

Table S1 Relationship between serum total bilirubin and 30-day ICU mortality

| | Univariate Logistic Analyses | | Multivariate Logistic Analyses* | |
|-------------------|------------------------------|-------------|---------------------------------|-------------|
| | OR | 95% CI | OR | 95% CI |
| Gender | 1.096 | 0.838–1.432 | 1.017 | 0.763–1.354 |
| Age | 1.021 | 1.012–1.03 | 1.023 | 1.013–1.033 |
| Pneumonia | 0.905 | 0.691–1.183 | 0.815 | 0.609–1.090 |
| Hypertension | 1.161 | 0.888–1.518 | 1.044 | 0.781–1.395 |
| COPD | 1.117 | 0.555–2.25 | 0.767 | 0.354–1.660 |
| Renal failure | 1.669 | 1.169–2.383 | 1.612 | 1.060–2.451 |
| Cancer | 1.874 | 1.326–2.647 | 1.727 | 1.189–2.507 |
| Diabetes mellitus | 0.725 | 0.532–0.988 | 0.700 | 0.505–0.969 |
| PEEP | 1.028 | 1.004–1.053 | 1.038 | 1.001–1.067 |
| Admission type | 2.104 | 1.333–3.322 | 2.276 | 1.412–3.670 |
| SpO ₂ | 0.951 | 0.924–0.978 | 0.965 | 0.936–0.995 |
| OASIS | 1.048 | 1.032–1.064 | 1.038 | 1.020–1.056 |
| ALT | 1.000 | 0.999–1.000 | 1.000 | 0.999–1.001 |
| ALP | 1.001 | 1.000–1.002 | 1.000 | 0.999–1.002 |
| AST | 1.000 | 0.999–1.000 | 1.000 | 0.999–1.000 |
| Serum glucose | 1.000 | 0.999–1.000 | 1.000 | 0.999–1.000 |

*, Model 3. COPD, chronic obstructive pulmonary disease; SpO₂, pulse oxygen saturation; PEEP, positive end-expiratory pressure; ALP, alkaline phosphatase; ALT, alanine transaminase; AST, aspartate aminotransferase. OASIS, Oxford Acute Severity of Illness Score.

Table S2 Relationship between serum total bilirubin and in-hospital mortality

| | Univariate Logistic Analyses | | Multivariate Logistic Analyses* | |
|-------------------|------------------------------|-------------|---------------------------------|-------------|
| | OR | 95% CI | OR | 95% CI |
| Gender | 1.025 | 0.817–1.285 | 0.971 | 0.762–1.236 |
| Age | 1.023 | 1.015–1.030 | 1.025 | 1.017–1.034 |
| Pneumonia | 0.936 | 0.747–1.174 | 0.871 | 0.681–1.112 |
| Hypertension | 1.051 | 0.838–1.319 | 0.937 | 0.734–1.197 |
| COPD | 0.937 | 0.504–1.740 | 0.664 | 0.336–1.311 |
| Renal failure | 1.345 | 0.977–1.852 | 1.352 | 0.932–1.961 |
| Cancer | 2.493 | 1.844–3.371 | 2.445 | 1.775–3.368 |
| Diabetes mellitus | 0.921 | 0.717–1.182 | 0.824 | 0.621–1.093 |
| PEEP | 1.023 | 1.001–1.045 | 1.045 | 1.019–1.071 |
| Admission type | 1.511 | 1.074–2.126 | 1.573 | 1.101–2.248 |
| SpO ₂ | 1.008 | 0.979–1.037 | 1.023 | 0.992–1.055 |
| OASIS | 1.026 | 1.013–1.039 | 1.02 | 1.005–1.034 |
| ALT | 1.000 | 0.999–1.000 | 1.000 | 0.999–1.001 |
| ALP | 1.001 | 1.000–1.002 | 1.001 | 0.999–1.002 |
| AST | 1.000 | 0.999–1.000 | 0.999 | 0.999–1.000 |
| Serum glucose | 1.000 | 0.999–1.001 | 1.000 | 0.999–1.002 |

*, Model 3. COPD, chronic obstructive pulmonary disease; SpO₂, pulse oxygen saturation; PEEP, positive end-expiratory pressure; ALP, alkaline phosphatase; ALT, alanine transaminase; AST, aspartate aminotransferase. OASIS, Oxford Acute Severity of Illness Score.