

Table 1. Characteristics of children at risk for overweight and control subjects

	At Risk for Overweight (n = 21)	Control (n = 20)	P value
Age (years)	10.5 (6 - 17)	10 (7 - 16)	0.418
Boys/Girls	10/11	10/10	0.879
BMI (kg/m ²)	21.78 (17.65 - 26.81)	17.34 (15.43 - 22.52)	0.001
Weight (kg)	49 (25 - 78)	30 (21 - 63)	0.001
Birth weight (g)	3600 (3100 - 5000)	3350 (2500 - 4800)	0.039
Waist circumference (cm)	74 (54 - 88)	59 (52 - 76)	0.001
Systolic BP (mmHg)	95 (80 - 120)	90 (70 - 120)	0.274
Diastolic BP (mmHg)	60 (40 - 80)	60 (40 - 80)	0.356
Total C (mmol/l)	4.03 (2.72 - 4.99)	3.94 (2.61 - 4.97)	0.548
Triglycerides (mmol/l)	0.82 (0.43 - 2.42)	0.72 (0.26 - 1.54)	0.411
LDL-C (mmol/l)	2.19 (0.95 - 3.04)	2.09 (1.20 - 3.11)	0.322
HDL-C (mmol/l)	1.35 (0.93 - 2.35)	1.49 (0.75 - 2.51)	0.087
Fasting glucose (mmol/l)	4.94 (4.17 - 5.67)	5.17 (4.06 - 5.72)	0.665
Fasting insulin (μU/ml)	7.50 (1.31 - 20.86)	4.28 (1.81 - 12.40)	0.005
HOMA-IR	1.67 (0.28 - 5.00)	1.01 (0.20 - 3.12)	0.031
QUICKI	0.35 (0.30 - 0.49)	0.38 (0.32 - 0.45)	0.069
Uric acid (μmol/l)	231.97 (118.96 - 523.42)	240.89 (95.17 - 339.04)	0.586
Fibrinogen (g/l)	2.42 (1.22 - 3.12)	2.27 (1.42 - 3.82)	0.818
CRP (mg/l)	0.90 (0.10 - 3.20)	0.47 (0.10 - 1.60)	0.026
FMD (%)	5.88 (1.67 - 14.81)	7.41 (2.56 - 18.58)	0.386

Note: BMI: Body mass index, BP: Blood pressure, C: Cholesterol. CRP: C-reactive protein, FMD: Flow mediated dilatation, HDL-C: High density lipoprotein-cholesterol, HOMA-IR: Homeostasis model assessment of insulin resistance, LDL-C: Low density lipoprotein cholesterol, QUICKI: Quantitative insulin sensitivity check index. Data are expressed as median values (range); p-values are calculated using chi-square and Mann-Whitney U tests significant differences: $p < 0.05$.