Supplemental Table 1. ROC curve analysis to identify the serum lactate level cut-off value for predicting hospital mortality

| Laboratory parameter                      | Non-cirrhosis patient | Cirrhosis patients |
|-------------------------------------------|-----------------------|--------------------|
|                                           | AUC (95% CI)          | Cut-off value | Sensitivity | Specificity | Youden's index |
| Initial serum lactate level (mmol/L)     | 0.63 (0.57–0.66)      | 3               | 0.6         | 0.51        | 0.11           |
|                                           |                       | 4               | 0.5         | 0.66        | 0.16           |
|                                           |                       | 5               | 0.33        | 0.76        | 0.09           |
| Serum lactate at 6 hours (mmol/L)        | 0.62 (0.56–0.68)      | 2               | 0.8         | 0.44        | 0.24           |
|                                           |                       | 3               | 0.49        | 0.65        | 0.14           |
|                                           |                       | 4               | 0.35        | 0.8         | 0.15           |
| Serum lactate clearance (%)              | 0.56 (0.50–0.62)      | 10              | 0.7         | 0.43        | 0.13           |
|                                           |                       | 15              | 0.6         | 0.46        | 0.06           |
|                                           |                       | 20              | 0.5         | 0.6         | 0.1            |
| Initial serum lactate level (mmol/L)     | 0.65 (0.44–0.85)      | 4               | 0.78        | 0.52        | 0.3            |
|                                           |                       | 5               | 0.78        | 0.61        | 0.39           |
|                                           |                       | 6               | 0.67        | 0.65        | 0.32           |
| Serum lactate at 6 hours (mmol/L)        | 0.60 (0.35–0.84)      | 4               | 0.67        | 0.64        | 0.31           |
|                                           |                       | 5               | 0.67        | 0.68        | 0.35           |
|                                           |                       | 6               | 0.33        | 0.81        | 0.14           |
| Serum lactate clearance (%)              | 0.54 (0.29–0.78)      | 10              | 0.74        | 0.22        | 0.01           |
|                                           |                       | 15              | 0.64        | 0.43        | 0.07           |
|                                           |                       | 20              | 0.52        | 0.56        | 0.08           |

ROC: receiver operating characteristic; AUC: area under the curve; CI: confidence interval.