

Table S1. Correlation of Ghrelin and Leptin with anthropometrics, biochemical and hormonal parameters.

Study group (n = 53) Ghrelin (pg/ml)	Controls (n = 87) Ghrelin (pg/ml)				Leptin (ng/ml) Study group		Leptin (ng/ml) Control group	
	R	P	R	P	r	P	r	P
CRP (mg/dl)	-0.2	0.33	-0.29	0.028	CRP (mg/dl)	0.39	0.025	0.47 0.000
Weight (kg)	-0.52	0.0005	-0.44	0.000	Weight (kg)	0.4	0.015	0.16 0.34
BMI (m ² /kg)	-0.38	0.022	-0.36	0.006	BMI (m ² /kg)	0.61	<0.001	0.49 <0.000
Fat mass (g)	-0.30	0.95	-0.28	0.039	Fat mass (g)	0.7	<0.0001	0.78 <0.000
Lean Mass (g)	-0.56	0.0003	-0.45	0.0006	Insulin (uIU/ml)	0.62	<0.001	0.41 0.0013
Insulin (μIU/ml)	-0.29	0.11	-0.32	0.018	Glucose (mg/dl)	0.4	0.015	0.12 0.48
Glucose (mg/dl)	-0.08	0.76	-0.23	0.15	Triglyceride (mg/dl)	0.43	0.076	0.22 0.13
LDL cholesterol (mg/dl)	0.08	0.76	0.15	0.48	HOMA/FIRI	0.6	<0.0001	0.37 0.04
Triglyceride (mg/dl)	-0.11	0.64	-0.04	0.8	Quicki	- 0.6	<0.0001	-0.37 0.04
HDL (mg/dl)	0.52	0.0004	0.12	0.5	LH (mIU/ml)	0.4	0.012	0.34 0.096
Morning Cortisol (nM)	0.54	0.012	-0.11	0.63	FSH (mIU/ml)	0.45	0.005	0.35 0.006
Testosterone (ng/ml)	- 0.53	0.0036	- 0.3	0.021	Testosterone (ng/ml)	- 2.9	0.09	-0.40 0.0013
Aspartate aminotransaminase (U/L)	-0.3	0.18	-0.22	0.23	Aspartate aminotransaminase (U/L)	0.36	0.9	-0.16 0.39
Alanine Aminotransaminase (U/L)	-0.36	0.083	-0.32	0.019	Alanine Aminotransaminase (U/L)	0.4	0.04	-0.10 0.57

significant results (p<0.05).