**Supplementary Table 1.** Missing values in Patients with further decompensation group and clinical stabilization group

| **Variables** | **clinical stabilization group (n = 100)** | **further decompensation group (n = 52)** |
| --- | --- | --- |
|
| Age | 0 (0) | 0 (0) |
| Sex |  |  |
| male | 0 (0) | 0 (0) |
| female | 0 (0) | 0 (0) |
| Etiology |  |  |
| Viral hepatitis | 0 (0) | 0 (0) |
| Alcohol-related | 0 (0) | 0 (0) |
| AIH/PBC | 0 (0) | 0 (0) |
| Other | 0 (0) | 0 (0) |
| TIPS indication |  |  |
| Variceal bleeding | 0 (0) | 0 (0) |
| Refractory ascites | 0 (0) | 0 (0) |
| Combined indications (bleeding and ascites) | 0 (0) | 0 (0) |
| DM | 0 (0) | 0 (0) |
| CHD | 1 (1.0) | 1 (1.9) |
| Hypertension | 0 (0) | 1 (1.9) |
| Spontaneous Portosystemic Shunt | 6 (6.0) | 6 (11.5) |
| Portal Vein Thrombosis | 3 (3.0) | 1 (1.9) |
| Portal Vein Cavernous Transformation | 8 (8.0) | 2 (3.8) |
| Child-Puge grade |  |  |
| A(scores 5-6) | 0 (0) | 0 (0) |
| B(scores 7-9) | 0 (0) | 0 (0) |
| C(scores 10-15) | 0 (0) | 0 (0) |
| Child‐Pugh score | 0 (0) | 0 (0) |
| MELD score | 0 (0) | 0 (0) |
| MELD-Na | 0 (0) | 0 (0) |
| MELD 3.0 | 0 (0) | 0 (0) |
| WBC | 0 (0) | 0 (0) |
| Hemoglobin | 0 (0) | 0 (0) |
| Platelets | 0 (0) | 0 (0) |
| Albumin | 0 (0) | 0 (0) |
| ALT | 0 (0) | 0 (0) |
| AST | 2 (2.0) | 2 (3.8) |
| ALP | 0 (0) | 0 (0) |
| GGT | 0 (0) | 0 (0) |
| Bilirubin | 0 (0) | 0 (0) |
| PTA | 0 (0) | 0 (0) |
| INR | 0 (0) | 0 (0) |
| Blood Glucose | 0 (0) | 0 (0) |
| Urea | 0 (0) | 0 (0) |
| Creatinine | 0 (0) | 0 (0) |
| Na | 0 (0) | 0 (0) |
| NH3 | 6 (6.0) | 1 (1.9) |
| Pre-Shunt PP | 2 (2.0) | 1 (1.9) |
| Post-Shunt PP | 1 (1.0) | 1 (1.9) |
| Pre-Shunt IVC | 16 (16.0) | 8 (15.4) |
| Post-Shunt IVC | 15 (15.0) | 7 (13.5) |
| Pre-Shunt PPG | 2 (2.0) | 1 (1.9) |
| Post-Shunt PPG | 2 (2.0) | 1 (1.9) |
| Reduction of PP by  TIPS | 2 (2.0) | 1 (1.9) |
| Reduction of PPG by  TIPS | 2 (2.0) | 1 (1.9) |
| Left hepatic lobe volume | 0 (0) | 0 (0) |
| Right hepatic lobe volume | 0 (0) | 0 (0) |
| Caudate lobe volume | 0 (0) | 0 (0) |
| Spleen Volume | 0 (0) | 0 (0) |

AIH:Autoimmune hepatitis; PBC:Primary biliary cholangitis; DM:Diabetes Mellitus; CHD: Coronary Heart Disease; MELD, Model for End-Stage Liver Disease. WBC: White blood cell count; ALT, alanine aminotransferase; AST, aspartate aminotransferase; ALP: Alkaline phosphatase; GGT: Gamma glutamyl transferase; PTA: Prothrombin Activity; INR, international normalized ratio; Urea: Urea nitrogen urea. PP: Portal Pressure; IVC: Inferior Vena Cava Pressure; PPG: Portal Pressure Gradient.