

Table 1S. Clinical characteristics in patients with sepsis among development cohort and validation cohort.

Variable	Development cohort	Validation cohort	P-value
Number of patients			
Age, y	56.74±17.97	59.32±17.25	0.060
Male, n (%)	365(62.4%)	163(69.1%)	0.071
Temperature, °C	37.28±1.36	37.19±1.04	0.325
Heart rate, beats/min	109.06±20.40	110.40±20.64	0.394
Breathing rate, beats/min	23.62±5.30	23.78±5.12	0.681
SBP, mmHg	120.67±25.06	119.49±24.78	0.540
DBP, mmHg	73.36±17.26	73.08±15.85	0.834
SPO ₂ , %	93.72±7.17	93.33±8.53	0.502
PH	7.43±0.08	7.42±0.08	0.261
PO ₂ , mmHg	82.99±32.99	79.39±24.51	0.131
PCO ₂ , mmHg	33.86±10.46	34.05±11.61	0.819
LACTATE, mmol/L	1.99±1.63	2.20±1.99	0.105
WBC,10 ⁹ /L	13.03±8.36	13.09±9.05	0.923
Platelet,10 ⁹ /L	160 (92-244)	160(93-240)	0.714
Hemoglobin ,g/L	112.59±29.60	114.27±30.53	0.466
HCT	0.34±0.08	0.35±0.09	0.240
Albumin ,g/L	32.48±6.83	32.89±7.35	0.454
Urea nitrogen, mmol/L	6.3(4.4-10.4)	6.7(4.5-10.8)	0.608
Creatinine ,umol/L	78(59-121)	82(63-128)	0.763
eGFR, mL/min/1.73m ²	100(61-177)	104(70-199)	0.681
Cystatin-C, mg/L	1.50±1.20	1.53±1.20	0.752
Fibrinogen, g/L	4.42±1.72	4.28±1.57	0.282
Total bilirubin, umol/L	12.3(8.2-21.3)	14.1(8.4-23.7)	0.826
ALT, IU/L	26(16-53)	29(15-63)	0.144
AST, IU/L	34(22-62)	35(22-76)	0.152
Infection sites, n (%)			
Lung (pneumonia)	337(57.6%)	125(53.0%)	0.127
Intra-abdominal site	134(22.9%)	70(29.7%)	
Others	114(19.5%)	41(17.4%)	
28-day mortality	125 (21.4%)	48 (20.3%)	0.744

SBP: systolic blood pressure; DBP: diastolic blood pressure; WBC: white blood cell; HCT: hematocrit; eGFR: estimated glomerular filtration rate; ALT: aspartate aminotransferase; AST: alanine aminotransferase.

Table 2S. Adverse outcome of sepsis patients categorized by simple sepsis early prognostic score among development cohort.

Variable	Simple sepsis early prognostic score			P
	T1 (n=329)	T2 (n=213)	T3 (n=43)	
ICU admissions	97(29.5%)	112(52.6%)	33(76.7%)	<0.001
Mechanical ventilation	100(30.4%)	113(53.1%)	37(86.0%)	<0.001
Sepsis Shock	18(5.5%)	35(16.4%)	16(37.2%)	<0.001
Mortality	41(12.5%)	61(28.6%)	23(53.5%)	<0.001

ICU: Intensive care unit.

Table 3S. Adverse outcome of patients categorized by simple sepsis early prognostic score among validation cohort.

Variable	Simple sepsis early prognostic score			P
	Q1 (n=79)	Q2 (n=79)	Q3 (n=78)	
ICU admissions	18(22.8%)	26(32.9%)	47(60.3%)	<0.001
Mechanical ventilation	20(25.3%)	23(29.1%)	53(67.9%)	<0.001
Sepsis Shock	5(6.3%)	9(11.4%)	25(32.1%)	<0.001
Mortality	3(3.8%)	11(13.9%)	34(43.6%)	<0.001

ICU: Intensive care unit.