

Supplementary Table 3. Pre-surgery UPDRS scores at off- and on-medication states

	GPi DBS (n = 14)	STN DBS (n = 28)	p value
UPDRS total, mean \pm SD			
Off medication	91.1 \pm 20.1	77.8 \pm 18.3	0.031*
On medication	35.9 \pm 12.4	34.5 \pm 11.7	0.737
UPDRS part I, mean \pm SD			
Off medication	5.4 \pm 3.5	3.8 \pm 2.9	0.158
On medication	2.4 \pm 1.6	1.9 \pm 1.6	0.442
UPDRS part II, mean \pm SD			
Off medication	26.4 \pm 7.7	22.0 \pm 7.5	0.079
On medication	7.6 \pm 4.6	8.9 \pm 4.8	0.410
UPDRS part III, mean \pm SD			
Off medication	49.0 \pm 10.5	44.6 \pm 11.6	0.153
On medication	15.3 \pm 7.7	16.1 \pm 8.6	0.755
UPDRS part IV, mean \pm SD			
Off and on medication [†]	10.4 \pm 3.6	7.5 \pm 2.1	0.010*

*p value < 0.05, [†]UPDRS part IV was assessed based on the condition of patients with Parkinson's disease throughout a whole day, because each item could not be separately assessed during the off or on state. GPi: globus pallidus interna, STN: subthalamic nucleus, DBS: deep brain stimulation, UPDRS: Unified Parkinson's Disease Rating Scale, SD: standard deviation.