

| | | | | PRE – OPERATIVE UPDRS-III | | Stimulation Parameters (Voltage & Contact) | | | |
|-------------|------------|---------------------|------|------------------------------|----------------|---|------------|--|--------------|
| Patient | Age | Disease duration | Site | OFF Levodopa | ON Levodopa | L | R | DBS indication | LED |
| 1 | 53 | 8 | UCL | 41 | 11 | 2.2V, 2 | 2.2V,1 | Right tremor | 560 |
| 2 | 57 | 4 | UCL | 47 | 4 | 2.8V,2 | 2.7V,2 | Motor fluctuations/ dystonia | 2040 |
| 3 | 40 | 4 | UCL | 50 | 21 | 3.5V,1 | 3.6V,1 | Motor fluctuations | 1220 |
| 4 | 57 | 8 | UCL | 42 | 29 | 2.8V,1 | 2.7V,1 | Motor fluctuations / dyskinesias | 1500 |
| 5 | 50 | 4 | UCL | 37 | 17 | 2.6V,2 | 2.8V,2 | Motor fluctuations | 750 |
| 6 | 67 | 6 | OX | 46 | 21 | 3.3V,1 | 3.3V,1 | Tremor | 1115 |
| 7 | 62 | 14 | OX | 58 | 18 | 2.1V,0 | 2.1V,0 | Motor fluctuations | 960 |
| 8 | 53 | 8 | UCL | - * | - * | 1.9V,0 | 1.9V,0 | Motor fluctuations / dyskinesia | 1300 |
| Mean | 54 | 7 | | 45.8 | 17.3 | 2.7 | 2.7 | | 1180 |
| SEM | 2.9 | 1.2 | | 2.6 | 3.0 | 0.2 | 0.2 | | 162.6 |

Table 1. Patient pre-operative clinical characteristics including pre-op levodopa testing using original UPDRS-III score system (total 108). Note patients shown in bold also completed additional motor UPDRS-III assessments during our study. LED = Levodopa equivalent dose. * Patient had Levodopa challenge with > 50% response however this was 4 years prior to study date and not repeated pre-operatively at patient's request.