Supplement Table 1. Subgroup Analysis of Non-hypertension Patients: Univariate and Multivariate Analyses of Factors Associated with Increased Albuminuria.

	Men (n = 314)					Women (n = 330)			
	Univariate Model		Multivariate Model			Univariate Model		Multivariate Model	
	OR (95% CI)	p-value	OR (95% CI)	p-value		OR (95% CI)	p-value	OR (95% CI)	p-value
Age		0.638					0.554		
50-59	1.00 (Reference)					1.00 (Reference)			
60-69	1.116 [0.451,2.761]	0.811				1.29 [0.48,3.467]	0.613		
70-79	1.712 [0.661,4.434]	0.267				1.316 [0.422,4.099]	0.635		
80-	1.985 [0.393,10.014]	0.406				2.813 [0.69,11.472]	0.149		
BMI		0.075					0.430		
< 18.5	1.00 (Reference)					1.00 (Reference)			
18.5≤ <23.0	1.47 [0.178,12.161]	0.721				0.853 [0.099,7.375]	0.885		
23.0≤ <25	0.585 [0.061,5.642]	0.642				0.518 [0.053,5.059]	0.571		
≥ 25	2.641 [0.317,21.99]	0.369				1.36 [0.16,11.565]	0.778		
Current Smoking		0.134					0.909		
(Current vs. Never)	2.202 [0.615,7.878]	0.224				0.794 [0.1,6.284]	0.827		
(Past vs. Never)	1.026 [0.269,3.909]	0.970				1.489 [0.178,12.43]	0.713		
Alcohol intake >3 Unit/d	0.319 [0.074,1.379]	0.126				NA	NA		
Physical activity	1.36 [0.597,3.098]	0.464				0.984 [0.355,2.726]	0.974		
Diabetes	5.896 [2.459,14.137]	<.0001	5.265[2.013,13.774]	0.0007		1.051 [0.233,4.74]	0.948		

Dyslipidaemia	2.297 [1.043,5.057]	0.038	2.046[0.82,5.106]	0.125		1.476 [0.618,3.529]	0.381		
History of CVD	1.664 [0.459,6.031]	0.438				NA	NA		
Metabolic syndrome	2.595 [1.189,5.664]	0.016	1.046[0.382,2.859]	0.931		1.103 [0.46,2.649]	0.825		
Vitamin D deficiency (<20 ng/ml))	1.034 [0.972,1.099]	0.285				1.02 [0.955,1.089]	0.561		
Estrogen replacement	_	_	_	_		0.257 [0.034,1.95]	0.188		
eGFR <60ml/min/1.73m^2	0.986 [0.962,1.011]	0.272				1.022 [0.994,1.05]	0.127		
Skeletal muscle mass		0.236					0.569		
Normal SMI	1.00 (Reference)					1.00 (Reference)			
Mild LMM	1.597 [0.67,3.807]	0.290				1.592 [0.674,3.764]	0.289		
Severe LMM	3.462 [0.657,18.238]	0.142				NA	NA		

Supplement Table 2. Subgroup Analysis of Diabetes Patients: Univariate and Multivariate Analyses of Factors associated with Increased Albuminuria.

	Men (n = 75)					Women (n = 83)			
	Univariate Model		Multivariate Model			Univariate Model		Multivariate Model	
	OR (95% CI)	p-value	OR (95% CI)	p-value		OR (95% CI)	p-value	OR (95% CI)	p-value
Age		0.997					NA		
50-59	1.00 (Reference)					NA	NA		
60-69	0.952 [0.317,2.858]	0.931				NA	NA		
70-79	1.091 [0.304,3.91]	0.894				NA	NA		
80-	NA	NA				NA	NA		
BMI		0.377							
< 18.5	NA					1.00 (Reference)	0.529		
18.5≤ <23.0	1.00 (Reference					0.105 [0.005,2.41]	0.158		
23.0≤ <25	0.545 [0.158,1.885]	0.338				0.235 [0.012,4.621]	0.340		
≥ 25	0.463 [0.149,1.434]	0.181				0.171 [0.009,3.126]	0.233		
Current Smoking		0.665					0.624		
(Current vs. Never)	2.139 [0.375,12.202]	0.392				2.4 [0.408,14.107]	0.332		
(Past vs. Never)	1.615 [0.291,8.966]	0.583				1.2 [0.127,11.374]	0.873		
Alcohol intake >3 Unit/d	1.985 [0.588,6.697]	0.269				NA	NA		
Physical activity	0.835 [0.276,2.519]	0.748				2.1 [0.484,9.107]	0.321		

Hypertension	1.05 [0.396,2.784]	0.922				2.582 [0.529,12.608]	0.241		
Dyslipidaemia	1.324 [0.438,3.999]	0.619				1.366 [0.328,5.692]	0.668		
History of CVD	1.026 [0.334,3.155]	0.963				2.4 [0.544,10.595]	0.247		
Metabolic syndrome	1.319 [0.44,3.955]	0.620				0.687 [0.129,3.673]	0.660		
Vitamin D deficiency (<20 ng/ml))	1.025[0.935,1.124]	0.595				1.006[0.938,1.078]	0.872		
Estrogen replacement	_	_	_	_		0.774[0.087,6.872]	0.818		
eGFR <60ml/min/1.73m^2	0.995[0.972,1.018]	0.658				0.974[0.943,1.006]	0.111		
Skeletal muscle mass		0.218					0.617		
Normal SMI	1.00 (Reference)					1.00 (Reference)			
Mild LMM	1.435[0.517,3.982]	0.487				1.224[0.345,4.35]	0.754		
Severe LMM	7.75[0.732,82.017]	0.088				0.396[0.044,3.532]	0.406		

Supplement Table 3. Subgroup Analysis of Metabolic Syndrome Patients: Univariate and Multivariate Analyses of Factors Associated with Increased Albuminuria.

	Men (n = 175)					Women (n = 285)			
	Univariate Model		Multivariate Model			Univariate Model		Multivariate Model	
	OR (95% CI)	p-value	OR (95% CI)	p-value		OR (95% CI)	p-value	OR (95% CI)	p-value
Age		0.901					0.618		
50-59	1.00 (Reference)					1.00 (Reference)			
60-69	1.14 [0.489,2.66]	0.761				0.815 [0.318,2.085]	0.669		
70-79	1.444 [0.558,3.742]	0.449				0.899 [0.357,2.265]	0.821		
80-	NA	NA				1.905 [0.512,7.085]	0.336		
BMI							0.667		
< 18.5	1.00 (Reference)					1.00 (Reference)			
18.5≤ <23.0	NA	NA				0.213 [0.016,2.783]	0.238		
23.0≤ <25	NA	NA				0.323 [0.027,3.897]	0.373		
≥ 25	NA	NA				0.282 [0.024,3.25]	0.309		
Current Smoking		0.318					0.561		
(Current vs. Never)	3.332 [0.701,15.852]	0.130				1.132 [0.244,5.253]	0.874		
(Past vs. Never)	2.793 [0.599,13.027]	0.191				2.452 [0.474,12.686]	0.284		
Alcohol intake >3 Unit/d	0.985 [0.369,2.628]	0.975				NA	NA		
Physical activity	0.964 [0.415,2.24]	0.933				1.829 [0.799,4.186]	0.152		
Diabetes	2.991 [1.415,6.321]	0.004	2.826 [1.306,6.112]	0.008		1.339 [0.621,2.887]	0.455		

Hypertension	1.38 [0.64,2.976]	0.410				1.887 [0.823,4.327]	0.133		
Dyslipidaemia	1.235 [0.432,3.531]	0.693				1.464 [0.668,3.208]	0.341		
History of CVD	1.757 [0.7,4.409]	0.230				0.703 [0.203,2.436]	0.577		
Vitamin D deficiency (<20 ng/ml))	1.03 [0.968,1.095]	0.354				0.988 [0.936,1.043]	0.664		
Estrogen replacement	_	_	_	_		0.542 [0.158,1.862]	0.330		
eGFR <60ml/min/1.73m^2	0.975 [0.953,0.998]	0.031	0.976 [0.953,0.998]	0.034		0.993 [0.972,1.014]	0.507		
Skeletal muscle mass		0.055					0.911		
Normal SMI	1.00 (Reference)					1.00 (Reference)			
Mild LMM	0.909 [0.405,2.042]	0.817				1.183 [0.549,2.551]	0.667		
Severe LMM	3.646 [1.169,11.37]	0.025				1.062 [0.39,2.894]	0.905		