

Supplementary Table 1. Frequency of sub-types for the different Parkinson syndromes. Subtypes for PSP: PSP-RS, PSP-Richardson's syndrome; PSP-P: PSP-Parkinson type; PSP (others): other or not further specified PSP forms. Subtypes for MSA: MSA-C, MSA-cerebellar; MSA-P, MSA-Parkinson type

Subtype	PSP	Subtype	MSA	Subtype	PD
PSP-RS	67 (35%)	MSA-C	23 (21%)	akinetic-rigid	1121 (62%)
PSP-P	82 (43%)	MSA-P	87 (79%)	mixed	625 (34.5%)
PSP (others)	42 (22%)			tremor-dominant	64 (3.5%)

Supplementary Table 2. Multiple quasi-Poisson regression models including the FAB test scores instead of MoCA; ***: $p < 0.001$; **: $p < 0.01$; *: $p < 0.05$

Parameter	PSP	MSA	PD
N	146	110	1247
FAB	not significant	not significant	-0.114***
BBS	---	---	***
UPDRS-III	***	---	*
OH	*	---	**
gender	---	---	---
sub-type	---	---	---
age at diagnosis	---	---	---
disease duration	---	*	---
intercept	***	***	***