

Table 2. Correlation (n=68) between demographic characteristics, metabolic profile, serum adiponectin, VAT and SAT mRNA expression levels by Pearson correlation analysis

Variables	Age	BMI	WC	Glucose	Insulin	HOMA	TG	TC	HDL	VAT mRNA	SAT mRNA	Serum adiponectin
Age	1.00											
BMI	0.14	1.00										
WC	0.02	0.79***	1.00									
Glucose	-0.07	0.17	0.05	1.00								
Insulin	0.17	0.20	0.00	-0.12	1.00							
HOMA	0.14	0.25*	0.01	0.17	0.95***	1.00						
TG	0.09	0.53***	0.57***	0.06	0.20	0.20	1.00					
TC	0.05	0.16	0.10	0.14	-0.36**	-0.33**	0.06	1.00				
HDL	-0.02	-0.37**	-0.34**	-0.16	0.20	0.16	-0.38**	-0.03	1.00			
VAT mRNA	-0.20	-0.36**	-0.38**	-0.25*	0.08	0.00	-0.40***	-0.12	0.35**	1.00		
SAT mRNA	0.12	-0.34**	-0.36**	-0.15	-0.32**	-0.34**	-0.31**	-0.08	-0.01	0.11	1.00	
Serum adiponectin	0.02	-0.25*	-0.24*	-0.13	0.12	0.08	-0.20	0.02	0.15	-0.01	0.00	1.00

*- $p < 0.05$, **- $p < 0.01$, ***- $p < 0.001$

BMI: body mass index, WC: waist circumference, HOMA: homeostasis model assessment, TG: triglyceride, TC: total cholesterol, HDL: high density lipoprotein, VAT: visceral adipose tissue, SAT: subcutaneous adipose tissue.