

**Supplementary Table 2.** Risk factors for HCC recurrence and mortality in non-cirrhotic patients by univariate analysis

Variable	HCC recurrence		Mortality	
	OR (95% CI)	P-value	OR (95% CI)	P-value
Female sex	0.348 (0.107–1.133)	0.080	0.844 (0.109–6.537)	0.871
Age	1.010 (0.971–1.051)	0.611	0.959 (0.905–1.016)	0.158
Anatomical resection	0.603 (0.315–1.157)	0.128	1.209 (0.447–3.269)	0.708
Operation extent, major	0.516 (0.249–1.066)	0.074	1.200 (0.458–3.142)	0.711
HCV RNA viremia	1.020 (0.480–2.168)	0.958	0.807 (0.261–2.492)	0.710
ICG-R15	1.047 (0.978–1.120)	0.185	1.050 (0.960–1.147)	0.287
Tumor size	0.975 (0.847–1.122)	0.722	1.025 (0.862–1.217)	0.782
Encapsulation, complete	0.358 (0.109–1.176)	0.091	0.502 (0.125–2.011)	0.330
Microvascular invasion	0.778 (0.404–1.498)	0.453	1.140 (0.425–3.055)	0.795
Free resection margin	0.976 (0.943–1.011)	0.173	0.996 (0.949–1.045)	0.869
Laparoscopic liver resection	0.396 (0.121–1.296)	0.126	0.603 (0.136–1.266)	0.505
Operation time	0.999 (0.995–1.003)	0.568	1.001 (0.995–1.007)	0.819
Intraoperative RBC transfusion	0.045 (0.000–346.238)	0.497	0.046 (0.351–19.052)	0.692
Estimated blood loss	0.999 (0.997–1.001)	0.187	1.001 (0.999–1.003)	0.248
Liver stiffness measurement	1.286 (0.801–2.066)	0.298	1.122 (0.923–1.364)	0.249
Hospitalization	0.989 (0.929–1.054)	0.743	1.042 (0.992–1.096)	0.103
Antiviral therapy	0.576 (0.284–1.166)	0.125	0.166 (0.038–0.727)	0.017
FIB-4 grade				
1	1	0.050	1	0.566
2	2.019 (0.997–4.087)	0.051	0.623 (0.216–1.799)	0.382
3	2.175 (1.061–6.947)	0.037	1.317 (0.343–5.060)	0.689
APRI, >1	2.391 (1.230–2.391)	0.010	1.377 (0.514–3.684)	0.525
ALBI grade				
1	1	0.049	1	0.597
2	2.281 (1.182–4.399)	0.014	0.546 (0.170–1.755)	0.310
3	-	-	-	-
Tumor grade, 3 or 4	1.114 (0.393–3.156)	0.838	0.229 (0.030–1.765)	0.157
$\alpha$ -FP, >40 ng/mL	1.962 (0.990–3.888)	0.053	5.216 (1.710–15.907)	0.004
PIVKA-II, >75 mAU/mL	1.369 (0.699–2.801)	0.390	2.949 (0.984–8.840)	0.053

HCC, hepatocellular carcinoma; OR, odds ratio; CI, confidence interval; ICG-R15, indocyanine green retention rate at 15 minutes; FIB-4, fibrosis-4; APRI, AST-to-platelet ratio index; ALBI, albumin-bilirubin; PIVKA-II, protein induced by vitamin K absence II.