

Supplementary Table 4. Risk factors for detection of MDR gram-negative pathogen in sepsis patients

| Variables | OR [95% CI] | P | Adjusted OR [95% CI] | P |
|---|--------------------|----------|-----------------------------|----------|
| Age, years | 1.01 [1.00–1.01] | 0.004 | 1.00 [0.99–1.00] | 0.528 |
| Comorbidities | | | | |
| Chronic neurological disease | 1.61 [1.40–1.84] | <0.001 | 1.16 [0.99–1.36] | 0.060 |
| ECOG PS | | | | |
| 0 | Reference | | Reference | |
| 1 | 1.00 [0.80–1.25] | 0.987 | 1.02 [0.80–1.29] | 0.881 |
| 2 | 1.29 [1.03–1.63] | 0.027 | 1.27 [0.99–1.61] | 0.058 |
| 3 | 1.62 [1.31–2.00] | <0.001 | 1.28 [1.02–1.62] | 0.035 |
| 4 | 1.97 [1.60–2.44] | <0.001 | 1.36 [1.05–1.75] | 0.018 |
| Site of primary infection | | | | |
| Pulmonary | 0.72 [0.63–0.82] | <0.001 | 0.75 [0.65–0.87] | <0.001 |
| Urinary tract | 2.69 [2.34–3.09] | <0.001 | 2.41 [2.06–2.83] | <0.001 |
| Region of the center | | | | |
| Central region * | Reference | | Reference | |
| Southern region | 0.71 [0.63–0.82] | <0.001 | 0.64 [0.56–0.74] | <0.001 |
| Jeju-do | 1.08 [0.79–1.48] | 0.639 | 1.00 [0.71–1.40] | 0.987 |
| Use of antibiotics before the diagnosis of sepsis | 1.33 [1.16–1.52] | <0.001 | 1.28 [1.08–1.51] | 0.004 |
| Onset setting | | | | |
| Community-acquired | Reference | | Reference | |
| Nursing home-acquired | 2.12 [1.67–2.69] | <0.001 | 1.66 [1.26–2.18] | <0.001 |
| Long-term-care hospital-acquired | 2.59 [2.19–3.05] | <0.001 | 2.15 [1.75–2.63] | <0.001 |
| Hospital-acquired | 1.26 [1.09–1.47] | 0.002 | 1.11 [0.92–1.33] | 0.292 |

Numbers are presented with odds ratio with 95% confidence intervals. *Adjusted OR 1.55 (1.34–1.80), compared to the Southern region of Korea. Abbreviations: OR, odds ratio; CI, confidence interval; ECOG PS, Eastern Cooperative Oncology Group Performance Status.