## Supplementary Tables:

**Supplementary Table 1. Disease-related clinical indicators of sepsis (*p*>0.05)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Indicators** | Survival (n=141) | Dead (n=60) | *P* |
| **Inflammatory**  |  |  |  |
| NEU (×109/L) | 10.42 ± 5.87 | 12.55 ± 8.46 | 0.08 |
| LYM (×109/L) | 0.95 (0.71, 1.54) | 0.97 (0.60, 1.43) | 0.40 |
| RDW (fl) | 46.89 ± 7.53 | 48.89 ± 8.53 | 0.12 |
| IL-6 (pg/mL) | 128.81 ± 189.72 | 118.68 ± 172.30 | 0.71 |
| PCT (ng/mL) | 0.47 (0.14, 4.19) | 0.59 (0.22, 2.71) | 0.97 |
| **Coagulation**  |  |  |  |
| APTT (s) | 16.56±3.05 | 17.55 ± 3.24 | 0.05 |
| FIB (G/L) | 3.76 ± 2.25 | 3.47 ± 2.50 | 0.44 |
| **Ratio** |  |  |  |
| RLR | 47.01 (31.11, 65.26) | 51.92 (33.76, 76.52) | 0.16 |
| RDW/ALB | 1.50 ± 0.43 | 1.59 ± 0.46 | 0.19 |
| **Pulmonary Function** |  |  |  |
| PCO2 (mmHg) | 31.82 ± 12.51 | 30.62 ± 13.97 | 0.56 |
| CO2 (mmHg) | 22.13 ± 5.86 | 23.8 ± 5.29 | 0.05 |
| pH | 7.43 (7.38,7.49) | 7.45 (7.35,7.50) | 0.82 |
| **Circulation Function** |  |  |  |
| CnT-I (ng/mL) | 0.05 (0.02, 0.34) | 0.07 (0.03, 0.86) | 0.07 |
| MB (ng/mL) | 1140.72 ± 10301.91 | 495.08 ± 1350.71 | 0.47 |
| LDH (IU/L) | 447.35 ± 574.04 | 480.20 ± 491.03 | 0.68 |
| **Liver Function** |  |  |  |
| TBIL (umol/L) | 31.76 ± ±54.96 | 35.67 ± 68.22 | 0.70 |
| ALB (g/L) | 32.77 ± 6.98  | 32.59 ± 8.44 | 0.89 |
| AST (IU/L) | 87.86 ± 271.70 | 119.38 ± 319.20 | 0.51 |
| ALT (IU/L) | 108.51 ± 338.77 | 77.47 ± 121.01 | 0.34 |

Notes: NEU= Absolute Neutrophil Count; LYM= Absolute Lymphocyte Count; RDW= Red Cell Distribution Width; IL-6= Interleukin 6; PCT= Procalcitonin; APTT= Activated Partial Thromboplastin Time; FIB= Fibrinogen; RLR= Red Blood Cell Distribution Width to Lymphocyte Ratio; RDW/ALB= Red Blood Cell Distribution Width to Albumin Ratio; PCO2= Partial Pressure of Carbon Dioxide; CO2= Blood Concentration of Carbon Dioxide; pH= potential of Hydrogen; CnT-I= Cardiac Troponin I; MB= Myoglobin; LDH= Lactate Dehydrogenase; TBIL= Total Bilirubin; ALB= Albumin; ALT= Glutamic-pyruvic Transaminase; AST= Glutamic Oxalacetic Transaminase.

**Supplementary Table 2. Result of Cox stepwise regression**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Tag | Hazard Ratio | lower 95%CI | upper 95%CI | *P*-value |
| NEWS | 0.91  | 0.81  | 1.01  | 0.07  |
| RPR | 4.02  | 0.79  | 20.44  | 0.09  |
| UA | 1.00  | 1.00  | 1.00  | 0.12  |
| PLR | 1.00  | 1.00  | 1.01  | 0.14  |
| PO₂ | 1.01  | 1.00  | 1.02  | 0.16  |
| NLR | 0.98  | 0.94  | 1.01  | 0.16  |
| Urea | 0.98  | 0.95  | 1.02  | 0.28  |
| PT | 1.06  | 0.95  | 1.20  | 0.29  |
| SBP | 0.99  | 0.98  | 1.01  | 0.36  |
| DBP | 1.01  | 0.99  | 1.04  | 0.42  |
| BNP | 1.00  | 1.00  | 1.00  | 0.52  |
| Ccr | 1.00  | 1.00  | 1.00  | 0.59  |
| CK-MB | 1.00  | 0.99  | 1.01  | 0.84  |
| Lac | 1.00  | 0.89  | 1.12  | 0.97  |