

Supplemental Material S1. Clinical characteristics of patients with Parkinson's disease treated with subthalamic nucleus deep brain stimulation.

Code	Clinical characteristics					Parkinson's disease scales				Stimulation parameters		Total electric energy delivered		Medication
	Sex	Age (years)	Disease duration (years)	DBS duration (years)	MMSE	UPDRS III total		UPDRS speech item		Left hemisphere	Right hemisphere	Left hemisphere (mA ² Ω.Hz.ms)	Right hemisphere (mA ² Ω.Hz.ms)	L-dopa equivalent (mg)
						ON	OFF	ON	OFF					
DBS01	M	67	19	5.8	30	24	35	2	2	130 Hz, 3.6 V, 60 ms	130 Hz, 3.7 V, 60 ms	94.99	100.34	900
DBS02	F	57	19	2.5	29	27	65	1	2	130 Hz, 1.7 V, 60 ms	130 Hz, 1.7 V, 90 ms	70.64	51.12	466
DBS04	M	56	22	7.6	26	21	30	1	1	130 Hz, 3.8 V, 90 ms	130 Hz, 3.7 V, 90 ms	217.33	226.78	610
DBS06	M	72	14	4.0	28	19	15	3	1	130 Hz, 3.0 V, 60 ms	130 Hz, 3.3 V, 90 ms	194.52	88.52	1650
DBS07	F	67	25	14.5	30	30	55	1	1	130 Hz, 2.4 V, 90 ms	130 Hz, 3.8 V, 90 ms	168.27	89.14	1198
DBS08	F	64	16	5.3	23	36	29	1	0	130 Hz, 1.0 V, 60 ms	130 Hz, 1.0 V, 60 ms	30.95	30.95	1625
DBS09	M	63	20	3.5	26	24	36	1	2	130 Hz, 2.7 mA, 91 ms	130 Hz, 2.6 mA, 65 ms	58.59	96.49	650
DBS10	M	56	12	0.7	29	13	37	1	0	130 Hz, 2.4 V, 60 ms	130 Hz, 2.9 V, 60 ms	60.74	55.06	399
DBS12	M	62	11	1.1	26	14	12	1	0	130 Hz, 2.5 V, 90 ms	130 Hz, 1.4 V, 60 ms	7.46	51.79	931
DBS13	M	65	15	6.4	29	50	60	2	3	130 Hz, 3.0 V, 90 ms	130 Hz, 2.0 V, 90 ms	59.09	177.27	1800
DBS14	M	68	23	4.5	29	21	57	2	3	130 Hz, 3.0 V, 60 ms	130 Hz, 3.2 V, 90 ms	96.62	88.52	640
DBS15	M	64	23	12.4	27	15	34	1	1	130 Hz, 3.0V, 120 ms	130 Hz, 2.2 V, 90 ms	82.67	169.66	500
DBS16	M	58	17	5.5	28	26	65	1	3	130 Hz, 2.9 V, 60 ms	130 Hz, 3.3 V, 60 ms	97.19	85.64	1025
DBS19	M	62	16	2.0	30	29	54	1	1	130 Hz, 1.9 mA, 91 ms	130 Hz, 1.2 mA, 91 ms	10.65	26.69	1896
DBS22	M	58	13	3.4	29	8	44	0	1	130 Hz, 2.1 V, 90 ms	130 Hz, 2.4 V, 90 ms	70.64	62.02	900
DBS23	M	63	18	8.6	25	30	48	2	3	130 Hz, 4.1 V, 120 ms	130 Hz, 1.6 V, 120 ms	48.23	361.21	1225
DBS24	M	53	11	2.1	29	37	41	2	2	130 Hz, 3.0 mA, 104 ms	130 Hz, 2.2 mA, 104 ms	40.90	121.68	1090
DBS26	M	66	24	9.6	27	58	79	2	3	130 Hz, 1.1 V, 120 ms	130 Hz, 3.0 V, 90 ms	112.50	21.70	1671
DBS27	M	66	23	9.6	29	26	34	2	2	130 Hz, 3.0 V, 90 ms	130 Hz, 3.5 V, 90 ms	208.17	177.27	1238
DBS28	M	58	16	4.9	30	30	60	1	3	130 Hz, 3.4 V, 90 ms	130 Hz, 3.3 V, 90 ms	269.94	121.30	3171
DBS30	M	58	24	3.6	29	25	60	2	2	130 Hz, 3.0 V, 60 ms	130 Hz, 3.2 V, 60 ms	94.30	88.52	865
DBS33	F	63	12	1.8	29	55	68	2	4	130 Hz, 2.7 V, 90 ms	130 Hz, 2.5 V, 90 ms	56.69	60.49	399
DBS36	M	54	16	1.4	29	20	25	1	0	130 Hz, 1.5 mA, 91 ms	130 Hz, 1.5 mA, 91 ms	13.31	13.31	750

Captions: MMSE = Mini mental scale evaluation, UPDRS = Unified Parkinson's disease rating scale, DBS = deep brain stimulation.