

Appendix: Supplementary data

Suppl Table 1 Univariate analysis for 30-day mortality in *Staphylococcus aureus* and pneumococcal community-acquired pneumonia

Variables	<i>Staphylococcus aureus</i>		<i>Pneumococcus</i>	
	Univariate analysis		Univariate analysis	
	OR (95 % CI)	P value	OR (95 % CI)	P value
Age ≥80 years	1.28 (0.59–2.76)	0.528	9.56 (2.56–35.68)	<0.001
Sex, male	1.11 (0.50–2.43)	0.804	1.22 (0.41–3.67)	0.721
Comorbidities				
Neoplastic diseases	1.25 (0.43–3.60)	0.776	4.83 (1.47–15.89)	0.016
Chronic lung diseases	0.60 (0.24–1.48)	0.263	1.10 (0.33–3.68)	0.999
Congestive heart failure	1.28 (0.48–3.43)	0.602	6.29 (1.70–23.31)	0.014
Chronic renal diseases	0.88 (0.18–4.14)	0.999	6.29 (1.70–23.31)	0.014
Chronic liver diseases	1.07 (0.12–9.46)	0.999	0.93 (0.89–0.96)	0.999
Central nervous system disorders	1.37 (0.62–3.04)	0.433	3.11 (0.89–10.79)	0.082
Diabetes	0.76 (0.25–2.34)	0.791	1.30 (0.34–4.91)	0.717
Immunosuppression	1.50 (0.40–5.72)	0.468	0.92 (0.88–0.96)	0.373
Non-ambulatory status	3.58 (1.58–8.10)	0.001	24.44 (6.36–93.99)	<0.001
Physical findings				
Glasgow Coma Scale ≤12	2.84 (1.30–6.23)	0.007	5.83 (1.74–19.51)	0.009
Pulse rate ≥125 beats per min	1.48 (0.51–4.31)	0.549	2.68 (0.68–10.55)	0.155
Systolic blood pressure <90 mm Hg	1.67 (0.57–4.93)	0.355	1.01 (0.12–8.35)	0.999
Respiration rate ≥30 breaths per min	2.16 (0.96–4.86)	0.072	2.11 (0.67–6.65)	0.194
Laboratory findings				
Hematocrit <0.3	0.94 (0.33–2.66)	0.999	3.28 (0.94–11.44)	0.072
Platelet count <120,000/mm ³	1.60 (0.49–5.22)	0.495	1.01 (0.12–8.35)	0.999
Albumin <3.0 g/dL	2.63 (1.18–5.85)	0.015	18.40 (3.97–85.34)	<0.001
Glucose ≤60 or ≥300 mg/dL	2.30 (0.67–7.85)	0.244	6.00 (1.39–25.84)	0.033
Blood urea nitrogen ≥30 mg/dL	2.05 (0.93–4.53)	0.073	5.48 (1.79–16.79)	0.003
Na <130 or ≥150 mEq/L	2.00 (0.77–5.22)	0.164	4.29 (1.04–17.65)	0.064
Creatinine ≥1.2	1.08 (0.41–2.86)	0.806	2.14 (0.68–6.74)	0.190
pH <7.35	2.58 (1.01–6.58)	0.046	0.98 (0.12–8.11)	0.999
PaO ₂ /FiO ₂ ≤250	4.27 (1.66–10.97)	0.001	3.006 (1.0–9.08)	0.071
Radiographic findings				
Bilateral lung involvement	1.52 (0.68–3.36)	0.305	2.62 (0.84–8.12)	0.086
Pleural effusion	1.35 (0.59–3.10)	0.476	10.03 (3.13–32.15)	0.001

OR: odds ratio

CI: confidence interval

PaO₂/FiO₂: ratio of arterial oxygen partial pressure to fractional inspired oxygen

Data are present as number and percentage.

Immunosuppression included any immunosuppressive diseases such as congenital and acquired immunodeficiency, hematological diseases, and neutropenia (<1000/mm³); treatment with immunosuppressive drugs within the previous 30 days; and corticosteroids dosages of at least 10 mg/day of a prednisone equivalent for more than 2 weeks.

Non-ambulatory status was defined as being bedridden or using a wheelchair because of difficulty walking.