

Supplementary Table S1. Demographic characteristics and peripheral biochemistry of the enrolled and not enrolled patients.

Characteristics	Enrolled (N=70)	Not enrolled (N=42)	Comparison	
	Mean \pm SD	Mean \pm SD	t/U/ χ^2	p
Clinical features				
Age, years	39.7 \pm 13.3	39 \pm 11.8	2059.5	0.729
HDRS scores of baseline	23.9 \pm 5.6	24.4 \pm 5.6	0.474	0.637
Peripheral biochemistry				
BH, cm	160.6 \pm 7.6	161.1 \pm 7.1	1357.5	0.606
BW, kg	56.76 \pm 11.87	58.43 \pm 11.94	1368.0	0.416
BMI, kg/m ²	21.95 \pm 3.84	22.48 \pm 4.42	0.617	0.539
SBP, mmHg	114.9 \pm 17.8	113 \pm 16.2	-0.578	0.565
DBP, mmHg	75.1 \pm 9.6	76.6 \pm 12.4	0.667	0.507
Sugar profiles				
AC sugar, mg/dl	93.6 \pm 12.1	91.1 \pm 12.3	1234.0	0.424
Insulin, μ In/ml	7.47 \pm 8.59	6.38 \pm 5.4	1315.5	0.850
HbA1c (%)	5.60 \pm 0.36	5.62 \pm 0.46	1245.5	0.690
HOMA-IR	1.87 \pm 2.45	1.54 \pm 1.58	1284.0	0.788
HOMA- β (%)	84.57 \pm 68.46	80.85 \pm 47.59	1353.5	0.861
Lipid profiles				
Cholesterol, mg/dL	193.91 \pm 42.81	190.08 \pm 46.94	1269.5	0.567
TG, mg/dL	107.32 \pm 68.52	100.43 \pm 66.04	1294.5	0.679
HDL, mg/dL	55.90 \pm 13.78	60.97 \pm 15.51	1.693	0.095
LDL, mg/dL	117.10 \pm 40.18	111.49 \pm 44.10	1164.5	0.354
LDL/HDL	2.23 \pm 1.00	1.98 \pm 0.95	1107.5	0.193
Other biochemical indices				
C-peptide, ng/ml	1.94 \pm 1.65	2.06 \pm 1.75	1323.5	0.890
Cortisol, μ g/dL	14.5 \pm 6.9	13.3 \pm 4.2	1221.0	0.427
Leptin, ng/mL	10.12 \pm 12.18	11.02 \pm 13.25	1373.5	0.687
Oxytocin, pg/mL	29.9 \pm 18.3	36.1 \pm 18.1	1274.0	0.055
hsCRP, pg/mL	270308.9 \pm 339873.3	335136.7 \pm 455223.1	1428.0	0.600

Abbreviations: SD: standard deviation, HDRS: Hamilton Depression Rating Scale, BH: body height, BW: body weight, BMI: body mass index, SBP: systolic blood pressure, DBP: diastolic blood pressure, HOMA-IR: homeostasis model assessment-estimated insulin resistance, HOMA- β : homeostasis model assessment for pancreatic β cell function, TG: triglyceride, HDL: high-density lipoprotein, LDL: low-density lipoprotein, hsCRP: high sensitive C-reactive protein.

Supplementary Table S2. Questionnaire scores of the enrolled and not enrolled patients.

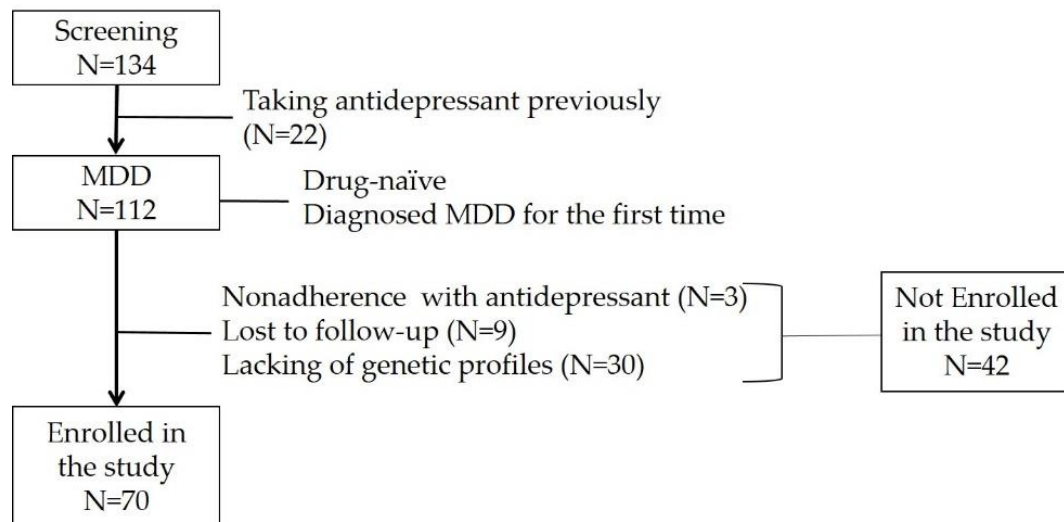
Questionnaire	Enrolled (N=70)	Not enrolled (N=42)	Comparison	
	Mean \pm SD	Mean \pm SD	t/U	p
WHOQoL				
Overall	4.9 \pm 1.6	5.1 \pm 1.8	1017.0	0.692
Physical health	16.8 \pm 5.0	19.1 \pm 5.2	1.982	0.054
Psychological	14.4 \pm 3.8	14 \pm 4.5	-0.345	0.731
Social relationship	12.9 \pm 3.5	13.4 \pm 3.2	0.668	0.506
Environment	32.2 \pm 6.1	32.7 \pm 6.6	0.322	0.748
Social support scale				
Perceived crisis social support	22.1 \pm 5.8	23.1 \pm 5.4	952.0	0.398
Received crisis social support	26.6 \pm 7.3	28.5 \pm 6.0	1.285	0.203
Perceived routine social support	21.1 \pm 6.3	21.2 \pm 5.6	878.5	0.900
Received routine social support	23.4 \pm 6.4	25.6 \pm 7.7	989.0	0.166
Life event score				
Total score	10.2 \pm 9.5	13.5 \pm 15.3	844.5	0.536

Abbreviations: SD: standard deviation, WHOQoL: the World Health Organization quality of life.

Supplementary Table S3. Cognitive function of the enrolled and not enrolled patients.

Cognitive Function	Enrolled (N=70)	Not enrolled (N=42)	Comparison	
	Mean \pm SD	Mean \pm SD	U	p
Finger-Tapping Test				
Dominant finger	37.4 \pm 11.2	37.4 \pm 11.5	1226.5	0.992
Nondominant finger	36.4 \pm 9.3	35.3 \pm 9.2	1197.0	0.731
Wisconsin Card-Sorting Test				
Perseverative errors	17 \pm 13.2	17.4 \pm 12.4	1391.0	0.460
Completed categories	1.7 \pm 1.6	1.6 \pm 1.5	1252.0	0.850
Continuous Performance test				
Unmasked	3.77 \pm 1.18	3.75 \pm 1.07	1285.0	0.968
Masked	2.86 \pm 1.33	2.98 \pm 1.12	1156.5	0.796

Abbreviations: SD: standard deviation.



Supplementary Figure S1. Flowchart for MDD patients in the study.