

Supplementary Table 5. Correlation (unadjusted) of VOG values with scores of PSP-severity, FAB, and MoCA in PSP group (PSP-RS and PSP-P)

| PSP (PSP-RS and PSP-P) | PSP severity score (n=46) | Frontal score (FAB) (n=45) | MoCA (n=43) |
|----------------------------------|---------------------------|----------------------------|-------------|
| Horizontal velocity of right eye | -0.356* | 0.286 | 0.254 |
| Horizontal velocity of left eye | -0.269 | 0.214 | 0.218 |
| Average horizontal velocity | -0.318* | 0.255 | 0.240 |
| Vertical velocity of right eye | -0.443† | 0.390† | 0.322* |
| Vertical velocity of left eye | -0.329* | 0.279 | 0.237 |
| Average vertical velocity | -0.399† | 0.344* | 0.285 |
| Horizontal latency of right eye | 0.543† | -0.404† | -0.381* |
| Horizontal latency of left eye | 0.528† | -0.397† | -0.366* |
| Average horizontal latency | 0.543† | -0.406† | -0.380* |
| Vertical latency of right eye | 0.144 | -0.079 | -0.100 |
| Vertical latency of left eye | 0.120 | -0.076 | -0.009 |
| Average vertical latency | 0.137 | -0.080 | -0.057 |

Values are Pearson correlation coefficient.

*correlation is significant at the 0.05 level (2tailed); †correlation is significant at the 0.01 level (2-tailed).

VOG, video-oculography; PSP with predominant parkinsonism; FAB, frontal assessment battery; MoCA, Montreal Cognitive Assessment; PSP-RS, PSP-Richardson's syndrome; PSP-P, PSP with predominant parkinsonism.