

Supplementary Table 3. Characteristics of participants between control and T2DM patients underwent functional magnetic resonance imaging

Characteristic	Control (n=11)	T2DM patients (n=11)	P value
Male sex	27.27	36.36	1.000
Age, yr	51.18±8.33	48.91±8.29	0.528
BMI, kg/m ²	23.67±2.30	28.40±4.69	0.007
Waist circumference, cm	81.28±5.41	94.55±10.76	0.002
Hip circumference, cm ^a	95.50 (93.75–97.00)	101.00 (93.50–105.00)	0.189
Thigh circumference, cm	53.80±4.39	53.55±5.59	0.907
SBP, mm Hg	120.45±16.27	120.68±16.31	0.974
DBP, mm Hg	73.50±9.01	74.91±13.88	0.781
HR, bpm	74.36±7.79	75.73±7.37	0.678
Fat mass, kg	19.11±4.52	24.45±9.47	0.107
Body fat percentage, %	29.99±6.87	31.15±7.31	0.707
HbA1c, %	5.55±0.23	7.24±0.77	<0.001
FPG, mmol/L	4.90±0.41	6.80±1.12	<0.001
Fasting insulin, μU/mL ^a	8.80 (6.52–10.06)	12.78 (11.18–17.18)	0.009
HOMA-IR ^a	2.08 (1.38–2.22)	3.81 (3.26–4.28)	<0.001
HOMA-β ^a	120.09 (113.76–151.99)	84.87 (51.29–122.80)	0.057
Total cholesterol, mmol/L	5.21±0.88	5.22±0.94	0.987
Triglycerides, mmol/L ^a	1.03 (0.69–1.27)	1.34 (0.81–2.08)	0.293
HDL-C, mmol/L ^a	1.52 (1.42–1.99)	1.14 (1.02–1.38)	0.001
LDL-C, mmol/L ^a	3.08 (2.25–3.29)	3.40 (2.98–3.65)	0.158
FGF21, pg/mL ^a	91.19 (30.00–133.83)	166.00 (85.89–235.08)	0.035

Values are presented as mean ± standard deviation or median (interquartile range).

T2DM, type 2 diabetes mellitus; BMI, body mass index; SBP, systolic blood pressure; DBP, diastolic blood pressure; HR, heart rate; HbA1c, glycosylated hemoglobin; FPG, fasting plasma glucose; HOMA-IR, homeostasis model assessment of insulin resistance; HOMA-β, homeostasis model assessment of β-cell function; HDL-C, high-density lipoprotein cholesterol; LDL-C, low-density lipoprotein cholesterol; FGF21, fibroblast growth factor 21.

^aLog_e-transformed before analysis.