3 (20%)		
Gross neuroimaging Abnormalities					
Hyperintensities/lacunes	16 (33.3%)	4 (33.3%)	14 (63.6%)	-	0.05
Enlargement of the ventricles/ hydrocephalus	2 (4.2%)	0 (0%)	3 (13.6%)	-	0.27
Atrophy	15 (31.2%)	3 (23.1%)	10 (45.5%)	-	0.38
Neurological Rating Scales					
UPDRS score (part III)	24.47 \pm 9.74	22.36 \pm 9.88	22.95 \pm 9.84	0.83	0.66
MMSE total score	28.15 \pm 3.12	28.79 \pm 1.76	28.46 \pm 1.91	0.79	0.67

Pearson's χ^2 and Kruskal-Wallis' χ^2 were respectively reported for categorical and continuous variables. Abbreviations: M = mean; MMSE =

Mini-Mental State Examination; PD = parkinson disease; SD = standard deviation; UPDRS = Unified Parkinson's Disease Rating Scale.

Table 2. Differences in demographic and neurological features among PD patients without anxiety disorders, with lifetime persistent anxiety disorders or with lifetime panic disorders.

	Without Anxiety (<i>n</i> = 59)	Persistent Anxiety (<i>n</i> = 19)	Panic Disorder (<i>n</i> = 22)	χ^2	<i>p</i>
Demographic Variables	M \pm SD/N (%)	M \pm SD/N (%)	M \pm SD/N (%)		
Age	66.88 \pm 11.07	68.05 \pm 6.2	67.14 \pm 12.48	0.06	0.97
Gender (females)	20 (33.9%)	6 (31.6%)	13 (59.1%)	4.82	0.09
PD Features					
Age of PD onset	58.61 \pm 13.18	60.68 \pm 7.51	59.64 \pm 12.34	0.23	0.89
PD duration (years)	8.27 \pm 5.62	7.37 \pm 7.82	7.5 \pm 5.61	1.91	0.39
Dopamine-agonists <i>lifetime</i>	39 (66.1%)	15 (78.9%)	10 (45.5%)	-	0.08
Motor fluctuations	21 (36.2%)	6 (31.6%)	6 (27.3%)	0.61	0.74
Involuntary movements	21 (36.2%)	5 (26.3%)	7 (31.8%)	0.66	0.72
PD side of onset				-	0.11
Right	28 (66.7%)	7 (16.7%)	7 (16.7%)		
Left	21 (46.7%)	9 (20.5%)	14 (31.8%)		
Bilateral	1 (33.3%)	2 (66.7%)	0 (0%)		
PD type				-	0.20
Rigid-acinetic	25 (67.6%)	5 (13.5%)	7 (18.9%)		
Tremor	20 (47.6%)	9 (21.4%)	13 (31%)		
Mixed	10 (66.7%)	4 (26.7%)	1 (6.7%)		
Gross neuroimaging Abnormalities					
Hyperintensities/lacunes	16 (33.3%)	9 (60%)	9 (47.4%)	3.70	0.16
Enlargement of the ventricles/ hydrocephalus	2 (4.2%)	2 (13.3%)	1 (5%)	-	0.36
Atrophy	15 (31.2%)	5 (33.3%)	8 (40%)	0.48	0.78
Neurological Rating Scales					
UPDRS score (part III)	24.47 \pm 9.74	23.24 \pm 8.85	22.26 \pm 10.66	1.10	0.58
MMSE total score	28.15 \pm 3.12	28.76 \pm 1.44	28.43 \pm 2.13	0.27	0.87

Pearson's χ^2 and Kruskal-Wallis' χ^2 were respectively reported for categorical and continuous variables.