**Supplementary table 1.** Summary of the IPG programming process.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Left STN** | **Anode** | **Cathode** | **Amplitude** | **Width** | **Frequency** | | **TEED (1s)** | **Notes** |
| **Stimulation** | **+** | **-** | **V** | **us** | **Hz** | | **µW** |
| MS | IPG | 1 | 3.2 | 60 | 130 | | 119,8 | Lack of tremor control |
| MS | IPG | 1 | 3.2 | 60 | 180 | | 165,9 | Incomplete tremor control |
| MS | IPG | 1 | 3.4 | 60 | 180 | | 233,9 | Right facial pulling |
| MS | IPG | 1 | 3.2 | 60 | 220 | | 202,7 | Tremor suppression |
| BS | 2 | 1 | 3.2 | 60 | 220 | | 202,7 | Incomplete tremor control |
| **ILS** | **2** | **1** | **3.0** | **60** | **125** | **250** | **202,5** | **Symptom control** |
| **0** | **1** | **3.0** | **60** | **125** | **Symptom control** |
| **Right STN** | **Anode** | **Cathode** | **Amplitude** | **Width** | **Frequency** | | **TEED (1s)** | **Notes** |
| **Stimulation** | **+** | **-** | **V** | **us** | **Hz** | | **µW** |
| MS | IPG | 9 | 2.5 | 60 | 130 | | 73,1 | Symptoms control |
| MS | IPG | 9 | 2.5 | 60 | 180 | | 101,2 | Symptoms control |
| MS | IPG | 9 | 2.5 | 60 | 220 | | 123,7 | Left facial pulling |
| **MS** | **IPG** | **9** | **2.5** | **60** | **125** | | **70,3** | **Symptom control** |

STN, subthalamic nucleus; TEED, total electrical energy delivered; MS, monopolar stimulation; BS, bipolar stimulation; ILS, interleaving stimulation; IPG, implanted pulse generator. The final program is bold typed.