

Supplementary Table 2. Univariable and multivariable analysis for HP grading effect to glycemic progression using Cox proportional hazard model

Variable	Univariable analysis		Multivariable analysis ^{a)}	
	Hazard ratio (95% CI)	P-value	Hazard ratio (95% CI)	P-value
Mild HP	3.668 (1.755–7.665)	<0.001	2.718 (1.282–5.761)	0.009
Moderate HP	14.739 (7.458–29.127)	<0.001	6.365 (3.061–13.232)	<0.001
Severe HP	29.469 (14.951–58.085)	<0.001	8.984 (4.232–19.075)	<0.001
NAFLD	4.714 (3.596–6.178)	<0.001	1.459 (1.049–2.029)	0.025
Sex	0.592 (0.455–0.770)	<0.001	0.818 (0.512–1.305)	0.398
Age	1.031 (1.020–1.042)	<0.001	0.989 (0.974–1.004)	0.148
Weight (kg)	1.048 (1.039–1.058)	<0.001	0.992 (0.964–1.020)	0.569
BMI (kg/m ²)	1.221 (1.184–1.259)	<0.001	1.068 (0.975–1.169)	0.155
Waist (cm)	1.081 (1.068–1.094)	<0.001	0.995 (0.962–1.029)	0.774
SBP (mm Hg)	1.038 (1.029–1.046)	<0.001	1.002 (0.985–1.020)	0.792
DBP (mm Hg)	1.043 (1.033–1.054)	<0.001	1.006 (0.987–1.027)	0.525
GLC	1.063 (1.056–1.070)	<0.001	1.042 (1.032–1.052)	<0.001
HbA1c	9.993 (7.169–13.929)	<0.001	2.220 (1.469–3.357)	<0.001
TG (mg/dL)	1.005 (1.004–1.006)	<0.001	1.001 (0.998–1.004)	0.507
Cr (mg/dL)	0.605 (0.300–1.218)	0.159	0.217 (0.079–0.595)	0.003
BUN (mg/dL)	1.046 (1.015–1.079)	0.003	1.007 (0.969–1.047)	0.710
LDL level	1.004 (1.000–1.007)	0.046	0.996 (0.982–1.010)	0.573
HDL level	0.965 (0.953–0.977)	<0.001	0.996 (0.977–1.015)	0.655
Total cholesterol	1.006 (1.003–1.009)	<0.001	1.003 (0.990–1.017)	0.609

HP, hyperechoic pancreas; CI, confidence interval; NAFLD, nonalcoholic fatty liver disease; BMI, body mass index; SBP, systolic blood pressure; DBP, diastolic blood pressure; GLC, fasting blood glucose; HbA1c, plasma hemoglobin A1c; TG, triglyceride; Cr, creatinine; BUN, blood urea nitrogen; LDL, low density lipoprotein; HDL, high density lipoprotein.

^{a)}Fully adjusted model, adjusted for each group, age, sex, weight, BMI, waist circumference, SBP, DBP, TG, Cr, BUN, LDL, HDL, total cholesterol, GLC (fasting blood glucose), and HbA1c.