

Supplementary Table 2. ANOVA comparison of anthropometric and biochemical makers according to SCORE2/SCORE2-OP risk classes.

VARIABLES	Low Risk n=85	Moderate Risk n=269	High Risk n=196	Very High Risk n=186	p-value
Events (n, %)	9 (6.8)	48 (36.4)	36 (27.3)	39 (29.5)	<0.001***
Age (years)	34.3 ± 10.4 ^{b,c,d}	51.2 ± 8.3 ^{a,c,d}	62.4 ± 6.7 ^{a,b,d}	71.6 ± 7.5 ^{a,b,c}	<0.001***
WC (cm)	88.0 ± 12.9 ^{b,c,d}	96.8 ± 15.3 ^{a,c,d}	101.0 ± 13.2 ^{a,b}	103.0 ± 12.3 ^{a,b}	<0.001***
BMI (Kg/sqm)	23.1 ± 4.8 ^{b,c,d}	27.3 ± 5.8 ^a	28.5 ± 5.1 ^a	28.4 ± 5.0 ^a	<0.001***
Glucose (mg/dL)	84.2 ± 10.8 ^{b,c,d}	98.5 ± 29.3 ^{a,c,d}	106.6 ± 32.7 ^{a,b}	112.2 ± 33.0 ^{a,b}	<0.001***
HbA1c (mmol/mol)	34.3 ± 5.5 ^{b,c,d}	39.2 ± 11.2 ^{a,c,d}	43.0 ± 12.3 ^{a,b}	44.1 ± 11.3 ^{a,b}	<0.001***
Total Cholesterol (mg/dL)	179.2 ± 34.7	190.0 ± 38.9 ^d	188.1 ± 36.5 ^d	176.4 ± 54.4 ^{b,c}	0.003**
HDL (mg/dL)	62.9 ± 13.9 ^{b,c,d}	55.5 ± 15.9 ^{a,d}	54.9 ± 16.2 ^{a,d}	49.1 ± 13.8 ^{a,b,c}	<0.001***
LDL (mg/dL)	99.6 ± 29.3 ^b	111.9 ± 35.5 ^{a,d}	109.5 ± 31.8 ^d	97.6 ± 35.7 ^{b,c}	<0.001***
Triglycerides (mg/dL)	83.5 ± 37.2 ^{b,c,d}	114.2 ± 57.4 ^{a,d}	129.1 ± 70.0 ^a	144.2 ± 99.7 ^{a,b}	<0.001***
SBP (mmHg)	112.8 ± 13.2 ^{b,c,d}	123.4 ± 14.1 ^{a,c,d}	131.6 ± 14.6 ^{a,b,d}	138.6 ± 16.6 ^{a,b,c}	<0.001***
DBP (mmHg)	73.2 ± 10.3 ^{b,c,d}	78.3 ± 9.8 ^a	80.2 ± 10.5 ^a	79.9 ± 10.9 ^a	<0.001***
Heart Rate (bpm)	70.0 ± 10.5 ^{b,c}	72.6 ± 10.5 ^{a,d}	72.8 ± 10.7 ^{a,d}	70.4 ± 9.9 ^{a,b}	0.026*
25-OH Vitamin D (ng/mL)	25.1 ± 11.5 ^d	23.6 ± 10.7 ^d	23.1 ± 12.2	20.8 ± 10.6 ^{a,b}	0.024*
AST (U/L)	23.0 ± 12.3	24.2 ± 9.5	25.0 ± 12.6	23.3 ± 9.3	0.356
ALT (U/L)	26.9 ± 11.4 ^{b,c}	32.9 ± 14.6 ^{a,d}	32.0 ± 19.2 ^a	28.4 ± 14.7 ^b	0.002**
GGT (U/L)	22.0 ± 16.2 ^{b,c,d}	36.7 ± 40.9 ^a	34.0 ± 25.2 ^a	39.4 ± 46.6 ^a	0.002**
ALP (U/L)	63.7 ± 23.3 ^b	71.9 ± 21.6 ^a	70.3 ± 16.8	73.3 ± 23.1 ^a	0.014*
Framingham Score	1.6 ± 1.4 ^{b,c,d}	8.6 ± 5.8 ^{a,c,d}	20.0 ± 10.1 ^{a,b,d}	39.7 ± 18.1 ^{a,b,c}	<0.001***
SCORE 2 / 2-OP	0.5 ± 0.3 ^{b,c,d}	2.9 ± 1.2 ^{a,c,d}	7.2 ± 1.4 ^{a,b,d}	16.5 ± 5.8 ^{a,b,c}	<0.001***

Comparisons were performed with Extended Fisher Chi-Square Test and one-way ANOVA analysis, considering European Society of Cardiology Guidelines SCORE2 < 1 was considered Low Risk; 1 ≤ SCORE2 < 5 was considered Moderate Risk; 5 ≤ SCORE2 < 10 was considered High Risk; SCORE2 ≥ 10 was considered Very High Risk. Data are presented as overall count and percentage or Mean ± SD (standard deviation). ^a Indicates significance with Low Risk; ^b Indicates significance with Moderate Risk ^c Indicates significance with High Risk; ^d Indicates significance with Very High Risk. ^{a,b,c,d} Were obtained according to Bonferroni Test. (**p*<0.05; ** *p*<0.01; *** *p*<0.001). Abbreviations: Body Mass Index, BMI; Glycosylated Hemoglobin, HbA1c; High-Density Lipoprotein, HDL; Low-Density Lipoprotein, LDL; Aspartate Transferase, AST; Alanine Transferase, ALT; Gamma-Glutamyl Transpeptidase, GGT; Alkaline phosphatase, ALP.