

Supplementary Table 3. Comparison of characteristics on admission between non-survivors and survivors in HBV-ACLF patients without cirrhosis of the derivation cohort

Variable	Total (n=115)	Non-survivor (n=31)	Survivor (n=84)	Univariate Cox regression		Multivariate Cox regression	
				HR (95% CI)	P-value	HR (95% CI)	P-value
Age (years)	44.72±13.54	50.61±12.40	42.55±13.35	1.034 (1.009–1.058)	0.006	1.035 (1.005–1.066)	0.020
Gender, female/male	16/99	6/25	10/74	0.637 (0.261–1.554)	0.372		
Fatigue	6 (5.2)	2 (6.5)	4 (4.8)	1.389 (0.331–5.825)	0.653		
Alcohol consumption	19 (16.5)	6 (19.4)	13 (15.5)	1.220 (0.768–1.938)	0.400		
HBV reactivation	77 (67.0)	21 (67.7)	56 (66.7)	1.028 (0.484–2.184)	0.942		
Drug use	15 (13.0)	4 (12.9)	11 (13.1)	1.009 (0.353–2.883)	0.987		
Bacterial infection	35 (30.4)	13 (41.9)	22 (26.2)	1.852 (0.907–3.781)	0.091		
UGIB	15 (13.0)	3 (9.7)	12 (14.3)	1.437 (0.437–4.727)	0.551		
Ascites, mild/serve	31/18	12/2	19/16	0.859 (0.528–1.399)	0.542		
HE, mild/serve	8/14	4/14	4/0	4.436 (2.930–6.716)	<0.001	3.039 (1.939–4.765)	<0.001
CRP (mg/L)	10.30 (7.20–13.70)	10.70 (6.78–14.83)	10.00 (7.40–13.60)	0.985 (0.943–1.029)	0.499		
WBC (×10 ⁹ /L)	7.00 (5.60–9.30)	7.90 (6.20–11.40)	6.80 (5.43–8.78)	1.095 (1.014–1.182)	0.021	/	/
Neutrophil (×10 ⁹ /L)	4.70 (3.60–6.30)	5.80 (4.40–10.20)	4.40 (3.13–5.78)	1.129 (1.039–1.226)	0.004	/	/
RBC (×10 ¹² /L)	4.28±0.68	4.35±0.63	4.26±0.70	1.176 (0.691–2.001)	0.551		
Platelet (×10 ⁹ /L)	130.36±59.60	112.23±41.28	137.05±63.99	0.993 (0.986–1.000)	0.056		
Total protein (g/L)	57.92±6.81	58.54±8.03	57.70±6.33	1.009 (0.959–1.062)	0.717		
Albumin (g/L)	32.36±4.07	32.16±4.96	32.44±3.72	0.983 (0.898–1.076)	0.702		
ALT (U/L)	447.00 (190.00–850.00)	421.00 (227.00–794.00)	448.00 (174.25–865.75)	1.000 (1.000–1.001)	0.565		
AST (U/L)	285.00 (120.00–510.00)	348.00 (156.00–669.00)	226.50 (116.75–505.25)	1.001 (1.000–1.001)	0.079		
Serum bilirubin (mg/dL)	16.61 (11.75–22.75)	20.82 (16.82–27.35)	14.98 (11.40–21.11)	1.069 (1.028–1.111)	0.001	1.068 (1.022–1.116)	0.004
Creatinine (mg/dL)	0.74 (0.63–0.84)	0.71 (0.64–0.96)	0.75 (0.63–0.84)	1.199 (0.843–1.706)	0.313		
Potassium (mmol/L)	4.37±0.60	4.53±0.62	4.31±0.58	1.662 (0.950–2.903)	0.074		
Sodium (mmol/L)	137.88±3.88	136.45±3.99	138.41±3.72	0.915 (0.850–0.985)	0.018		
PT-INR	1.97 (1.71–2.69)	2.70 (2.39–3.43)	1.85 (1.66–2.32)	2.700 (1.977–3.689)	<0.001	1.959 (1.345–2.854)	<0.001
Log ₁₀ (DNA)	5.15 (4.00–6.87)	5.40 (4.10–7.05)	5.12 (3.96–6.73)	0.954 (0.775–1.174)	0.656		
Log ₁₀ (HBsAg)	3.07 (2.10–3.73)	3.00 (1.87–3.98)	3.11 (2.20–3.67)	0.966 (0.757–1.232)	0.780		
VDBP (μg/mL)	45.09 (29.63–66.78)	28.91 (21.64–44.63)	52.82 (37.18–75.44)	0.960 (0.942–0.978)	<0.001	/	/

Values are presented as mean±standard deviation, number (range), or number (%) unless otherwise indicated.

HBV-ACLF, hepatitis B virus-related acute-on-chronic liver failure; HR, hazard ratio; CI, confidence interval; HBV, hepatitis B virus; UGIB, upper gastrointestinal bleeding; HE, hepatic encephalopathy; CRP, C-reactive protein; WBC, white blood cell; RBC, red blood cell; ALT, alanine aminotransferase; AST, aspartate amino transferase; PT-INR, prothrombin time-international normalized ratio; VDBP, vitamin D-binding protein.