

**Supplementary Table 3.** Clinical milestones (severely disabling) in Parkinson's disease patients with deep brain stimulation of the subthalamic nucleus from baseline up to 13-years post-operative follow-up

Clinical milestone	Before surgery	6 Months	1 Year	2 Years	3 Years	5 Years	7 Years	10 Years	13 Years*	Total
Hallucination	1	0	0	0	1	0	1	0	0	3
Dysarthria	2	1	0	0	2	4	2	2	0	13
Dysphagia	0	0	0	0	0	0	0	0	0	0
Frequent falling	9	3	4	2	3	9	4	5	1	40
Difficulty in walking	0	0	0	0	1	2	0	1	1	5
Cognitive impairment	0	1	0	1	0	0	0	0	0	0
Loss of autonomy	0	0	1	0	2	4	3	1	1	12

\*17 patients reached 13-years post-operative follow-up during the study period and were included in the data set.