

On-line Table 1: Clinical details of all the patients						
Patient No.	Gender	Age	UPDRS	H&Y	MMSE	Medication
1	M	48	25	1.5	30	L-dopa, selegiline, pergolide
2	F	51	26	1	30	None
3	F	52	27	2	30	None
4	F	72	20	1.5	30	Pramipexole
5	M	73	19	1	30	L-dopa
6	M	74	22	2	30	L-dopa, cabergoline
7	M	81	27	1.5	30	L-dopa, pramipexole
8	M	66	20	1	30	Pramipexole
9	F	62	18	1	30	Pergolide, selegiline
10	F	61	19	1	30	Pramipexole
11	M	57	17	1	30	L-dopa, selegiline, pergolide
12	M	56	13	1	30	Pramipexole
13	F	65	15	1	30	Pramipexole
14	F	55	18	1	30	None
15	M	57	18	1	30	None
16	F	50	22	1	30	L-dopa, cabergoline
17	M	68	20	1	30	Pergolide, selegiline
18	F	64	24	1.5	30	L-dopa, cabergoline
19	M	59	18	1	30	None
20	F	43	20	1	30	Pramipexole
21	F	56	24	1.5	30	L-dopa
Mean \pm SD		60.43 \pm 9.65	20.17 \pm 1.57	1.21 \pm 0.34	30	

Note:—H&Y indicates Hoehn and Yahr Scale; MMSE, Mini-Mental State Examination.

On-line Table 2: Hypoactive brain regions in PD group compared with control group						
Brain Region	BA	Peak Voxel Coordinate			Cluster Size	t Score
		x	y	z		
R. Primary somatosensory cortex	1	54	-24	57	15	3.61
L. Primary somatosensory cortex	3	-48	-27	63	6	3.54
R. Supplementary motor area	6	27	-6	63	8	3.42
R. Premotor cortex	6	24	-9	51	8	3.13
R. Paracentral lobule	5	21	-45	48	5	3.19

Note:—BA indicates Brodmann area.

On-line Table 3: Hyperactive brain regions in PD group compared with control group						
Brain Region	BA	Peak Voxel Coordinate			Cluster Size	t Score
		x	y	z		
R. Dorsal lateral prefrontal cortex	46	54	33	12	5	3.35
L. Dorsal lateral prefrontal cortex	46	-48	21	24	8	3.30
L. Inferior frontal gyrus	45	-54	27	18	12	3.67
L. Middle frontal gyrus	10	-42	51	12	21	4.27
L. Dorsal lateral prefrontal cortex	9	-33	39	33	22	3.38
R. Parahippocampal gyrus	19	42	-42	0	8	3.13
L. Parahippocampal gyrus		-24	-15	-12	7	3.05
L. Posterior cerebellum		-18	-39	-33	6	3.12
L. Anterior cerebellum		-15	-45	-15	7	3.31
R. Posterior cerebellum		15	-36	-33	9	2.79
R. Anterior cerebellum		6	-36	-33	9	3.29
L. Caudate nucleus		-15	15	15	10	3.25
L. Lentiform nucleus		-15	9	6	6	3.02

Note:—BA indicates Brodmann area.