

Supplementary Table 1. Description of variable characteristics.

Categories	Variables	Cases (N=407)	Missing Percentage (%)
Vancomycin information	Vancomycin trough concentration, mg/L, median (IQR)	6.88 (4.46-10.33)	0%
	Vancomycin dose, mg, median (IQR)	135 (320-900)	0%
	Vancomycin medication intervals, h, median (IQR)	6 (6-8)	0%
	Vancomycin intravenous infusion time, h, median (IQR)	1 (1-1)	0%
Demographic information	Age, y, median (IQR)	2 (0.63-5)	0%
	Height, cm, median (IQR)	87.2 (69.8-111.3)	0%
	Weight, kg, median (IQR)	12 (7.8-19)	0%
	Gender, n (%)		
	Male	245 (60.2%)	0%
	Female	162 (39.8%)	
Assay index	ClCr, ml/min/1.73 m ² , median (IQR)	109.3 (91.8-132.7)	0%
	UA, umol/L, median (IQR)	146 (93.6-215.9)	0%
	PCT, ug/L, median (IQR)	0.36 (0.12-1.64)	0%
	CRP, mg/L, median (IQR)	16 (8-48)	0%
	AST, U/L, median (IQR)	44 (29.5-80)	0%
	ALT, U/L, median (IQR)	31 (22-48)	0%
	TBIL, umol/L, median (IQR)	9.1 (5.7-15.3)	0%
	DBIL, umol/L, median (IQR)	0 (0-0)	0%
	TP, g/L, median (IQR)	62 (55.9-69)	0%
	RBC, 10 ¹² /L, median (IQR)	3.54 (3.16-3.93)	0%
	WBC, 10 ¹² /L, median (IQR)	10.1 (7.2-14.5)	0%
	PLT, 10 ¹² /L, median (IQR)	293 (196.5-433)	0%
	Hb, g/L, median (IQR)	96 (87.5-108)	0%
	HCT, L/L, median (IQR)	29.3 (26.8-32.4)	0%
	NEU, %, median (IQR)	63.1 (46.7-76.2)	0%
	LYM, %, median (IQR)	24.8 (14.8-38.8)	0%

Abbreviation: IQR, interquartile range; ClCr, creatinine clearance rate; UA, uric acid; PCT, procalcitonin; CRP, C-reactive protein; AST, aspartate aminotransferase; ALT, alanine aminotransferase; TBIL, total bilirubin; DBIL, direct bilirubin; TP, total protein; RBC, red blood cells; WBC, white blood cells; PLT, platelets; Hb, hemoglobin; HCT, hematokrit; NEU, neutrophil; LYM, lymphocyte.