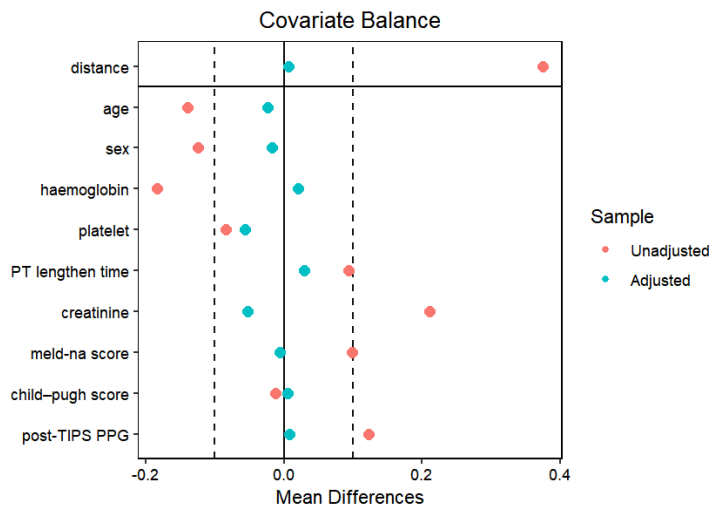
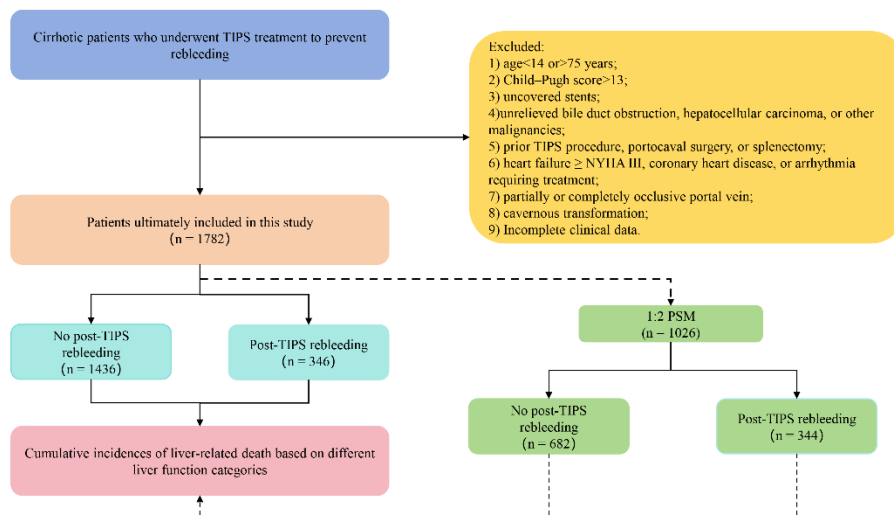


Supplementary Figures and Tables



Supplementary Figure 1 Love plot.



Supplementary Figure 2 Flow chart.

Supplementary Table 1 Cumulative incidence of post-transjugular intrahepatic portosystemic shunt rebleeding, *n* (%)

Time	Post-transjugular intrahepatic portosystemic shunt rebleeding
6 months	25 (1.4)
12 months	48 (2.7)

18 months	89 (4.99)
24 months	115 (6.5)
30 months	145 (8.1)
36 months	178 (9.98)
60 months	255 (14.3)
Study termination	346 (19.4)

Supplementary Table 2 Comparison of demographic and baseline characteristics between survived and liver-related death patients, *n* (%)/median (quartiles)

Characteristics	Total (<i>n</i> = 1782)	Survival (<i>n</i> = 1353)	Liver-related death (<i>n</i> = 429)	<i>P</i> value
Age (years)	51 (44, 60)	51 (43, 60)	53 (45, 61)	0.002
Sex				0.967
Male	1150 (64.5)	874 (64.6)	276 (64.3)	
Female	632 (35.5)	479 (35.4)	153 (35.7)	
Cirrhosis etiology				0.063
Chronic HBV infection	1092 (61.3)	826 (61.0)	266 (62.0)	
Other viral infection	108 (6.1)	73 (5.4)	35 (8.2)	
Alcoholic liver disease	106 (5.9)	89 (6.6)	17 (4.0)	
Autoimmune hepatitis	170 (9.5)	136 (10.1)	34 (7.9)	
Mixed etiology	41 (2.3)	33 (2.4)	8 (1.9)	
Others	265 (14.9)	196 (14.5)	69 (16.1)	
HE before procedure	17 (1.0)	13 (1.0)	4 (0.9)	1.000
Ascites before procedure				0.013
No	589 (33.1)	466 (34.4)	123 (28.7)	
Mild	648 (36.4)	496 (36.7)	152 (35.4)	
Moderate and severe	545 (30.6)	391 (28.9)	154 (35.9)	
Platelet (10 ⁹ /L)	60 (41, 88)	60 (42, 89)	57 (40, 84)	0.122
Albumin (g/L)	34.3 (30.8, 37.7)	34.6 (31.1, 38.1)	32.8 (29.9, 36.5)	< 0.001
Total bilirubin (μmol/L)	20.25 (14, 29.3)	19.5 (13.6, 27.6)	22.9 (16.21, 33.6)	< 0.001

Creatinine (μmol/L)	72 (58, 87.75)	70.00 (57, 85)	78.00 (64, 94)	< 0.001
PT lengthen time (seconds)	1.4 (0, 3.1)	1.3 (0, 2.9)	2.1 (0.7, 3.9)	< 0.001
INR	1.3 (1.18, 1.45)	1.29 (1.18, 1.44)	1.32 (1.2, 1.51)	0.002
Sodium (mmol/L)	139.9 (137.4, 142)	140 (137.8, 142)	139 (136.7, 141.9)	< 0.001
Child-Pugh score	7 (6, 8)	7 (6, 8)	7 (6, 9)	< 0.001
Child-Pugh class				< 0.001
A	738 (41.4)	607 (44.9)	131 (30.5)	
B	887 (49.8)	652 (48.2)	235 (54.8)	
C	157 (8.8)	94 (6.9)	63 (14.7)	
MELD score	10 (9, 12)	10 (9, 12)	11 (10, 13)	< 0.001
MELD-Na score	11 (9, 13)	10 (9, 13)	12 (10, 14)	< 0.001
Combine venous embolization	1231 (69.1)	927 (68.5)	304 (70.9)	0.391
TIPS stent diameter				< 0.001
< 8 mm	87 (4.9)	77 (5.7)	10 (2.3)	
8 mm	1603 (90.0)	1226 (90.6)	377 (87.9)	
10 mm	92 (5.2)	50 (3.7)	42 (9.8)	
Pre-TIPS PPG (mmHg)	24.00 (20.00, 27.21)	23.53 (20.00, 27.00)	24.26 (21.32, 28.68)	< 0.001
Post-TIPS PPG (mmHg)	8.80 (6.00, 11.00)	8.80 (6.00, 11.00)	8.80 (5.90, 11.00)	0.250
PPG reduction (mmHg)	14.70 (11.00, 18.38)	14.00 (11.00, 18.00)	16.00 (12.48, 19.84)	< 0.001
Rebleeding	346 (19.4)	223 (16.5)	123 (28.7)	< 0.001