

Supplementary Table 1. Age adjusted video-oculographic difference of patients with PSP, PD, and HCs (*n*=212)

	PSP (<i>n</i> =112)	PD (<i>n</i> =50)	HC (<i>n</i> =50)	Age adjusted <i>p</i> value [‡]	
				PSP vs. PD	PSP vs. Control
Horizontal velocity of right eye	223.3 (206.7–239.9)	289.7 (265.6–313.8)	328.9 (304.3–353.6)	<0.001 [†]	<0.001 [†]
Horizontal velocity of left eye	225.4 (208.9–241.8)	306.4 (282.4–330.3)	332.0 (307.5–356.5)	<0.001 [†]	<0.001 [†]
Average horizontal velocity	224.3 (208.3–240.4)	298.0 (274.7–321.4)	330.5 (306.6–354.4)	<0.001 [†]	<0.001 [†]
Vertical velocity of right eye	144.5 (133.0–156.1)	244.6 (227.8–261.5)	275.2 (258.0–292.4)	<0.001 [†]	<0.001 [†]
Vertical velocity of left eye	147.4 (136.0–158.8)	242.2 (225.6–258.8)	269.3 (252.3–286.3)	<0.001 [†]	<0.001 [†]
Average vertical velocity	146.0 (135.0–156.9)	243.4 (227.5–259.3)	272.2 (256.0–288.5)	<0.001 [†]	<0.001 [†]
Horizontal latency of right eye	291.4 (275.1–307.8)	246.7 (222.9–270.5)	265.6 (241.2–289.9)	0.009 [‡]	0.281
Horizontal latency of left eye	292.0 (275.9–308.1)	250.4 (227.0–273.8)	265.4 (241.5–289.3)	0.016 [*]	0.240
Average horizontal latency	291.7 (275.8–307.7)	248.6 (225.4–271.8)	265.5 (241.8–289.2)	0.010 [*]	0.244
Vertical latency of right eye	344.9 (324.8–365.1)	262.6 (233.3–292.0)	267.6 (237.7–297.6)	<0.001 [†]	<0.001 [†]
Vertical latency of left eye	349.3 (328.5–370.1)	262.4 (232.0–292.7)	271.4 (240.4–302.3)	<0.001 [†]	<0.001 [†]
Average vertical latency	347.1 (327.5–366.7)	262.5 (234.0–291.0)	269.5 (240.4–298.6)	<0.001 [†]	<0.001 [†]

Values are presented as estimated marginal mean (95% CI). Saccadic velocity unit degree/s. Saccadic latency unit ms.

^{*}significant at the 0.05 level (2-tailed); [†]significant at the 0.01 level (2-tailed); [‡]ANCOVA—age at presentation as covariate, pairwise comparison. PSP, progressive supranuclear palsy; PD, Parkinson's disease; HC, healthy control; CI, confidence interval; ANCOVA, analysis of covariance.