

Table S1 Factors independently associated with 30-day mortality of patients with sepsis in the multivariate logistic analysis

| Variables | OR | 95% CI | | P value |
|-------------------------------|-----------|---------------|------|----------------|
| SAE | 1.26 | 1.07 | 1.49 | 0.005 |
| Age (years) | 1.04 | 1.03 | 1.04 | <0.001 |
| Hypertension | 0.76 | 0.64 | 0.89 | <0.001 |
| Chronic pulmonary disease | 1.22 | 1.02 | 1.46 | 0.033 |
| Liver disease | 1.39 | 1.02 | 1.87 | 0.034 |
| Lactate (mmol/L) | 1.13 | 1.07 | 1.19 | <0.001 |
| PO2 (mmHg) | 1.00 | 1.00 | 1.00 | 0.006 |
| WBC (K/uL) | 1.01 | 1.00 | 1.01 | 0.010 |
| Creatinine (K/uL) | 0.93 | 0.86 | 0.99 | 0.032 |
| BUN (K/uL) | 1.01 | 1.00 | 1.01 | <0.001 |
| Hemoglobin (g/dL) | 0.95 | 0.91 | 0.99 | 0.016 |
| Bilirubin (EU/dL) | 1.04 | 1.02 | 1.07 | <0.001 |
| RDW (%) | 1.14 | 1.10 | 1.19 | <0.001 |
| MCV (fL) | 1.02 | 1.01 | 1.03 | <0.001 |
| Mean heartrate (min-1) | 1.01 | 1.00 | 1.01 | 0.006 |
| Mean respiratory rate (min-1) | 1.07 | 1.05 | 1.09 | <0.001 |
| Mean temperature (°C) | 0.72 | 0.63 | 0.82 | <0.001 |
| Mean SpO2 (%) | 0.96 | 0.92 | 0.99 | 0.014 |
| Mechanical ventilation | 1.80 | 1.38 | 2.34 | <0.001 |
| Vasopressor | 2.05 | 1.73 | 2.43 | <0.001 |

BUN, blood urea nitrogen; RDW, red blood cell distribution widths; MCV, mean corpuscular volume.

Hosmer-Lemeshow test: p=0.853.