

**Supplementary Table 5.** Multivariable Cox regression analysis between atherogenic indices and kidney outcome in individuals without CKD (baseline eGFR of  $\geq 60$  mL/min/ $1.73$  m<sup>2</sup> or no albuminuria at baseline)

Atherogenic indices	Model 1		Model 2		Model 3	
	HR (95% CI)	p-value	HR (95% CI)	p-value	HR (95% CI)	p-value
AIP per 1.0 increase	1.30 (1.03–1.66)	0.03	1.72 (1.35–2.20)	<0.001	1.73 (1.34–2.22)	<0.001
Q1	(Reference)		(Reference)		(Reference)	
Q2	1.02 (0.85–1.23)	0.81	1.10 (0.92–1.33)	0.31	1.12 (0.93–1.36)	0.23
Q3	0.98 (0.81–1.18)	0.80	1.03 (0.85–1.25)	0.74	0.96 (0.79–1.16)	0.66
Q4	1.23 (1.03–1.47)	0.03	1.47 (1.23–1.77)	<0.001	1.48 (1.23–1.79)	<0.001
TC/HDL-C per 1.0 increase	0.97 (0.92–1.03)	0.33	1.02 (0.97–1.08)	0.44	1.07 (1.00–1.13)	0.05
Q1	(Reference)		(Reference)		(Reference)	
Q2	0.96 (0.80–1.15)	0.64	0.98 (0.82–1.17)	0.80	1.09 (0.91–1.31)	0.33
Q3	0.94 (0.78–1.12)	0.48	1.01 (0.84–1.21)	0.95	1.19 (0.98–1.43)	0.07
Q4	0.85 (0.71–1.03)	0.10	1.01 (0.84–1.23)	0.89	1.10 (0.91–1.34)	0.31
LDL-C/HDL-C per 1.0 increase	0.91 (0.85–0.98)	0.01	0.97 (0.90–1.05)	0.43	1.07 (0.99–1.15)	0.08
Q1	(Reference)		(Reference)		(Reference)	
Q2	0.95 (0.80–1.14)	0.60	0.94 (0.79–1.12)	0.48	1.03 (0.86–1.23)	0.73
Q3	0.98 (0.82–1.17)	0.82	0.97 (0.81–1.16)	0.75	1.12 (0.94–1.35)	0.21
Q4	0.75 (0.62–0.91)	0.004	0.88 (0.72–1.06)	0.18	1.10 (0.90–1.34)	0.35
Non-HDL-C/HDL-C per 1.0 increase	0.97 (0.92–1.03)	0.33	1.02 (0.97–1.08)	0.44	1.07 (1.00–1.13)	0.05
Q1	(Reference)		(Reference)		(Reference)	
Q2	0.96 (0.80–1.15)	0.64	0.98 (0.82–1.17)	0.80	1.09 (0.91–1.31)	0.33
Q3	0.94 (0.78–1.12)	0.48	1.01 (0.84–1.21)	0.95	1.19 (0.98–1.43)	0.07
Q4	0.85 (0.71–1.03)	0.10	1.01 (0.84–1.23)	0.89	1.10 (0.91–1.34)	0.31

Model 1: unadjusted model; model 2: adjusted for age and sex; model 3: adjusted for age, sex, smoking, and alcohol status, body mass index, systolic blood pressure, hemoglobin, eGFR rate (Chronic Kidney Disease-Epidemiology Collaboration equation), use of lipid-lowering agents, past histories of hypertension, diabetes mellitus, coronary artery disease, cerebral infarction, dyslipidemia, and fatty liver.

AIP, atherogenic index of plasma; CI, confidence interval; CKD, chronic kidney disease; eGFR, estimated glomerular filtration rate; HDL-C, high-density lipoprotein cholesterol; HR, hazard ratio; LDL-C, low-density lipoprotein cholesterol; TC, total cholesterol.