

Supplementary Table 2: Results from four Cox proportional hazards regression models examining hazard ratios (HRs) for time to: (1) death, (2) dementia, (3) postural instability, and (4) dyskinesia.

Outcome Predictor	Death		Dementia		Postural Instability		Dyskinesia	
	HR (95% CI)	p-value	HR (95% CI)	p-value	HR (95% CI)	p-value	HR (95% CI)	p-value
MAB vs LAB	1.09 (0.70–1.70)*	0.704	1.21 (0.59 – 2.47)	0.602	1.16 (0.67–2.03)	0.595	0.92 (0.43 – 1.99)	0.840
HAB vs LAB	0.88 (0.57–1.37)*	0.601	1.31 (0.64 – 2.69)	0.454	1.10 (0.63–1.93)	0.742	0.88 (0.41 – 1.88)	0.742
Male vs Female	0.56 (0.41–0.75)*	<0.001***	0.76 (0.51 – 1.11)	0.155	0.82 (0.61–1.12)	0.210	1.34 (0.91 – 1.97)	0.133
Age at diagnosis	1.11 (1.09–1.13)*	<0.001***	1.07 (1.05 – 1.10)	<0.001***	1.06 (1.04–1.09)	<0.001***	0.98 (0.96 – 1.00)	0.115
Comorbidity score	0.94 (0.86–1.04)*	0.210	0.97 (0.85 – 1.11)	0.689	1.00 (0.90–1.11)	0.980	0.95 (0.82 – 1.09)	0.444
LEDD	1.00 (0.99–1.00)*	0.910	1.00 (0.999 – 1.001)	0.939	1.00 (1.00–1.00)	0.176	1.00 (1.00 – 1.00)	0.280
MDS-UPDRS Part III	1.02 (1.01–1.03)*	<0.001***	1.03 (1.01 – 1.05)	<0.001***	1.01 (1.00–1.02)	0.086	1.02 (1.00 – 1.04)	0.031*
MMSE	0.91 (0.82–1.01)*	0.098	0.86 (0.73 – 1.00)	0.053	0.91 (0.80–1.03)	0.147	1.19 (0.99 – 1.42)	0.070
Verbal IQ	1.00 (0.98–1.01)*	0.845	0.98 (0.96 – 1.00)	0.031*	0.99 (0.98–1.01)	0.335	1.03 (1.01 – 1.06)	0.015*
BDI	1.01 (0.99–1.03)*	0.579	1.02 (0.99 – 1.05)	0.292	1.02 (0.99–1.04)	0.167	1.02 (0.99 – 1.06)	0.255

Low affinity binders (LAB), mixed affinity binders (MAB) high affinity binders (HAB); MMSE- Mini Mental State Examination;
MDS-UPDRS – Movement Disorder Society Unified Parkinson's Disease Rating Scale; BDI – Beck Depression Scale;
LEDD – Levodopa equivalent daily dose. *** p<0.001, ** p <0.01, * p <0.05