

Table S1. Demographic information and clinical characteristics of healthy controls and patients with SZ.

Variables	HC (n=142)	CPZ (n=32)	OLZ (n=114)	CLZ (n=77)	APZ (n=41)	RIS (n=93)	QTP (n=31)	Test Statistic	p-Value
Age ^a , yrs	35.37 (12.64)	55.13 (14.63)	36.29 (13.91)	47.73 (15.30)	39.44 (17.45)	36.79 (15.26)	41.74 (14.63)	13.990	0.000
Sex ^b	66 (46.5) / 76 (53.5)	9 (28.1) / 23 (71.9)	41 (36.0) / 73 (64.0)	20 (26.0) / 57 (74.0)	20 (48.8) / 21 (51.2)	37 (39.8) / 56 (60.2)	11 (35.5) / 20 (64.5)	12.700	0.048
Education ^a , yrs	5.06 (1.37)	3.66 (0.83)	3.97 (0.98)	3.43 (0.93)	3.87 (0.86)	4.04 (0.91)	3.50 (0.95)	26.066	0.000
Age of onset ^a , yrs		29.13 (12.39)	27.81 (11.76)	27.13 (9.92)	27.10 (8.09)	26.26 (10.67)	29.17 (8.77)	0.414	0.838
Duration of illness ^a , months		269.54 (193.92)	121.85 (154.39)	209.82 (194.85)	216.07 (212.36)	171.50 (162.57)	163.87 (148.10)	3.212	0.008
PANSS score									
Positive ^c		14.00 (12.00)	20.50 (15.00)	15.00 (13.00)	19.00 (13.00)	19.00 (15.50)	19.00 (9.00)	19.774	0.001
Negative ^c		14.00 (13.75)	16.00 (11.50)	16.00 (14.00)	19.00 (10.5)	16.00 (10.00)	16.00 (12.00)	2.416	0.789
General ^c		28.50 (12.75)	38.00 (21.5)	33.00 (21.25)	37.00 (32.75)	34.00 (26.00)	38.00 (14.00)	20.344	0.001
Total ^c		62.50 (27.25)	79.00 (41.50)	64.00 (38.75)	77.50 (42.5)	72.00 (42.00)	79.00 (33.50)	17.915	0.003

^a Mean (SD); ^b Female n (%) / male n (%); ^c Median (IQR). Test Statistic: χ^2 for the Chi-square test, H for the Kruskal-Wallis test, F for One-way ANOVA

Table S2. The association of plasma MIF concentration with WHR in healthy controls and patients with SZ (OLZ, CLZ, APZ, RIS, QTP).

WHR	mean $\pm$ SD	p-value
HC	0.86 $\pm$ 0.09	
OLZ	0.90 $\pm$ 0.12	0.010 ^a
CLZ	0.92 $\pm$ 0.07	0.000 ^a
APZ	0.92 $\pm$ 0.07	0.004 ^a
RIS	0.90 $\pm$ 0.10	0.006 ^a
QTP	0.92 $\pm$ 0.07	0.011 ^a
F	2.258	0.041 ^b
β	0.001	0.011 ^c

^aP values of Dunnett's test which were adjusted for age and gender. ^bP values of multi-factor ANOVA which were adjusted for age and gender. ^cP values of multiple linear regression which were adjusted for age, gender and PANSS.

Table S3. Glucose metabolism indexes of healthy controls and patients with SZ.

Variables		HC (n=142)	CPZ (n=32)	OLZ (n=114)	CLZ (n=77)	APZ (n=41)	RIS (n=93)	QTP (n=31)	F	p-Value ^b
HOMA-IR	mean (SD)	0.91 (0.47)	1.72 (1.46)	2.46 (2.06)	2.06 (1.51)	2.59 (1.97)	2.15 (1.50)	2.27 (2.10)		
	p-value ^a		0.036	0.000	0.000	0.000	0.000	0.000	7.744	0.000
insulin	mean (SD), µU/ml	26.43 (17.27)	42.70 (51.73)	70.40 (58.93)	50.95 (44.07)	72.18 (53.23)	60.28 (39.98)	62.54 (50.76)		
	p-value ^a		0.289	0.000	0.001	0.000	0.000	0.000	6.812	0.000
fpg	mean (SD), µU/ml	4.65 (0.62)	5.70 (1.45)	5.25 (1.23)	5.80 (1.76)	5.69 (1.76)	5.27 (1.10)	5.16 (0.76)		
	p-value ^a		0.000	0.000	0.000	0.000	0.001	0.154	5.168	0.000
A1c	mean (SD), %	5.35 (0.36)	5.82 (0.97)	5.53 (1.73)	5.92 (1.33)	6.00 (1.91)	5.48 (1.02)	5.37 (0.48)		
	p-value ^a		0.043	0.440	0.000	0.000	0.858	1.000	2.032	0.063

^aP values of Dunnett's test. ^b P values of multi-factor ANOVA

All P values were adjusted for age and gender.

Table S4. Lipid metabolism indexes of healthy controls and patients with SZ.

Variables		HC (n=142)	CPZ (n=32)	OLZ (n=114)	CLZ (n=77)	APZ (n=41)	RIS (n=93)	QTP (n=31)	F	p-Value ^b
TC	mean (SD), mmol/L	4.22 (0.74)	4.57 (1.05)	4.43 (1.09)	4.37 (1.08)	4.29 (0.85)	4.25 (0.91)	4.69 (0.93)		
	p-value ^a		0.257	0.334	0.788	0.998	1.000	0.064	1.928	0.078
LDL	mean (SD), mmol/L	2.43 (0.80)	2.81 (0.95)	2.69 (0.95)	2.73 (0.78)	2.65 (0.73)	2.57 (0.77)	2.75 (0.88)		
	p-value ^a		0.058	0.036	0.026	0.448	0.636	0.163	2.409	0.029
HDL	mean (SD), mmol/L	1.67 (0.49)	1.24 (0.39)	1.29 (0.34)	1.24 (0.40)	1.30 (0.39)	1.25 (0.35)	1.43 (0.31)		
	p-value ^a		0.000	0.000	0.000	0.000	0.000	0.011	10.094	0.000
TG	mean (SD), mmol/L	1.14 (0.57)	1.28 (0.66)	1.22 (0.64)	1.46 (0.96)	1.56 (1.27)	1.16 (0.69)	1.33 (0.77)		
	p-value ^a		0.777	0.831	0.002	0.001	1.000	0.498	3.731	0.002
ApoA1	mean (SD), g/L	1.28 (0.19)	1.54 (1.26)	1.27 (0.27)	1.29 (0.39)	1.30 (0.27)	1.24 (0.31)	1.37 (0.32)		
	p-value ^a		0.000	0.997	1.000	1.000	0.802	0.520	2.809	0.012
ApoB	mean (SD), g/L	0.78 (0.24)	1.33 (1.60)	0.91 (0.87)	1.17 (1.65)	0.81 (0.22)	0.81 (0.30)	0.87 (0.23)		
	p-value ^a		0.014	0.650	0.005	1.000	1.000	0.990	1.211	0.302

^a P values of Dunnett's test. ^b P values of multi-factor ANOVA

All P values were adjusted for age and gender.