**Supplementary Table 3. Laboratory indexes of sub-groups in the Ditan study**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Non-HCC** | **HCC** | ***p*-value****(non-PVT in two sub-groups)** |
| **Variables** | **non-PVT****(n = 71)** | **PVT****(n = 20)** | ***p*-value** | **non-PVT****(n = 35)** | **PVT****(n = 19)** | ***p*-value** |
| **Routine blood test** |  |  |  |  |  |  |  |
| WBC (10^9/L) | 3.9 [2.7-5.3] | 3.3 [2.0-4.1] | **0.035** | 3.5 [2.6-5.2] | 3.5 [2.7-5.1] | 0.863 | 0.911 |
| RBC (10^12/L) | 4.1 [3.5-4.6] | 3.7[3.4-4.1] | 0.061 | 4.0 [3.4-4.6] | 3.7 [2.8-4.1] | 0.087 | 0.605 |
| HGB (g/L) | 131.3 [113.4-142.5] | 113.0 [88.5-128.2] | **0.004** | 127.8 [101.0-142.2] | 117.0 [95.0-130.0] | 0.084 | 0.615 |
| PLT (10^9/L) | 77.4 [46.1-135.5] | 72.7 [37.6-171.6] | 0.873 | 80.0 [55.0-115.0] | 93.0 [49.0-117.0] | 0.921 | 0.876 |
| **Liver function** |  |  |  |  |  |  |  |
| ALT (U/L) | 23.8 [17.2-40.9] | 24.1 [21.3-26.7] | 0.481 | 23.4 [17.6-34.2] | 37.1 [20.8-61.1] | 0.060 | 0.665 |
| AST (U/L) | 28.7 [22.2-46.0] | 29.8 [24.1-39.3] | 0.958 | 28.7 [22.6-72.7] | 54.3 [34.0-103.1] | **0.040** | 0.354 |
| ALP (U/L) | 84.7 [67.4-124.5] | 76.5 [57.9-98.0] | 0.121 | 88.8 [69.5-127.5] | 144.4 [79.2-237.3] | 0.058 | 0.597 |
| ALB (g/L) | 36.4 ± 6.7 | 34.9 ± 5.7 | 0.357 | 36.0 ± 5.8 | 33.3 ± 5.6 | 0.108 | 0.736 |
| TBil (μmol/L) | 19.4 [11.5-41.9] | 21.6 [13.8-33.0] | 0.852 | 18.4 [11.9-32.2] | 30.8 [20.4-66.9] | **0.013** | 0.973 |
| γ-GT (U/L) | 26.6 [16.2-54.4] | 28 [16.6-45.8] | 0.966 | 41.3 [19.1-119.1] | 128.0 [36.3-214.5] | 0.108 | **0.027** |
| CHE (U/L) | 4911 ± 2271 | 4193 ± 1702 | 0.193 | 4622 ± 2134 | 3083 ± 1940 | **0.012** | 0.530 |
| GLU (mmol/L) | 5.40 [4.8-6.5] | 5.1 [4.6-6.0] | 0.317 | 5.3 [5.0-6.7] | 6.1 [5.0-7.9] | 0.298 | 0.708 |
| **Coagulation**  |  |  |  |  |  |  |  |
| PT (s) | 13.6 [12.1-15.9] | 14.2 [12.7-16.7] | 0.335 | 13.1 [11.9-14.9] | 14.7 [13.6-17.5] | **0.020** | 0.343 |
| PTA (%) | 74 ± 23 | 70 ± 17 | 0.554 | 80 ± 18 | 67 ± 18 | **0.016** | 0.140 |
| INR | 1.2 [1.1-1.4] | 1.3 [1.1-1.5] | 0.262 | 1.2 [1.1-1.3] | 1.4 [1.2-1.5] | **0.018** | 0.236 |
| APTT (s) | 34.7 [30.8-37.5] | 32.4 [29.3-36.4] | 0.240 | 31.6 [29.7-33.4] | 31.7 [28.2-36.4] | 0.779 | **0.003** |
| TT (s) | 17.5 [16.5-19.1] | 18.6 [17.2-20.1] | 0.157 | 17.6 [16.7-18.5] | 18.9 [16.7-21.6] | 0.197 | 0.566 |
| FIB (g/L) | 207 ± 65 | 194 ± 55 | 0.437 | 235 ± 55 | 226 ± 115 | 0.763 | **0.044** |
| **Renal function** |  |  |  |  |  |  |  |
| UREA (mmol/L) | 4.9 [4.2-5.7] | 5.2 [4.6-6.7] | 0.202 | 5.7 [4.0-6.8] | 5.9 [4.6-7.3] | 0.651 | 0.116 |
| CREA (μmol/L) | 67.7 [59.0-74.0] | 68.0 [58.9-76.3] | 0.938 | 68.1 [62.0-79.5] | 71.0 [59.4-88.9] | 0.772 | 0.401 |
| URCA (mmol/L) | 279 [247-342] | 312 [262-350] | 0.485 | 322 [252-368] | 300 [232-339] | 0.431 | 0.181 |
| **Electrolytes** |  |  |  |  |  |  |  |
| K (mmol/L) | 3.8 [3.6-4.0] | 3.7 [3.5-4.0] | 0.335 | 3.8 [3.7-4.2] | 3.7 [3.5-4.1] | 0.410 | 0.197 |
| Na (mmol/L) | 141.6 [140.2-143.2] | 141.7 [140.1-143.2] | 0.937 | 141.2 [139.1-142.6] | 139.1 [135.0-143.7] | 0.644 | 0.208 |
| Cl (mmol/L) | 106.1 [104.6-108.0] | 107.2 [104.9-108.8] | 0.264 | 106.1 [103.7-107.4] | 105.5 [98.1-107.5] | 0.385 | 0.518 |
| **Others** |  |  |  |  |  |  |  |
| AFP (ng/mL) | 3.3 [1.9-6.6] | 1.9 [1.6-3.1] | **0.007** | 11.4 [3.0-137.0] | 178.1 [9.0-1602.0] | 0.082 | **0.000** |
| HBV-DNA (IU/mL) | 20 [0-46] | 10 [0-21] | 0.162 | 20 [20-89] | 20 [20-468] | 0.324 | 0.259 |

Data are presented as mean ± standard deviation or as median (interquartile range) for continuous variables. The differences between the two groups were tested using one-way t-tests (for normally distributed continuous variables) or Mann-Whitney nonparametric tests (for non-normally distributed variables). A two-sided α of less than 0.05 was considered statistically significant. *p*-values < 0.05 are shown in bold. WBC, white blood cell; RBC, red blood cell; HGB, hemoglobin; PLT, platelet; ALT, alanine aminotransferase; AST, aspartate aminotransferase; ALP, alkaline phosphatase; ALB, albumin; TBil, total bilirubin; γ-GT, γ-glutamyl transpeptidase; CHE, cholinesterase; GLU, glucose; PT, prothrombin time; PTA, prothrombin activity; INR, international normalized ratio; APTT, activated partial thromboplastin time; TT, thrombin time; FIB, fibrinogen; UREA, urea; CREA, creatinine; URCA, uric acid; K, potassium; Na, sodium; Cl, chloride; AFP, alpha-fetoprotein; HBV-DNA, hepatitis B virus-DNA.