**Supplemental video legends**

**Supplemental video 1.**

A 50-year-old man shows freezing of gait at 4 years after the symptom onset (Video segment 1. 00:00). He took selegiline 5 mg and amantadine 100 mg 2 times per day. His gait disturbance has gradually worsened during 3 years of follow-up (Video segment 2. 00:38). At that time, we took ropinirole 1 mg and amantadine 100 mg 3 times per day, which was not effective for his symptoms.

**Supplemental video 2.**

A 77-year-old woman shows mild bradykinesia, freezing of gait, and postural instability. She did not take any medications at that time.