

The connection of motor improvement after deep brain stimulation in Parkinson's disease and microstructural integrity of the substantia nigra and subthalamic nucleus

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Supplementary Material

Supplementary Table 1: Stimulation Parameters

	mean ± SD (range)
Stimulation amplitude L (mA)	2.50 ± 0.70 (1.2-3.8)
Stimulation amplitude R (mA)	2.62 ± 0.56 (1.6-3.8)
Stimulation pulse width L (µs)	59.57 ± 2.09 (50-60)
Stimulation pulse width R (µs)	60.00 ± 0 (60-60)
Stimulation frequency L (Hz)	126.96 ± 14.60 (60-130)
Stimulation frequency R (Hz)	126.96 ± 14.60 (60-130)

Abbreviations: SD, standard deviation

Supplementary Table 2: Euclidean distances from centers of VAT to established DBS sweet spots

	mean \pm SD (range)
Mean Distance (L/R) to Sweet Spot Dembek (mm)	1.88 \pm 0.53 (0.99-2.99)
Mean Distance (L/R) to Sweet Spot Horn/Caire (mm)	1.89 \pm 0.61 (0.77-3.22)
Mean Distance (L/R) to Sweet Spot Bot (mm)	1.79 \pm 0.62 (0.88-3.09)
Mean Distance (L/R) to Sweet Spot Akram (mm)	3.05 \pm 0.89 (1.07-4.97)
Distance to Sweet Spot Dembek contralateral to clinically more affected side (mm)	2.08 \pm 0.82 (0.68-3.60)
Distance to Sweet Spot Horn/Caire contralateral to clinically more affected side (mm)	2.10 \pm 0.87 (0.57-3.73)
Distance to Sweet Spot Bot contralateral to clinically more affected side (mm)	2.01 \pm 0.89 (0.65-4.10)
Distance to Sweet Spot Akram contralateral to clinically more affected side (mm)	3.24 \pm 1.21 (1.26-5.59)

Abbreviations: SD, standard deviation