

**Table 2.** Ghrelin and leptin levels in male (M) and female (F) adolescents studied separately (mean  $\pm$  SD, range, Mann-Whitney P values).

Gender	Obese Adolescents IR			Obese Adolescents NIR			Controls		
	M	F	P	M	F	P	M	F	P
n	6	14		10	10		10	5	
Leptin (ng/ml)	44.18 $\pm$ 20.06 17.12- 66.63	47.26 $\pm$ 31.46 10.70-121.10	=0.444	35.97 $\pm$ 20.33 16.39- 86.30	33.52 $\pm$ 16.19 13.71-68.62	=0.971	8.43 $\pm$ 5.06 2.10-16.06	16.37 $\pm$ 5.86 6.52-24.29	=0.022
Ghrelin (pmol/l)	903.44 $\pm$ 290.28 419.93-1285.20	841.55 $\pm$ 298.63 376.77-1619.36	=0.968	960.74 $\pm$ 235.63 756.82-1580.07	1243.44 $\pm$ 427.83 735.47-1955.76	=0.089	1317.49 $\pm$ 195.17 1032.71-1618.52	1419.94 $\pm$ 618.52 1011.87-2665.12	=0.529

IR: insulin-resistant, NIR: non-insulin-resistant, P values <0.05 are significant.