

Table 2. Baseline anthropometric, biochemical and hormonal characteristics in overweight/obese and lean PCOS patients and in controls (mean±SD)

Variable	Lean		P	Overweight/obese		P
	PCOS (N=44)	Controls (N=34)		PCOS (N=39)	Controls (N=30)	
Age (years)	23.6±4.5	24.9±2.5	0.14*	26.4±4.8	28.5 ± 3.8	0.08*
BMI (kg/m ²)	22.0±1.6	21.4±1.6	0.11*	30.1±2.8	28.5 ± 1.6	0.07*
Glucose (mg/dl)	88.6±11.2	81.5±11.2	<0.01*	100.1±13.9	83.1 ± 14.1	<0.001*
Insulin (μU/ml)	6.8±2.9	5.4±2.0	<0.05**	13.6±2.9	9.9 ± 4.9	<0.05*
HOMA-IR	1.5±0.6	1.1±0.5	<0.01**	3.4±2.1	2.0 ± 1.1	<0.05*
AST (U/L)	18.3±8.5	18.2±2.9	0.93**	18.8±5.7	17.2 ± 3.6	0.18*
ALT (U/L)	12.5±5.8	13.4±6.1	0.52*	17.7±12.2	14.1 ± 7.0	<0.05**
γGT (U/L)	11.0±3.0	11.4±3.5	0.61*	17.9±9.1	13.4 ± 5.2	<0.05**
TChol (mg/dl)	179.5±44.6	168.3±26.4	0.20*	191.4±36.5	174.7±31.3	0.05*
Trg (mg/dl)	66.7±24.2	56.2±14.0	<0.05*	95.1±47.2	79.4 ± 44.6	<0.05*
Testo (nmol/L)	2.8±1.3	1.9±0.4	<0.001*	2.8±1.2	1.8 ± 0.3	<0.001*
fTesto (pg/ml)	2.1±1.0	1.7±0.6	0.05*	2.8±1.6	1.6 ± 0.4	<0.05*
SHBG (nmol/l)	49.1±25.7	54.7±23.2	0.34*	30.6±12.6	46.9 ± 31.9	<0.01*
FAI %	7.9±6.6	4.1±2.1	<0.01*	11.4±7.1	6.0 ± 5.9	<0.01*

* unpaired t-test, **Mann-Whitney test, BMI: body mass index, WHR: waist-to-hip ratio, HOMA-IR: homeostasis model assessment, AST: aspartate aminotransferase, ALT: alanine aminotransferase, γGT: γ-glutamyl transpeptidase, TChol: total cholesterol, Trg: triglycerides, Testo: total testosterone, fTesto: free testosterone, SHBG: sex hormone-binding globulin, FAI: free androgen index. Conversion factors for SI units are as follows: fTesto, pmol/l = pg/ml x 3.467; Glucose, mmol/l = mg/dl x 0.0555; Insulin, pmol/l = μU/ml x 7.175; TChol, mmol/l = mg/dl x 0.02586; Trg, mmol/l = mg/dl x 0.0113