

On-line Table: Subject characteristics

Variables	Patients with VP (n = 8)	Patients with PD (n = 22)	Controls (n = 23)	P Value ^a
Age (yr)	78 ± 2	80 ± 5	78 ± 2	.057
Male/female ratio	7:1	15:7	17:6	.059
Educational attainment (A/B/C/D/E)	1/2/0/1/4	0/6/4/3/9	0/5/1/5/12	.75
Levodopa medication (yes/no)	3/5	15/7	—	.21
Daily dose (mg)	563 ± 265	635 ± 400	—	.77
Time between last levodopa intake and clinical testing (min) ^b	150 ± 42	182 ± 122	—	.67
Freezing of gait (on/off)	8/0	19/3	—	.55
MDS-UPDRS total score	61 ± 26	66 ± 25	—	.49
Hoehn and Yahr stage	2.8 ± 1.2	3.0 ± 1.0	—	.6
Schwab and England Activities of Daily Living scale	68.8 ± 21.7	71.4 ± 16.4	—	.98
Short Motor Disability Scale	3.9 ± 3.2	3.8 ± 3.3	—	.88
MMSE	27.7 ± 2.1	26.3 ± 3.0	—	.45
Mattis Dementia Rating Scale				
Attention	34.8 ± 1.3	35.8 ± 1.1	36.2 ± 0.9 ^c	.069
Initiation	33.2 ± 3.6	34.2 ± 3.0	35.6 ± 2.5	.11
Construction	5.8 ± 0.4	5.7 ± 0.5	5.8 ± 0.5	.56
Conceptualization	37.0 ± 1.2	36.8 ± 2.3	38.0 ± 1.2	.16
Memory	24.6 ± 0.5	21.8 ± 3.5	24.2 ± 1.3	.053
Total	135.2 ± 4.1	134.3 ± 8.5	139.7 ± 3.3 ^c	.024
Stroop Task				
Color naming (z score)	−0.5 ± 1.3	0.3 ± 0.9 ^c	1.1 ± 0.8 ^c	.0013
Word reading (z score)	−1.8 ± 2.5	−0.6 ± 1.2	0.4 ± 1.1 ^c	.0014
Interference (z score)	−0.4 ± 1.3	−0.1 ± 1.2	1.2 ± 0.9 ^c	<.001
Strong interference index (z score)	0.1 ± 0.8	−0.4 ± 1.4	0.3 ± 0.7	.19
Weak interference index (z score)	−0.6 ± 1.5	−0.4 ± 1.2	−0.3 ± 0.8	.51
Interference errors (No.)	8.5 ± 8.2	3.4 ± 3.1	1.2 ± 1.2 ^c	<.001
Normalized MRI volumes				
Caudate nucleus (%)	0.79 ± 0.13	0.62 ± 0.10 ^c	0.59 ± 0.05 ^c	.0018
Putamen (%)	0.87 ± 0.12	0.85 ± 0.04	0.84 ± 0.05	.75
Pallidum (%)	0.23 ± 0.03	0.23 ± 0.01	0.23 ± 0.02	.56
WMHL (%)	1.98 ± 0.90	0.96 ± 0.87 ^c	0.55 ± 0.70 ^c	<.001
Cingulum (%)	1.01 ± 0.14	0.96 ± 0.10	0.97 ± 0.10	.65

Note:—MMSE indicates Mini-Mental State Examination; MDS-UPDRS, Movement Disorder Society Unified Parkinson's Disease Rating Scale; A, no certificate; B, end primary school certificate; C, mid secondary school certificate; D, end secondary school certificate; E, university graduation.

^a P values are given for comparison among the 3 groups with the Kruskal-Wallis or Fisher exact test.

^b Included both motor and neuropsychological assessments.

^c P values < .05 for comparison with patients with VP using the Wilcoxon signed rank test.