

Supplementary Table 3. Univariate and multivariate competing risk analyses for the development of LC complication after 1-year CT

Variable	Univariate		Multivariable			
	SHR (95% CI)	P-value	aSHR (95% CI)	P-value	aSHR (95% CI)	P-value
Age (years)	1.02 (0.99–1.05)	0.27				
Gender, male	1.05 (0.67–1.65)	0.82				
BMI (kg/m ²)	0.95 (0.88–1.03)	0.21				
HTN	1.77 (1.15–2.74)	0.01	2.02 (1.23–3.31)	<0.01	1.90 (1.20–3.00)	<0.01
DM	1.81 (1.18–2.76)	<0.01	1.17 (0.71–1.93)	0.54	1.12 (0.70–1.79)	0.65
Alcohol-related	4.45 (2.91–6.78)	<0.01	2.00 (1.25–3.23)	<0.01	2.24 (1.43–3.51)	<0.01
Hepatitis B	0.20 (0.13–0.33)	<0.01	0.36 (0.20–0.66)	<0.01	0.33 (0.18–0.59)	<0.01
Hepatitis C	0.48 (0.15–1.49)	0.20				
Platelets (10 ⁹ /L)	0.99 (0.98–0.99)	<0.01	1.00 (0.99–1.00)	0.09	0.99 (0.99–1.00)	<0.01
Albumin (g/dL)	0.14 (0.10–0.20)	<0.01	0.34 (0.18–0.63)	<0.01	0.33 (0.18–0.60)	<0.01
AST (U/L)	1.01 (1.00–1.01)	<0.01	1.01 (1.00–1.01)	<0.01	1.00 (1.00–1.01)	<0.01
ALT (U/L)	1.01 (1.00–1.01)	<0.01	0.99 (0.98–1.00)	0.08	0.99 (0.99–1.00)	0.04
Bilirubin (mg/dL)	1.67 (1.39–2.01)	<0.01	0.98 (0.75–1.27)	0.88		
Prothrombin time (INR)	17.86 (9.38–34.16)	<0.01	0.81 (0.21–3.14)	0.76		
Creatinine (mg/dL)	0.50 (0.12–2.16)	0.35				
eGFR (mL/min/1.73 m ²)	1.01 (1.00–1.03)	0.04	1.00 (0.99–1.01)	0.94	1.00 (0.99–1.01)	0.75
Sodium (mmol/L)	0.82 (0.77–0.87)	<0.01	0.97 (0.89–1.06)	0.49	0.93 (0.86–1.01)	0.07
Ascites	11.78 (7.24–19.10)	<0.01	1.99 (0.92–4.32)	0.08		
Child-Pugh score	1.76 (1.60–1.94)	<0.01			1.35 (1.18–1.56)	<0.01
Child-Pugh class, B/C	10.62 (6.69–16.85)	<0.01				
MELD-Na score	1.25 (1.20–1.31)	<0.01			0.99 (0.91–1.08)	0.84
Sarcopenia	1.30 (0.77–2.19)	0.33				
SMI (cm ² /m ²)	0.98 (0.96–1.01)	0.18				
ΔSMI/yr% (%)	0.95 (0.93–0.97)	<0.01	0.96 (0.92–0.99)	<0.01	0.96 (0.93–0.99)	<0.01

The values of variables derived from the data at 1-year CT.

Model 1, multivariable Cox regression analysis with HTN, DM, alcohol, hepatitis B, platelet count, albumin, AST, ALT, bilirubin, INR, eGFR, sodium, presence of ascites, and ΔSMI/yr%, which showed *P*<0.10 in univariate analyses, except for the conventional prognostic models including Child-Pugh and MELD-Na scores; model 2, multivariable Cox regression analysis with model 1 and Child-Pugh score but excluding the components of Child-Pugh score; model 3, multivariable Cox regression analysis with model 1 and MELD-Na score, but excluding the components of the MELD-Na score.

LT, liver transplantation; CT, computed tomography; SHR, sub-distribution hazard ratio; CI, confidence interval; aSHR, adjusted sub-distribution hazard ratio; BMI, body mass index; HTN, hypertension; DM, diabetes mellitus; AST, aspartate aminotransferase; ALT, alanine aminotransferase; INR, international normalized ratio; eGFR, estimated glomerular filtration rate; MELD, model for end-stage liver disease; SMI, skeletal muscle index; ΔSMI/yr%, % change in SMI after 1 year.