

Supplementary Table 1. Baseline scores among three motor subtypes of PD

	Tremor-dominant (n=6)	PIGD (n=31)	Indeterminate (n=2)
Age (yr)	61.5 (45–71)	62 (45–73)	47.5 (45–50)
Disease duration (yr)	10.0 (6–20)	10.0 (1–20)	10.5 (10–11)
Pre-OP-postural stability (item-30)	1.0 (0–1)	1.0 (0–4)	0.5 (0–1)
Pre-OP-UPDRS I OFF	4 (0–8)	2 (0–8)	0 (0–0)
Pre-OP-UPDRS II OFF	21.5 (18–26)	20.0 (10–35)	16.5 (13–20)
Pre-OP-UPDRS III OFF-total	49 (22–55)	37 (15–79)	33 (24–42)
Pre-OP-UPDRS III tremor OFF-total	11 (4–18)	2 (0–6)	6 (5–7)
Pre-OP-bradykinesia OFF-total	18 (11–23)	17 (5–36)	18 (11–25)
Pre-OP-rigidity OFF-total	6.0 (3–10)	6.0 (0–12)	3.5 (1–6)
Pre-OP-axial OFF	3.5 (1–8)	6.0 (2–15)	2.0 (2–2)
Pre-OP-UPDRS III OFF-T+R+B	37.5 (19–49)	26.0 (9–53)	27.5 (19–36)
Pre-OP-UPDRS IV part A+B	5 (2–8)	6 (2–11)	5 (3–7)
Pre-OP-UPDRS V OFF	2.8 (2–4)	3.0 (2–5)	2.5 (2–3)
Pre-OP-UPDRS VI	65 (30–80)	50 (10–90)	60 (60–60)
Pre-OP-LEDD	700 (500–900)	750 (275–1,550)	975 (950–1,000)
Pre-OP-NMSS-total	45 (27–90)	48 (6–244)	52 (20–84)
Pre-OP-PDFS-16	52 (16–79)	46 (20–78)	48 (28–68)
Pre-OP-PDSS	106.5 (64–138)	109.0 (62–148)	106.5 (101–112)
Pre-OP-KPPS	9.5 (0–40)	6.0 (0–51)	18.5 (0–37)
Pre-OP-PDQ-39	63.5 (55–97)	63.0 (24–108)	54.5 (20–89)
Pre-OP-MoCA	25.0 (23–30)	26.0 (19–30)	26.5 (26–27)
Pre-OP-BDI	12.0 (3–16)	11.0 (1–31)	6.5 (6–7)
Pre-OP-FAB	18 (16–18)	17 (13–18)	18 (18–18)

Values are presented as median (minimum–maximum).

PD, Parkinson's disease; PIGD, postural instability and gait difficulty; Pre-OP, Pre-operative; UPDRS, Unified Parkinson's Disease Rating Scale; T+R+B, tremor, rigidity, and bradykinesia; LEDD, levodopa equivalent daily dosage; NMSS, Non-Motor Symptom Scale; PDFS-16, Parkinson's Disease Fatigue Scale; PDSS, Parkinson's Disease Sleep Scale; KPSS, King's Parkinson's Disease Pain Scale; PDQ-39, Parkinson's Disease Quality of Life Questionnaire; MoCA, Montreal Cognitive Assessment; BDI, Beck Depression Inventory; FAB, Frontal Assessment Battery.