

Table 2. Anthropometric and biochemical parameters in carriers of the Pro/Pro genotype and carriers of the Pro/Ala genotype in the PCOS group (values are presented as means±SD).

	Pro/Pro genotype	Pro/Ala genotype	p value
Number of subjects	150	30	
Age (years)	22.7±5.8	23.7±6.4	ns
BMI (Kg/m ²)	28.2±7.6	26.6±6.9	ns
LH/FSH ratio	1.4±1.1	1.4±1.0	ns
LH (IU/L)	7.5±6.0	7.1±3.6	ns
FSH (IU/L)	5.3±1.3	5.8±1.8	0.05
DHEAS (µmol/L)	7.95±3.19	6.44±2.80	0.01
SHBG (nmol/l)	36.6±26.6	43.4±23.9	ns
Total testosterone (nmol/L)	3.4±1.6	3.4±1.5	ns
FAI	13.7±12.1	11.4±10.2	ns
Total cholesterol (mmol/L)	4.63±0.85	4.94±0.89	ns
Triglycerides (mmol/L)	0.95±0.58	1.07±0.73	ns
HDL-cholesterol (mmol/L)	1.21±0.36	1.32±0.35	ns
LDL-cholesterol (mmol/L)	4.19±0.77	4.44±0.78	ns
HOMA index	3.2±2.4	3.3±2.2	ns
Fasting glucose/insulin ratio	10.0±7.9	8.6±4.6	ns
Fasting insulin levels pmol/L	99.8±70.2	99.8±61.3	ns
AUCglucose (mg/dl)	14920.5±3099.9 (n=86)	14316.4±3420.7 (n=14)	ns
AUCinsulin (µIU/ ml)	11425.1±9876.6 (n=86)	8554.9±3727.3 (n=14)	ns

BMI: Body mass index, LH: Luteinizing hormone, FSH: Follicle-stimulating hormone, DHEAS: Dehydroepiandrosterone sulfate, SHBG: Sex hormone-binding globulin, FAI: Free androgen index, HDL: High density lipoprotein, LDL: Low density lipoprotein, HOMA: Homeostasis model assessment, AUC: Area under the curve, ns: non-significant