

Table S1 Comparison of baseline characteristics among three groups of ACLF patients

Characteristic	Compensated group (n=226)	Recompensated group (n=73)	Decompensated group (n=162)	Value	P
Age (years)	52.1 ± 11.9	53.2 ± 8.9	53.9 ± 9.9	F= 1.301	0.274
Male (n,%)	182(80.5%)	60(82.1%)	134(82.7%)	X ² =0.322	0.851
Etiology					
HBV (n,%)	123(54.4%)	28(38.4%)	76(46.9%)	X ² =6.241	0.044
Alcohol (n,%)	82(36.3%)	30(41.1%)	72(44.4%)	X ² 2=.671	0.263
Other causes (n,%)	21(9.3%)	15(20.5%)	14(8.6%)	X ² =8.484	0.014
Precipitating events					
Bacterial infection (n,%)	103 (45.6%)	28 (38.4%)	97 (59.9%)	X ² = 11.997	0.002
esophagogastric					
variceal bleeding (n,%)	46 (20.4%)	20 (27.4%)	40 (24.7%)	X ² = 1.953	0.377
HBV reactivation					
(n,%)	25 (11.1%)	10 (13.7%)	14 (8.6%)	X ² = 1.442	0.486
Other					
precipitating event	15 (6.6%)	4 (5.5%)	5 (3.1%)	X ² 2=.424	0.298

(trauma/surgery/d

rinking,etc.)

(n,%)

No precipitating

67 (29.6%)

15 (20.5%)

22 (13.6%)

$\chi^2=14.142$

0.001

event (n,%)

More than one

precipitating

30 (13.3%)

4 (5.5%)

17 (10.5%)

$\chi^2=3.490$

0.175

event (n,%)

Laboratory data

WBC ($\times 10^9/L$)

7.5(5.1~11.2)

6.9(4.2~9.4)

8.5 (5.5~12.9)

H=7.484

0.024

Hb (g/L)

111.9 \pm 28.1

109.3 \pm 23.9

99.9 \pm 24.2

F=10.104

<0.001

PLT ($\times 10^9/L$)

77.0(55.0~107.8)

58.0(38.0~87.0)

62.0(40.3~91.0)

H=15.127

0.001

TP (g/L)

89.3 \pm 11.6

84.9 \pm 11.0

81.4 \pm 16.4

F=6.467

0.002

ALB (g/L)

28.2 \pm 4.9

28.3 \pm 4.5

26.6 \pm 4.3

F=7.005

0.001

TBil ($\mu\text{mol/L}$)

313.2(228.6~399.8)

223.1(127.8~341.1)

188.4(119.0~318.8)

H=56.430

<0.01

ALT (U/L)

96.5(36.0~364.0)

46.0(24.0~277.0)

43.0(24.0~136.8)

H=15.771

<0.001

AST (U/L)

154.5(77.0~359.5)

89.0(52.0~296.0)

81.0(44.5~172.8)

H=20.299

<0.001

ALP (U/L)

132.5(99.0~176.3)

120.0(98.0~186.0)

109.5(76.0~153.0)

H=10.091

0.006

CHE (U/L)

2197.5

2028.0

1852.0

H=15.204

<0.001

(1559.5~3030.3)

(1592.0~2594.0)

(1260.5~2405.8)

INR

2.6(2.1~3.6)

2.5(1.9~3.0)

3.0(2.4~3.9)

H=16.383

<0.001

Cr ($\mu\text{mol/L}$)

93.9(59.0~198.0)

105.0(65.0~156.0)

136.5(79.8~253.3)

H=13.978

0.001

Na (mmol/L)	133.3(129.5~ 137.5)	133.7(130.4~ 136. 1)	131.0(126.5~ 134.6)	H= 15.916	<0.001
-------------	----------------------	-----------------------	----------------------	-----------	--------

ALB, albumin; ALP, alkaline phosphatase; ALT, alanine aminotransferase; AST, aspartate aminotransferase; CHE, cholinesterase; Cr, creatinine; Hb, hemoglobin; INR, international normalized ratio; Na, serum sodium; PLT, platelet; TBil, total bilirubin; TP, total protein; WBC, white blood cell.