**Supplemental Digital Content**

**Supplementary Table. Comparisons of the brain volumes between groups.**

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| --- | --- | --- | --- | --- |
| Brain volume | T2DM patients |  | Non-T2DM controls | *p*-value |
| Gray matter | 760.9±68.2  756.6±59.6  1517.4±89..6 |  | 772.3±63.2  747.7±43.5  1520.0±80.2 | 0.443 |
| White matter |  | 0.452 |
| Brain parenchyma |  | 0.894 |

Values are mean ± standard deviation.