**Supplementary Table 3. Baseline characteristics of patients in HPS and non-HPS group from center 2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Non-HPS, *n* = 20** | **HPS, *n* = 7** | **Test statistics** | ***p*** |
| **CEE neg, *n* = 16** | **IPVD, *n* = 4** | **Total, *n* = 20** |
| Age in years | 54.5±8.2 | 57.0±5.4 | 55.0±7.7 | 53.2±5.2 | 0.547 | 0.589 |
| BMI in kg/m2 | 22.0±1.9 | 21.0±1.3 | 21.8±1.8 | 25.4±1.9 | -4.421 | < 0.001 |
| Sex as M/F | 12/4 | 3/1 | 15/5 | 7/0 | 2.148 | 0.283 |
| Hypertension, *n* (%) | 2 (12.5%) | 1 (25.0%) | 3 (15.0%) | 2 (28.6%) | 0.633 | 0.580 |
| Diabetes, *n* (%) | 1 (6.3%) | 0 (0.0%) | 1 (5.0%) | 1 (14.3%) | 0.652 | 0.459 |
| SpO2, % | 97.1±1.2 | 97.8±1.7 | 97.2±1.3 | 95.9±1.1 | 2.416 | 0.023 |
| PaO2 in mmHg | 85.1±7.4 | 92.5±5.0 | 86.5±7.5 | 76.7±6.4 | 3.131 | 0.004 |
| P(A-a)O2 in mmHg | 15.0±6.9 | 10.1±3.4 | 14.0±6.6 | 26.5±6.1 | -4.375 | < 0.001 |
| MELD | 3.4±4.1 | 5.4±2.7 | 3.8±3.9 | 4.4±2.8 | -0.368 | 0.716 |
| TBA in μmol/L | 9.5 (5.4-21.6) | 10.6 (3.9-13.6) | 9.7 (5.4-18.4) | 10.9 (4.5-13.2) | -0.719 | 0.498 |
| TBIL in μmol/L | 20.7±11.8 | 20.5±4.4 | 20.6±10.6 | 21.9±7.3 | -0.287 | 0.776 |
| DBIL in μmol/L | 6.2 (3.9-8.8) | 5.7 (3.8-8.3) | 6.2 (3.8-8.4) | 6.0 (4.0-7.9) | -0.138 | 0.890 |
| Albumin in g/L | 38.6±3.4 | 37.6±3.2 | 38.4±3.3 | 38.6±4.7 | -0.134 | 0.895 |
| AST in U/L | 35.0 (23.0-42.8) | 37.3 (31.1-50.9) | 35.5 (23.3-42.8) | 40.0 (27.0-56.0) | 0.832 | 0.406 |
| ALT in U/L | 20.0 (17.0-32.3) | 38.8 (26.1-42.8) | 22.5 (17.3-38.9) | 26.0 (22.0-85.0) | 0.108 | 0.116 |
| BUN in μmol/L | 5.1±1.1 | 6.9±2.1 | 5.4±1.5 | 5.4±1.2 | 0.091 | 0.929 |
| Creatinine in μmol/L | 62.6±16.8 | 71.3±25.4 | 64.3±18.4 | 62.7±14.3 | 0.212 | 0.834 |
| Hemoglobin in g/L | 127.5 (120.5-148.8) | 128.0 (113.3-145.0) | 127.5 (117.8-147.5) | 140.0 (132.0-159.0) | 1.356 | 0.175 |
| Platelet as 109/L | 116.0 (81.3-217.8) | 51.0 (37.0-69.5) | 95.0 (75.5-162.0) | 125.0 (110.0-171.0) | 1.217 | 0.224 |
| APTT in s | 28.5±2.4 | 29.6±1.6 | 28.7±2.3 | 28.3±2.2 | 0.421 | 0.678 |
| Prothrombin Time in s | 11.6±0.9 | 12.2±1.4 | 11.7±1.0 | 11.7±0.9 | 0.025 | 0.980 |
| Fibrinogen in g/L | 2.6 (2.2-4.8) | 2.1 (1.9-2.3) | 2.4 (2.0-3.2) | 2.8 (1.7-3.4) | -0.304 | 0.761 |
| INR | 1.1±0.1 | 1.1±0.1 | 1.1±0.1 | 1.1±0.1 | 0.014 | 0.989 |

Means ± standard deviations are shown for normally distributed continuous variables; medians (interquartile range) are shown for non-normally distributed continuous variables. Unless otherwise stated, n is as indicated in the column headings. ALT, alanine aminotransferase; APTT, activated coagulation time of whole blood; AST, aspartate aminotransferase; BMI, body mass index; BUN, blood urea nitrogen; DBIL, direct bilirubin; INR, international normalized ratio; PaO2, arterial oxygen partial pressure; P(A-a)O2, alveolar-arterial oxygen difference; MELD, model of end-stage liver disease; SpO2, pulse oxygen saturation; TBA, total bile acid; TBIL, total bilirubin.