

## **Description of Additional Supplementary Files**

### **File Name: Supplementary Movie 1**

**Description:** An example run of the Cleartune algorithm with four contrasting symptom profiles. Each panel shows how the algorithm would handle the symptom profile of a patient with maximal weighing of bradykinesia, rigidity, axial symptoms, tremor (clockwise). For instance, panel D shows a symptom profile of a typical tremor-dominant patient with high weighting of tremor and lower weighting of bradykinetic-rigid symptoms, which would favour settings that maximally target the tremor connections from primary motor cortex and cerebellum.