**Supplemental Table 1**. Comparison of the intensity of spontaneous nystagmus (maximal SPV) and vertigo severity (VAS) at each position between patients with vs. without positional preference according to the visual fixation.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | With visual fixation | Without visual fixation | Two-way ANOVA |
|  |  | No positional preference(n=21) | With positional preference(n=12) | Mann-Whitney U test | No positional preference (n=23) | With positional preference(n=10) | Mann-Whitney U test |  p (Fixation) | p (Positional preference) | p (Interaction) |
|  |  | Mean | SD | Mean | SD | p-value | Mean | SD | Mean | SD | p-value |  |  |  |
| Maximal SPV of SN(deg/sec) | Sitting | 2.19  | 2.09  | 4.00  | 2.26  | 0.010  | 9.03  | 5.04  | 10.27  | 4.57  | 0.398  | <.001 | 0.019  | 0.780  |
| Supine | 3.67  | 3.43  | 6.08  | 3.82  | 0.044  | 12.53  | 7.57  | 13.80  | 5.85  | 0.443  | <.001 | 0.063  | 0.701  |
| Lying on the lesion side | 3.67  | 3.43  | 6.67  | 5.52  | 0.065  | 12.44  | 7.13  | 14.97  | 7.62  | 0.421  | <.001 | 0.036  | 0.883  |
| Lying on the healthy side | 3.29  | 3.24  | 5.67  | 3.73  | 0.022  | 10.60  | 6.89  | 13.25  | 6.29  | 0.140  | <.001 | 0.032  | 0.925  |
| SPV gap | 5.16  | 17.57  | -0.67  | 35.77  | 0.709  | 14.00  | 33.36  | 7.41  | 25.18  | 0.510  | 0.223  | 0.400  | 0.960  |
| VAS | Sitting | 2.38  | 2.60  | 6.50  | 1.93  | <.001 | 2.00  | 2.11  | 5.10  | 1.52  | 0.001  | 0.182  | <.001 | 0.374  |
| Supine | 1.81  | 1.81  | 5.25  | 2.22  | <.001 | 1.61  | 1.62  | 4.70  | 1.77  | <.001 | 0.477  | <.001 | 0.714  |
| Lying on the lesion side | 1.86  | 1.82  | 6.50  | 1.88  | <.001 | 1.61  | 1.62  | 5.70  | 1.64  | <.001 | 0.313  | <.001 | 0.546  |
| Lying on the healthy side | 1.86  | 1.82  | 4.42  | 1.83  | 0.001  | 1.61  | 1.62  | 3.80  | 1.40  | 0.001  | 0.374  | <.001 | 0.679  |
| VAS gap | 0.00  | 0.00  | 32.43  | 17.37  | <.001 | 0.00  | 0.00  | 31.85  | 18.04  | <.001 | 0.937  | <.001 | 0.912  |

SPV=slow phase velocity; SN=spontaneous nystagmus; VAS=visual analog scale