

Supplementary Table 3. Mean differences (B [95% CI]) in kidney damage indices among the quartiles of AUC_{glu} in 471 patients with well-controlled T2DM (HbA1c <7.0%)

Model	Q1	Q2	Q3	Q4	P value for trend
AUC _{glu} , pg/mL·hr	68–306	308–380	381–482	483–1,603	-
Number	120	117	116	118	-
eGFR, mL/min/1.73 m ²	109.81±22.43	92.48±21.95	90.61±23.41	90.09±24.33	<0.001
Model 0	0-reference	-17.33 (-23.21 to -11.45)	-19.20 (-25.10 to -13.30)	-19.72 (-25.60 to -13.85)	<0.001
Model 1	0-reference	-14.24 (-19.31 to -9.164)	-15.64 (-20.72 to -10.56)	-15.84 (-20.94 to -10.75)	<0.001
Model 2	0-reference	-12.83 (-17.73 to -7.933)	-12.68 (-17.63 to -7.729)	-13.23 (-18.19 to -8.272)	<0.001
Model 3	0-reference	-12.88 (-17.74 to -8.033)	-12.22 (-17.11 to -7.330)	-12.95 (-17.87 to -8.033)	<0.001
Log ₁₀ UACR, mg/g	1.191±0.376	1.355±0.394	1.463±0.494	1.557±0.438	<0.001
Model 0	0-reference	0.164 (0.055 to 0.273)	0.273 (0.163 to 0.382)	0.367 (0.258 to 0.476)	<0.001
Model 1	0-reference	0.140 (0.036 to 0.244)	0.253 (0.149 to 0.358)	0.347 (0.243 to 0.452)	<0.001
Model 2	0-reference	0.117 (0.017 to 0.218)	0.199 (0.097 to 0.301)	0.278 (0.176 to 0.380)	<0.001
Model 3	0-reference	0.107 (0.005 to 0.209)	0.188 (0.085 to 0.292)	0.277 (0.174 to 0.381)	<0.001

Values are presented as range, number, mean ± standard deviation, or mean difference (95% confidence interval).

Model 0: crude; Model 1: adjusted for age, sex, diabetic duration, body mass index, systolic blood pressure, diastolic blood pressure, statins medication, and hypertension; Model 2: additionally adjusted for lipid profiles, serum uric acid, serum albumin, hemoglobin, homeostasis model assessment of insulin resistance using C-peptide, area under the C-peptide curve, area under the glucose curve, postchallenge 2-hour glucose, and HbA1c; Model 3: additionally adjusted for glucose-lowering therapies.

CI, confidence interval; AUC_{glu}, area under the glucagon curve; T2DM, type 2 diabetes mellitus; HbA1c, glycosylated hemoglobin; eGFR, estimated glomerular filtration rate; UACR, urinary albumin-to-creatinine ratio.