

Supplementary Material

Symmetric and Profound Monoaminergic Degeneration in Parkinson's Disease with Premotor REM Sleep Behavior Disorder

Supplementary Table 1. Demographics and ^{18}F -FP-CIT PET findings in patients with de novo PD, with or without preceding history of probable RBD and further stratified based on the duration of preceding probable RBD.

	$\text{PD}^{\text{RBD}-}$	$\text{PD}^{\text{RBD+}<10\text{Y}}$	$\text{PD}^{\text{RBD+}\geq 10\text{Y}}$	<i>p</i>
Sex	24/28	29/26	27/16	0.271
Age at PD onset, y	66.50 (5.338)	67.00 (5.699)	67.19 (5.770)	0.822
Age at PET imaging, y	67.67 (5.272)	68.02 (5.701)	68.30 (5.743)	0.859
^{18}F-FP-CIT SUR				
Pons	2.165 (0.470)	1.856 (0.570)	1.822 (0.576)	0.003^{a,b}
Caudate, mean	3.537 (0.662)	3.324 (0.516)	3.299 (0.567)	0.084
Putamen, mean	3.539 (0.567)	3.256 (0.541)	3.299 (0.490)	0.017^a
Striatum	3.536 (0.599)	3.288 (0.513)	3.297 (0.513)	0.035
Ventral striatum, mean	1.699 (0.303)	1.580 (0.288)	1.596 (0.237)	0.067
^{18}F-FP-CIT SUR AI's				
AI, caudate	7.221 (4.788)	4.786 (3.889)	5.949 (5.540)	0.031^a
AI, putamen	16.042 (8.523)	9.649 (9.227)	11.185 (9.297)	0.001^{a,b}
AI, ventral striatum	26.196 (9.591)	23.978 (7.831)	26.103 (8.805)	0.343
^{18}F-FP-CIT SUR striatum-to-pons ratios				
Caudate/Pons	1.723 (0.560)	1.990 (0.759)	2.011 (0.725)	0.074
Putamen/Pons	1.730 (0.563)	1.932 (0.691)	2.008 (0.725)	0.101
Striatum/Pons	1.726 (0.556)	1.960 (0.719)	2.008 (0.743)	0.086
Ventral striatum/Pons	0.832 (0.286)	0.947 (0.374)	0.973 (0.370)	0.098

p-values that remained < 0.05 after correction for multiple comparisons are highlighted in bold.

^a Significant differences between $\text{PD}^{\text{RBD}-}$ and $\text{PD}^{\text{RBD+}<10\text{Y}}$

^b Significant differences between $\text{PD}^{\text{RBD}-}$ and $\text{PD}^{\text{RBD+}\geq 10\text{Y}}$