

**Supplementary Table 2.**  $\Delta\text{Hb}_{\text{oxy}}$  during head-up tilt test

|                                     | HCs        | PD-OH(-)   | PD-OH(+)   | <i>p</i> value | HCs vs. PD-OH(-) | HCs vs. PD-OH(+) | PD-OH(-) vs. PD-OH(+) |
|-------------------------------------|------------|------------|------------|----------------|------------------|------------------|-----------------------|
| $\Delta\text{Hb}_{\text{oxy}}$ (L)* |            |            |            |                |                  |                  |                       |
| 1 min                               | -0.2 (0.8) | -0.6 (1.8) | -2.0 (1.8) | 0.065          | 0.316            | 0.034            | 0.071                 |
| 2 min                               | -1.0 (0.7) | -1.0 (1.8) | -2.8 (2.6) | 0.157          | 0.684            | 0.129            | 0.085                 |
| 3 min                               | -1.3 (0.6) | -0.9 (1.9) | -3.1 (3.2) | 0.099          | 0.707            | 0.100            | 0.050                 |
| 4 min                               | -0.9 (0.7) | -0.8 (2.1) | -3.4 (3.6) | 0.026          | 0.372            | 0.021            | 0.024                 |
| 5 min                               | -1.0 (0.5) | -0.8 (2.1) | -3.0 (2.5) | 0.029          | 0.436            | 0.026            | 0.023                 |
| 6 min                               | -0.9 (0.6) | -0.8 (2.2) | -2.5 (1.2) | 0.032          | 0.327            | 0.021            | 0.034                 |
| 7 min                               | -0.1 (1.3) | -0.5 (2.3) | -2.4 (0.9) | 0.010          | 0.270            | 0.008            | 0.013                 |
| 8 min                               | -0.0 (0.9) | -0.6 (2.4) | -2.4 (1.0) | 0.025          | 0.172            | 0.005            | 0.022                 |
| 9 min                               | -0.6 (0.7) | -0.6 (2.6) | -2.6 (1.1) | 0.004          | 0.482            | 0.026            | 0.018                 |
| $\Delta\text{Hb}_{\text{oxy}}$ (R)† |            |            |            |                |                  |                  |                       |
| 1 min                               | -1.8 (0.9) | -1.1 (1.5) | -1.8 (1.9) | 0.153          | 0.062            | 0.452            | 0.302                 |
| 2 min                               | -2.4 (1.1) | -1.5 (1.4) | -3.1 (3.2) | 0.153          | 0.082            | 0.675            | 0.191                 |
| 3 min                               | -2.3 (1.4) | -1.3 (1.4) | -3.6 (4.1) | 0.088          | 0.075            | 0.923            | 0.080                 |
| 4 min                               | -2.2 (1.6) | -1.2 (1.4) | -3.9 (4.6) | 0.078          | 0.117            | 0.771            | 0.045                 |
| 5 min                               | -2.2 (1.9) | -1.2 (1.4) | -3.2 (2.7) | 0.087          | 0.193            | 0.561            | 0.037                 |
| 6 min                               | -1.8 (2.0) | -1.3 (1.7) | -2.4 (1.3) | 0.323          | 0.495            | 0.535            | 0.139                 |
| 7 min                               | -1.9 (2.1) | -1.1 (1.9) | -2.3 (1.3) | 0.253          | 0.359            | 0.613            | 0.113                 |
| 8 min                               | -1.8 (2.1) | -0.9 (1.9) | -2.2 (1.4) | 0.403          | 0.352            | 0.857            | 0.231                 |
| 9 min                               | -1.6 (2.2) | -0.9 (1.9) | -2.2 (1.5) | 0.271          | 0.310            | 0.726            | 0.135                 |

Values are means  $\pm$  standard deviation unless otherwise indicated. Statistical analyses were performed using Kruskal–Wallis test and Mann–Whitney test.

\*number of subjects (HCs: 4, PD-OH(-): 19, PD-OH(+): 10); †number of subjects (HC: 7, PD-OH(-): 19, PD-OH(+): 8).

$\Delta\text{Hb}_{\text{oxy}}$ , the change in oxygenated hemoglobin; HCs, healthy controls; PD-OH(-), Parkinson's disease patients without orthostatic hypotension; PD-OH(+), Parkinson's disease patients with orthostatic hypotension; L, left; R, right; min, minute.