**Table 3**. Results of inter-visit comparison with post-hoc analysis

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **PHT** | | | | **DBS** | | | | ***Intervisit*** |
| ***p-value (post-hoc test)*** | | | | ***p-value (post-hoc test)*** | | | |
| Visit | 1 | 2 | 3 | visit | 1 | 2 | 3 | P |
| **Body weight** | 1 |  | 0.7245 | 0.4705 | 1 |  | **0.0141** | 0.0551 | **0.0074** |
| 2 | 0.7245 |  | 0.7112 | 2 | **0.0141** |  | 0.5743 |
| 3 | 0.4705 | 0.7112 |  | 3 | 0.0551 | 0.5743 |  |
| **BMI** | 1 |  | 0.6983 | 0.4001 | 1 |  | **0.0113** | 0.0338 | **0.0003** |
| 2 | 0.6983 |  | 0.6488 | 2 | **0.0113** |  | 0.6655 |
| 3 | 0.4001 | 0.6488 |  | 3 | **0.0338** | 0.6655 |  |
| **Carbohydrate parameters** | | | | | | | | | |
| **Glucose** | 1 |  | **0.0356** | **0.0206** | 1 |  | 0.1553 | 0.1067 | **0.0108** |
| 2 | **0.0356** |  | 0.8225 | 2 | 0.1553 |  | 0.8443 |
| 3 | **0.0206** | 0.8225 |  | 3 | 0.1067 | 0.8443 |  |
| **OGTT 1** | 1 |  | 0.9332 | 0.0825 | 1 |  | 0.4675 | 0.9905 | 0.4616 |
| 2 | 0.9332 |  | 0.0691 | 2 | 0.4675 |  | 0.4603 |
| 3 | 0.0825 | 0.0691 |  | 3 | 0.9905 | 0.4603 |  |
| **OGTT 2** | 1 |  | **0.0007** | **0.0066** | 1 |  | 0.2338 | **0.0142** | **0.0000** |
| 2 | **0.0007** |  | **0.0000** | 2 | 0.2338 |  | **0.0004** |
| 3 | **0.0066** | **0.0000** |  | 3 | **0.0142** | **0.0004** |  |
| **HbA1c%** | 1 |  | 0.8345 | 0.6761 | 1 |  | 0.6761 | 0.0975 | 0.4281 |
| 2 | 0.8345 |  | 0.8345 | 2 | 0.6761 |  | 0.2122 |
| 3 | 0.6761 | 0.8345 |  | 3 | 0.0975 | 0.2122 |  |
| **Lipid parameters** | | | | | | | | | |
| **TC** | 1 |  | 0.9526 | 0.1019 | 1 |  | 0.1088 | 0.3741 | 0.2518 |
| 2 | 0.9526 |  | 0.1146 | 2 | 0.1088 |  | 0.4685 |
| 3 | 0.1019 | 0.1146 |  | 3 | 0.3741 | 0.4685 |  |
| **HDL** | 1 |  | 0.9767 | 0.4664 | 1 |  | 0.0608 | **0.0000** | **0.0006** |
| 2 | 0.9767 |  | 0.4844 | 2 | 0.0608 |  | **0.0038** |
| 3 | 0.4664 | 0.4844 |  | 3 | **0.0000** | **0.0038** |  |
| **LDL** | 1 |  | 0.51 | 0.2976 | 1 |  | 0.0547 | 0.2102 | 0.1289 |
| 2 | 0.51 |  | 0.0912 | 2 | 0.0547 |  | 0.4937 |
| 3 | 0.2976 | 0.0912 |  | 3 | 0.2102 | 0.4937 |  |
| **TG** | 1 |  | 0.1812 | **0.0000** | 1 |  | **0.0366** | **0.0000** | **0.0001** |
| 2 | 0.1812 |  | **0.0003** | 2 | **0.0366** |  | **0.0081** |
| 3 | **0.0000** | **0.0003** |  | 3 | **0.0000** | **0.0081** |  |
| **Neurological examination** | | | | | | | | | |
| **UPDRSIII On** | 1 |  | 0.0638 | **0.0023** | 1 |  | 0.6567 | **0.0161** | **0.0000** |
| 2 | 0.0638 |  | **0.0000** | 2 | 0.6567 |  | **0.0048** |
| 3 | **0.0023** | **0.0000** |  | 3 | **0.0161** | **0.0048** |  |  |
| **UPDRSIII Off** | 1 |  | **0.0001** | **0.0000** | 1 |  | **0.0000** | **0.0000** | **0.0000** |
| 2 | **0.0001** |  | **0.0266** | 2 | **0.0000** |  | **0.0172** |
| 3 | **0.0000** | **0.0266** |  | 3 | **0.0000** | **0.0172** |  |

p-value (post hoc test) — p-value for NIR Fisher test; p-value for intervisit — ANOVA p-value for repeated measurements;

OGTT1 — serum level of glucose 60 minutes after oral administration of 75 g glucose; OGTT2 — serum level of glucose 120 minutes after oral administration of 75 g glucose; TC — total cholesterol; HDL-C — high density lipoprotein cholesterol; LDL-C — low density lipoprotein cholesterol; TG — triglycerides