

S2 Table. Univariate analysis of recurrence-free survival and overall survival

Variable	Recurrence-free survival		Overall survival	
	Hazard ratio (95% CI)	p-value	Hazard ratio (95% CI)	p-value
Age (yr)	1.00 (0.99-1.01)	0.541	1.00 (0.99-1.02)	0.640
Sex (female: male)	0.79 (0.55-1.15)	0.221	0.53 (0.31-0.92)	0.023
Haemoglobin (> 128 g/L:≤ 128 g/L)	0.67 (0.51-0.87)	0.003	0.69 (0.50-0.95)	0.024
TBIL (> 12.5 μmol/L:≤ 12.5 μmol/L)	1.36 (1.07-1.73)	0.011	1.59 (1.17-2.16)	0.003
PT (> 12.8 sec: ≤ 12.8 sec)	1.69 (1.34-2.12)	< 0.001	1.74 (1.31-2.32)	< 0.001
INR (> 1.08: ≤ 1.08)	1.74 (1.38-2.19)	< 0.001	1.73 (1.29-2.32)	< 0.001
α-Fetoprotein (μg/L)				
≤ 20	1.00		1.00	
20-200	1.18 (0.84-1.65)	0.336	1.31 (0.84-2.06)	0.235
> 200	1.68 (1.27-2.21)	< 0.001	2.41 (1.67-3.47)	< 0.001
Performance status (≥ 1:0)	1.22 (0.76-1.97)	0.405	1.86 (1.11-3.11)	0.018
Child-Pugh score (B:A)	1.50 (0.96-2.34)	0.075	2.32 (1.46-3.69)	< 0.001
BCLC stage				
0/A	1.00		1.00	
B	1.47 (1.03-2.10)	0.036	1.32 (0.80-2.18)	0.270
C	2.58 (2.01-3.31)	< 0.001	3.69 (2.70-5.04)	< 0.001
No. of tumors				
1	1.00		1.00	
2-3	1.43 (1.05-1.94)	0.024	1.23 (0.82-1.83)	0.315
> 3	2.45 (1.76-3.41)	< 0.001	2.22 (1.51-3.28)	< 0.001
Tumor diameter (> 5 cm:≤ 5 cm)	1.81 (1.42-2.31)	< 0.001	2.71 (1.93-3.79)	< 0.001
Tumor differentiation (III-IV:I-II)	1.07 (0.80-1.42)	0.659	1.30 (0.93-1.82)	0.128
Cirrhosis (yes:no)	1.08 (0.85-1.37)	0.538	1.24 (0.92-1.68)	0.161
Satellite lesions (yes:no)	2.27 (1.73-2.99)	< 0.001	3.34 (2.45-4.57)	< 0.001
Microvascular invasion (yes:no)	2.06 (1.63-2.60)	< 0.001	2.96 (2.21-3.97)	< 0.001
Macrovascular invasion (yes:no)	2.52 (1.97-3.22)	< 0.001	3.73 (2.79-4.99)	< 0.001
Tumor capsule				
Complete	1.00		1.00	
Incomplete	1.85 (1.37-2.50)	< 0.001	2.45 (1.74-3.46)	< 0.001
Absence	3.12 (1.38-7.05)	0.006	1.73 (0.43-6.99)	0.443
Resection margin (≤ 1 cm:> 1 cm)	3.27 (1.21-8.87)	0.020	2.77 (0.88-8.71)	0.081
NLR (> 1.91:≤ 1.91)	1.69 (1.34-2.14)	< 0.001	1.71 (1.27-2.30)	< 0.001
PLR (> 108.56:≤ 108.56)	1.63 (1.29-2.05)	< 0.001	1.79 (1.34-2.38)	< 0.001
LMR (> 3.79:≤ 3.79)	0.64 (0.50-0.81)	< 0.001	0.56 (0.41-0.76)	< 0.001
GPR (> 0.94:≤ 0.94)	1.89 (1.50-2.38)	< 0.001	2.16 (1.61-2.89)	< 0.001
SII (> 202.14:≤ 202.14)	1.64 (1.23-2.18)	0.001	1.54 (1.07-2.22)	0.020
PNI (> 48.69:≤ 48.69)	0.65 (0.51-0.82)	< 0.001	0.53 (0.39-0.71)	< 0.001
APRI (> 0.24:≤ 0.24)	1.40 (1.11-1.76)	0.004	1.70 (1.27-2.28)	< 0.001
ANRI (> 12.82:≤ 12.82)	1.36 (1.08-1.71)	0.009	1.53 (1.15-2.04)	0.004
ALRI (> 24.41:≤ 24.41)	1.70 (1.35-2.15)	< 0.001	1.83 (1.37-2.45)	< 0.001

CI, confidence interval; TBIL, total bilirubin; PT, prothrombin time; INR, international normalized ratio; BCLC, Barcelona Clinic Liver Cancer; NLR, neutrophil to lymphocyte ratio; PLR, platelet to lymphocyte ratio; LMR, lymphocyte to monocyte ratio; GPR, gamma-glutamyl transpeptidase to platelet ratio; SII, systemic immune-inflammation index; PNI, prognostic nutritional index; APRI, aspartate aminotransferase (AST) to platelet ratio index; ANRI, AST to neutrophil ratio index; ALRI, AST to lymphocyte ratio index.