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| eTable 4 Percentage of levodopa equivalent daily dose decrease and neuropsychiatric evaluation between general anesthesia and local anesthesia  |
|   | General anesthesia (n = 10) | Local anesthesia (n = 9) |   |
|  | Pre-operative | Post-operative | Percentage of Change (%)# | Pre-operative | Post-operative | Percentage of Change (%)# | P-value¶ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
| Levodopa equivalent daily dose (mg) | 934  | ± | 454  | 747  | ± | 380  | 20.7  | ± | 11.2  | 635  | ± | 394 | 557  | ± | 108  | 22.0  | ± | 17.5  | 0.413  |
| Mini-Mental Status Examination | 28  | ± | 2  | 25  | ± | 5  | 11.0  | ± | 18.8  | 28  | ± | 3  | 27  | ± | 2  | 2.6  | ± | 9.2  | 0.630  |
| Cognitive Abilities Screening Instrument | 92  | ± | 4  | 80  | ± | 18  | 13.2  | ± | 19.7  | 93  | ± | 5  | 87  | ± | 11  | 6.9  | ± | 7.5  | 0.751  |
| Beck Depression Inventory | 13  | ± | 8  | 8 | ± | 6  | 41.8  | ± | 26.0  | 11  | ± | 6  | 7  | ± | 2  | 56.3  | ± | 79.6  | 0.586  |
| Data was presented as mean ± SD; |
| #Percentage of Change: Pre-operative scores – Post-operative scores / Pre-operative scores X 100%¶P-value: statistics for percentage of change (%) between general anesthesia and local anesthesia groups |