

Table 2. Age- and gender-adjusted biochemical and anthropometric characteristics of the low-adiponectin and the high-adiponectin groups

	Low-adiponectin (n = 137)	High-adiponectin (n = 137)	p value
Adiponectin (µg/ml)	8.89 [6.94-10.59]	17.68 [14.79-21.03]	<0.001
Acute phase proteins			
hs-CRP (mg/l)	2.50 [1.00-6.15]	1.40 [0.50-2.90]	0.006
SAA (mg/l)	5.30 [2.18-8.75]	4.72 [2.30-8.47]	>0.1
PLASM (mg/dl)	320.00 [278.00-357.00]	278.00 [231.75-339.50]	<0.001
ESR (mm/hr)	15.00 [8.00-24.50]	10.00 [5.00-19.25]	0.003
Blood cell type			
WBC	7200 [6100-8200]	6800 [5930-7920]	0.070
Lipid parameters			
TG (mg/dl)	113.00 [78.00-160.00]	87.00 [61.00-116.75]	<0.001
CHOL (mg/dl)	206.00 [170.25-229.50]	205.00 [176.00-230.50]	>0.1
LDL (mg/dl)	126.00 [99.75-150.80]	120.80 [102.00-150.60]	>0.1
HDL (mg/dl)	48.00 [44.00-58.00]	56.00 [49.00-66.00]	<0.001
Insulin parameters			
GLU (mg/dl)	94.00 [87.00-103.00]	90.00 [86.00-95.00]	0.003
Insulin (µU/ml)	8.95 [6.33-12.80]	7.00 [4.50-11.00]	0.001
HbA1c (%)	5.50 [5.30-5.90]	5.40 [5.20-5.60]	0.011
HOMA-IR	2.18 [1.41-3.11]	1.57 [0.96-2.53]	<0.001
Obesity indexes			
BMI (Kg/m ²)	31.50 [26.00-36.10]	27.18 [22.79-31.80]	<0.001
WHR	0.88 [0.81-0.94]	0.84 [0.76-0.90]	<0.001
Total Fat (%)	50.20 [43.00-54.00]	50.10 [38.90-54.60]	0.005

Values are median [lower-upper quartile]. The population was divided into low-adiponectin group (mean age = 40.03, SD = 12.49 years; 105 women) and high-adiponectin group (mean age = 39.11, SD = 13.43 years; 116 women) as per median levels of adiponectin (11.94 µg/ml). The two groups were comparable as to age (p > 0.5) and gender distribution (p > 0.1). Significant pairwise comparisons were made by Bonferonni-corrected at p = 0.017 between the low-adiponectin and the high-adiponectin groups.

hs-CRP: High sensitivity CRP; SAA: Serum amyloid A; PLASM: Plasminogen; ESR: Erythrocyte sedimentation rate; WBC: White blood cells; TG: Triglycerides; CHOL: Cholesterol; GLU: Glucose; HbA1c: Glycosylated hemoglobin; HOMA-IR: Homeostasis model assessment of insulin resistance; WHR: Waist-to-hip ratio.