

Table 1. Lipids and glucose homeostasis parameters in cases and controls

Parameter	Cases (mean $\pm$ SD) n:114	Controls (mean $\pm$ SD) n:114	P value
Age (years)	24.0 $\pm$ 7.9	24.1 $\pm$ 8.0	0.875
BMI (kg/m ²)	20.8 $\pm$ 3.0	20.2 $\pm$ 3.1	0.154
Triglyceride (mmol/l)	1.33 $\pm$ 0.57	1.26 $\pm$ 0.64	0.251
Total cholesterol (mmol/l)	4.07 $\pm$ 0.78	3.96 $\pm$ 0.83	0.322
HDL (mmol/l)	1.09 $\pm$ 0.22	1.21 $\pm$ 0.27	<0.001*
LDL (mmol/l)	2.36 $\pm$ 0.69	2.17 $\pm$ 0.75	0.046*
TG to HDL ratio	3.0 $\pm$ 1.7	2.6 $\pm$ 1.7	0.013*
Glucose 0 (mmol/l)**	4.76 $\pm$ 0.32	4.78 $\pm$ 0.41	0.659
Glucose 30 min	6.89 $\pm$ 1.36	6.66 $\pm$ 1.00	0.163
Glucose 60 min	6.04 $\pm$ 1.31	5.92 $\pm$ 1.15	0.453
Glucose 120 min	5.07 $\pm$ 0.93	5.23 $\pm$ 0.92	0.209
AUC glucose (mmol/l min ⁻¹)	700 $\pm$ 101	692 $\pm$ 89	0.544
Insulin 0 (μ U/ml)**	8.5 $\pm$ 4.7	7.7 $\pm$ 3.7	0.118
Insulin 30 min	72.8 $\pm$ 47	67.0 $\pm$ 41	0.162
Insulin 60 min	59 $\pm$ 28	51 $\pm$ 34	0.027*
Insulin 120 min	37 $\pm$ 31	31 $\pm$ 19	0.139
AUC insulin (nmol/l min ⁻¹)	41.6 $\pm$ 23.3	36.4 $\pm$ 20.0	0.046*
AUC C-peptide (nmol/l min ⁻¹)	250 $\pm$ 80	242 $\pm$ 83	0.393
Proinsulin 0 (pmol/l)**	11.6 $\pm$ 5.7	10.2 $\pm$ 4.0	0.278
Proinsulin 30 min	32.3 $\pm$ 14	28.3 $\pm$ 13	0.025*
Proinsulin 60 min	39.2 $\pm$ 17	33.9 $\pm$ 16	0.019*
Proinsulin 120 min	39.7 $\pm$ 17	35.4 $\pm$ 17	0.081
AUC proinsulin (nmol/l min ⁻¹)	4.05 $\pm$ 1.6	3.53 $\pm$ 1.5	0.016*
Waist to hip ratio	0.85 $\pm$ 0.06	0.86 $\pm$ 0.07	0.643
Body fat %	34.5 $\pm$ 7.1	32.6 $\pm$ 8.0	0.318
HOMA-IR	1.8 $\pm$ 1.0	1.66 $\pm$ 0.8	0.135
WBISI	7.1 $\pm$ 3.6	8.4 $\pm$ 6.7	0.061
Disposition index	2.32 $\pm$ 0.8	2.61 $\pm$ 1.3	0.071
AUC proinsulin/AUC C-peptide	0.0173 $\pm$ 0.007	0.0155 $\pm$ 0.005	0.04*

BMI: body mass index; HDL: high density lipoprotein; LDL: low density lipoprotein; TG: triglycerides; HOMA-IR: homeostasis model assessment-insulin resistance; AUC: area under the curve, WBISI: whole body insulin sensitivity index.

*Significant at 0.05 level. **Values during an oral glucose tolerance test.