

Online Appendix Table 1— Basic Characteristics of the Study Participants

	Men (n=607)			Women (n=1,042)		
	ACR < 30mg/g	ACR ≥ 30mg/g	p value	ACR < 30mg/g	ACR ≥ 30mg/g	p value
n (%)	580 (96.5)	27 (4.5)	-	974 (93.5)	68 (6.5)	-
ACR(mg/g)	4.0 (2.0-7.3)	48.2 (39.1-96.3)	<0.0001	5.1 (2.6-9.4)	48.7 (38.4-95.7)	<0.0001
Serum fetuin-A (mg/l)	292.5 (235.3-368.3)	302.3 (246.4-374.8)	0.93	280.4 (232.9-351.7)	314.3 (261.4-390.2)	0.007
Age (years)	60.2 ± 9.3	65.3 ± 10.6	0.006	57.6 ± 9.2	59.9 ± 10.3	0.04
BMI (kg/m ²)	24.3 ± 3.2	25.8 ± 3.1	0.03	24.4 ± 3.4	25.2 ± 3.8	0.07
SBP (mmHg)	133.3 ± 20.2	149.7 ± 25.3	<0.0001	129.8 ± 19.8	142.3 ± 22.8	<0.0001
DBP (mmHg)	78.8 ± 10.2	83.9 ± 11.8	0.01	75.5 ± 9.4	78.0 ± 9.4	0.04
FPG (mmol/l)	4.8 (4.5-5.1)	4.9 (4.5-5.1)	0.27	4.8 (4.6-5.1)	4.8 (4.5-5.1)	0.51
2h PPG (mmol/l)	6.0 (5.0-7.0)	6.2 (5.7-6.9)	0.08	6.1 (5.3-6.8)	6.1 (5.2-6.8)	0.99
HOMA-IR	1.1 (0.7-1.6)	1.7 (1.1-2.5)	0.003	1.3 (0.9-1.9)	1.4 (0.9-2.2)	0.12
TG (mmol/l)	1.5 ± 1.2	1.9 ± 1.4	0.10	1.4 ± 0.9	1.5 ± 0.8	0.25
TC (mmol/l)	4.8 ± 0.9	4.6 ± 0.6	0.29	5.2 ± 0.9	5.1 ± 0.9	0.31
LDL-C (mmol/l)	2.3 ± 0.6	2.3 ± 0.5	0.68	2.3 ± 0.7	2.3 ± 0.7	0.99
HDL-C (mmol/l)	1.3 ± 0.3	1.1 ± 0.2	0.02	1.5 ± 0.3	1.4 ± 0.3	0.06
hs-CRP (mg/l)	0.15 (0.05-0.60)	0.19 (0.08-0.64)	0.40	0.11 (0.04-0.41)	0.13 (0.04-0.60)	0.48
eGFR (ml/min per 1.73 m ²)	74.8 (66.1-83.6)	60.1 (51.9-78.2)	0.005	74.3 (65.5-85.1)	76.5 (61.3-85.3)	0.19
Current smoking, n (%)	325 (56.1)	13 (48.2)	0.18	22 (2.3)	4 (5.9)	0.18
Current alcohol consumption, n (%)	215 (37.1)	5 (18.5)	0.14	64 (6.6)	2 (2.9)	0.19
Family history of diabetes, n (%)	66 (11.4)	6 (22.2)	0.09	137 (14.1)	13 (19.1)	0.25

Data are means ± standard deviation or medians (interquartile ranges) or numbers (proportions). P values were calculated from χ^2 tests for categorical variables and standard normal z-tests for continuous variables.

ACR, albumin-to-creatinine ratio; BMI, body mass index; SBP, systolic blood pressure; DBP, diastolic blood pressure; FPG, fasting plasma glucose; PPG, postchallenge plasma glucose; HOMA-IR, homeostasis model assessment of insulin resistance; TG, triglycerides; TC, total cholesterol; LDL-C, low-density lipoprotein cholesterol; HDL-C, high-density lipoprotein cholesterol; hs-CRP, high sensitive C-reactive protein; eGFR, estimated glomerular filtration rate.

Online Appendix Figure 1. Prevalence of abnormal albuminuria across quartiles of serum fetuin-A concentrations by sex (A for men and B for women).

