

# **Atherogenic index of plasma and coronary artery calcification progression beyond traditional risk factors according to baseline coronary artery calcium score**

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## FIGURE LEGENDS

**Figure 1.** Changes in CAC according to AIP quartile

(a) CAC progression; (b)  $\Delta\sqrt{\text{transformed CACS}}$  and annualized  $\Delta\sqrt{\text{transformed CACS}}$

*AIP* atherogenic index of plasma, *CAC* coronary artery calcification, *CACS* coronary artery calcification score

**Figure 2.** Changes in CAC according to AIP quartile and baseline CACS

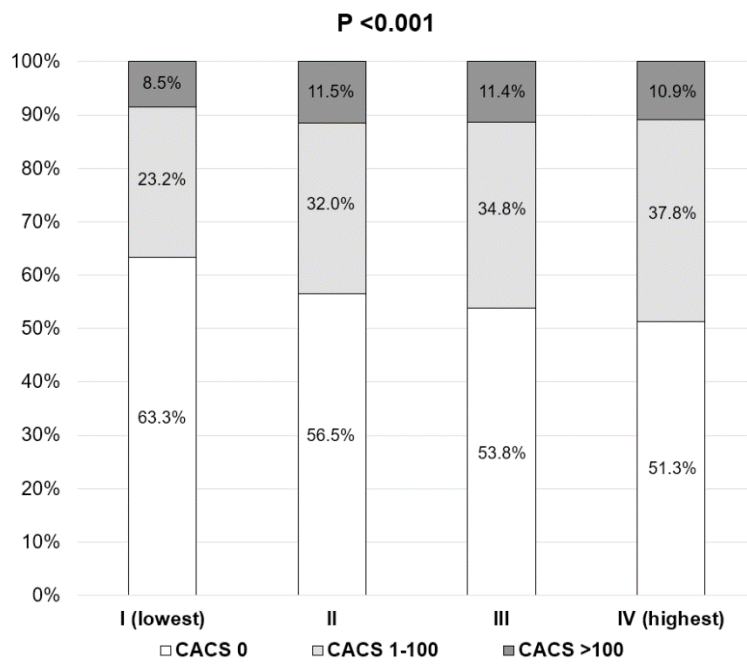
(a) CAC progression; (b) annualized  $\Delta\sqrt{\text{transformed CACS}}$

*AIP* atherogenic index of plasma, *CAC* coronary artery calcification, *CACS* coronary artery calcium score

## SUPPLEMENTARY APPENDIX

### Supplementary Figure 1. Baseline CACS according to AIP quartiles

*AIP* atherogenic index of plasma, *CACS* coronary artery calcium score



**Supplementary Table 1.** Clinical characteristics according to CAC progression

	No CAC progression (n = 8,557)	CAC progression (n = 3,769)	P
Age, years	50.2 ± 8.2	55.0 ± 8.1	<0.001
Male, n (%)	6,924 (80.9)	3,458 (91.7)	<0.001
Systolic BP, mmHg	118.9 ± 14.8	121.1 ± 15.4	<0.001
Diastolic BP, mmHg	74.8 ± 10.6	75.7 ± 10.4	<0.001
BMI, kg/m <sup>2</sup>	24.3 ± 2.8	25.0 ± 2.7	<0.001
Traditional risk factors			
Hypertension, n (%)	2,334 (28.3)	1,682 (45.5)	<0.001
Diabetes, n (%)	904 (10.6)	799 (21.2)	<0.001
Hyperlipidemia, n (%)	2,100 (24.5)	1,355 (36.0)	<0.001
Obesity, n (%)	3,319 (39.0)	1,859 (49.4)	<0.001
Current smoking, n (%)	2,195 (28.0)	1,034 (29.7)	0.054
Laboratory			
Total cholesterol, mg/dL	197.1 ± 33.7	198.3 ± 34.9	<0.001
Triglyceride, mg/dL	136.0 ± 87.2	154.6 ± 93.0	<0.001
HDL-C, mg/dL	53.8 ± 16.4	52.4 ± 14.9	<0.001
LDL-C, mg/dL	120.5 ± 31.4	125.2 ± 32.2	<0.001

Fasting glucose, mg/dL	96.1 ± 18.6	101.6 ± 23.3	<0.001
HbA1C, %	5.6 ± 0.7	5.8 ± 0.8	<0.001
AIP	0.355 ± 0.298	0.425 ± 0.284	<0.001

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Values are presented as the mean ± standard deviation or number (%).

*AIP* atherogenic index of plasma, *BMI* body mass index, *BP* blood pressure, *HbA1C* glycated hemoglobin A1C, *HDL-C* high-density lipoprotein cholesterol, *LDL-C* low-density lipoprotein cholesterol