

Supplementary Table 1 Balance of Baseline Characteristics Before and After Propensity Score Matching

Parameter	Pre-match		Post-match			
	Severe	Non-severe	S	Severe	Non-severe	S
	TCP	TCP	M	TCP	TCP (n=90)	M
	(n=131)	(n=303)	D	(n=90)		D
Age	53.1±10.4	55.3±12.0	0.183	53.8±10.9	54.1±11.4	0.026
Male(%)	95(72.5)	196(64.7)	-0.164	67(74.4)	63(70.0)	-0.093
Etiology of cirrhosis(%)						
HBV	91(69.5)	198(65.3)	-0.573	68(75.6)	69(76.7)	-0.068
HCV	16(12.2)	32(10.6)	0.170	6(6.7)	4(4.4)	0.113
ALD	6(4.6)	21(6.9)	0.050	3(3.3)	5(5.6)	0.027
AIH	4(3.0)	12(4.0)	0.047	3(3.3)	3(3.3)	0.000

Others	14(10.7)	40(13.2)	0.32	10(11.1)	9(10.0)	-0.03
			2			3
TIPS						
indications(%)						
	89(67.9)	216(71.3)	0.07	61(67.8)	63(70.0)	0.04
Gastrointestinal bleeding			4			9
	42(32.1)	87(28.7)	-	29(32.2)	27(30.0)	-
Recurrent/refractory			0.07			0.04
ascites			4			9
Child-Pugh score	7.0(7.0,9.0)	7.0(6.0,8.0)	-0.26	7.0(6.8,8.3)	8.0(7.0,8.8)	0.06
			8			0
WBC (×10 ⁹ /L)	2.6(2.0,3.7)	4.0(2.5,5.8)	0.42	2.8(2.0,4.3)	3.5(2.3,4.8)	0.03
			8			4
Hb (×10 ⁹ /L)	72.0(64.0,87.0)	84.0(66.0,109.8)	0.39	76(68.8,88.0)	69.5(60.3,80.3)	-0.07
			2			3

HBV= hepatitis B virus; HCV= hepatitis C virus; ALD= alcoholic liver disease; AIH= autoimmune hepatitis; TIPS= transjugular intrahepatic portosystemic shunt; WBC= white blood cell count; Hb= hemoglobin; SMD= standardized mean differences.

Supplementary Table 2 Multicollinearity Diagnostic Results of Multivariate Cox Regression Models

Model				Variable	VIF	Tolerance	Mean VIF
Model 1	multivariable	cox	regression				1.020
				Age	1.014	0.986	
				Platelet grouping	1.024	0.976	
				Creatinine	1.009	0.991	
				Child-pugh score	1.032	0.969	
Model 2	multivariable	cox	regression				1.038
				Age	1.020	0.980	
				Platelet grouping	1.041	0.961	
				Meld score	1.053	0.949	
Model 3	multivariable	cox	regression				1.000
				Age	1.000	1.000	
				Creatinine	1.000	1.000	

		PALBI score	1.00	1.000
			0	
Model 4	multivariable	cox		1.014
regression				
		Age	1.01	0.989
			2	
		Platelet	1.02	0.980
		grouping	0	
		Creatinine	1.00	0.996
			4	
		ALBI	1.01	0.983
			8	

Meld score= model for end-stage liver disease score; PALBI = platelet-albumin-bilirubin index; ALBI= albumin-bilirubin index; VIF= variance inflation factor.

Supplementary Table 3 Multivariable Fine-Gray risk analysis

Parameter	HR	95% CI		<i>p</i>
		lower	upper	
PLT grouping	1.44	0.13	15.54	0.765
Age	1.00	0.93	1.08	0.948
Sex	0.29	0.04	1.98	0.206
TIPS indications	1.15	0.23	5.71	0.865
TBIL	1.00	0.97	1.03	0.849
PT	1.03	0.96	1.10	0.431
creatinine	1.00	0.99	1.01	0.878
Child-Pugh score	0.90	0.40	2.04	0.797
MELD score	1.10	0.86	1.39	0.449
PALBI	0.28	0.01	5.32	0.398
ALBI	22.12	0.69	713.98	0.081

PLT= platelet count; TIPS= transjugular intrahepatic portosystemic shunt; TBIL= total bilirubin; PT= prothrombin time; Meld score= model for end-stage liver disease; PALBI= platelet-albumin-bilirubin index; ALBI= albumin-bilirubin index.