

eTable 1. Hazard ratios for the incidence of cholelithiasis according to the three groups of urine protein level in gender subgroups (men and women)

	HR (95% CI) ^a			
	Men (n=117,266)		Women (n=90,090)	
	Unadjusted	Adjusted model	Unadjusted	Adjusted model
Urine protein level				
negative	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)
mild	1.02 (0.76–1.45)	0.85 (0.59 –1.22)	1.26 (0.86–1.86)	1.13 (0.76 –1.69)
heavy	1.65 (1.15–2.37)	1.31 (0.89–1.92)	1.95 (1.25–3.04)	1.68 (1.06–2.65)
P for trend	0.010	0.175	0.003	0.018
Age		1.05 (1.04–1.06)		1.03 (1.02–1.04)
BMI		1.067 (1.049–1.086)		1.045 (1.026–1.064)
Systolic BP		0.993 (0.990–0.997)		0.997 (0.993–1.001)
Fasting blood glucose		1.001 (0.999–1.003)		1.000 (0.997–1.002)
Total cholesterol		0.998 (0.997–0.999)		0.999 (0.998–1.001)
GGT		1.002 (1.002–1.003)		1.004 (1.003–1.004)

eGFR	1.002 (0.999–1.004)	1.000 (0.997–1.003)
Smoking amount, pack-years	1.003 (1.000–1.006)	1.014 (0.998–1.031)
Alcohol intake	1.084 (0.962–1.222)	1.591 (0.996–2.541)
Physical activity	0.973 (0.860–1.101)	0.988 (0.841–1.160)

BMI, body mass index; BP, blood pressure; CI, confidence interval; eGFR, estimated glomerular filtration rate; GGT, gamma glutamyl transferase; HR, hazard ratio.

^aMultivariate adjusted model was adjusted for age, BMI, systolic BP, fasting blood glucose, total cholesterol, GGT, eGFR, smoking amount (pack-years), alcohol intake, and physical activity.

Negative: urine dipstick proteinuria 0, mild: urine dipstick proteinuria 1+, heavy: urine dipstick proteinuria $\geq 2+$

eTable 2. Hazard ratios for the incidence of cholelithiasis according to the three groups of urine protein level in age subgroups of ≤ 55 years and ≥ 56 years

	HR (95% CI) ^a			
	Age ≤ 55 years (n=101,428)		Age ≥ 56 years (n=105,928)	
	Unadjusted	Adjusted model	Unadjusted	Adjusted model
Urine protein level				
negative	1.00 (reference)	1.00 (reference)	1.00 (reference)	1.00 (reference)
mild	1.00 (0.61–1.64)	0.99 (0.61–1.63)	1.11 (0.82–1.50)	0.95 (0.69–1.30)
heavy	1.70 (1.00–2.87)	1.47 (0.85–2.55)	1.68 (1.21–2.34)	1.44 (1.01–2.03)
P for trend	0.056	0.142	0.003	0.046
Age		1.06 (1.03–1.09)		1.04 (1.03–1.04)
Gender (female vs. male)		1.09 (0.93–1.27)		0.88 (0.79–0.98)
BMI		1.070 (1.047–1.094)		1.049 (1.033–1.065)
Systolic BP		0.991 (0.987–1.003)		0.996 (0.993–0.999)
Fasting blood glucose		1.001 (0.998–1.003)		1.001 (0.999–1.002)

Total cholesterol	0.999 (0.997–1.001)	0.998 (0.997–1.000)
GGT	1.002 (1.001–1.003)	1.003 (1.002–1.003)
eGFR	1.002 (0.999–1.006)	1.000 (0.997–1.003)
Smoking amount, pack-years	1.005 (0.999–1.010)	1.003 (1.000–1.006)
Alcohol intake	1.090 (0.903–1.316)	1.153 (0.996–1.333)
Physical activity	1.072 (0.898–1.280)	0.930 (0.827–1.047)

BMI, body mass index; BP, blood pressure; CI, confidence interval; eGFR, estimated glomerular filtration rate; GGT, gamma glutamyl transferase; HR, hazard ratio.

^aMultivariate adjusted model was adjusted for age, gender, BMI, systolic BP, fasting blood glucose, total cholesterol, GGT, eGFR, smoking amount (pack-years), alcohol intake, and physical activity.

Negative: urine dipstick proteinuria 0, mild: urine dipstick proteinuria 1+, heavy: urine dipstick proteinuria $\geq 2+$