

Table 1 General characteristics between survivor and non-survivor groups of septic patients.

	Survivors(n=146)	Non-survivors(n=74)	<i>P</i> values
Gender, %			0.451
Male, %	79 (54.1)	44 (59.5)	
Female, %	67 (45.9)	30 (40.5)	
Age, years	59.0 (50.0,69.0)	60.0(45.8,70.2)	0.711
Source of infection			0.793
Respiratory system, %	83 (56.8%)	44 (59.5%)	
Urinary system, %	13 (8.9%)	5 (6.8%)	
Digestive system, %	8 (5.5%)	4 (5.4%)	
Other sources, %	42 (28.8%)	21 (28.3%)	
Length of stay, days	8.9 (5.1,15.7)	6.0 (3.0,10.0)	<0.001
Vasoactive drug			<0.001
Yes, %	31 (21.2)	40 (54.1)	
No, %	115 (78.8)	34 (45.9)	

P values indicate differences between survivors and non-survivors of septic patients. $P < 0.05$ was considered statistically significant.

Table 2 Biomarkers of septic patients on admission.

	Survivors	Non-Survivors	<i>P</i> Values
SBP, mmHg	122.9 ± 31.7	115.5 ± 32.9	0.111
DBP, mmHg	71.4 ± 13.7	66.2 ± 16.6	0.016
Serum albumin, g/L	25.7 (21.9,29.7)	25.9 (21.9,28.6)	0.302
ESR, mm/h	42.5 (14.0,67.0)	53.0 (18.5,79.5)	0.204
CRP, mg/L	86.7 (33.0,156.0)	101.0 (67.5,178.9)	0.082
PCT, ng/mL	2.0 (0.3,16.7)	6.3 (0.6,20.9)	0.043
ALT, U/L	27.7 (13.1,56.6)	35.3 (23.7,61.5)	0.049
AST, U/L	40.7 (22.0,92.9)	66.2 (33.8,144.8)	0.007
Cr, µmol/L	80.5 (60.2,133.0)	127.0 (72.4,296.9)	0.002
SOFA, score	4.0(2.0,6.0)	9.0 (6.8,12.0)	<0.001
APACHEII, score	9.0 (7.0,14.0)	14.0 (11.0,21.0)	<0.001

Abbreviation: SBP, systolic blood pressure; DBP, diastolic blood pressure; ESR, erythrocyte sedimentation rate; CRP, C-reactive protein; PCT, procalcitonin; ALT, glutamic-pyruvic transaminase; AST, glutamic oxaloacetic transaminase; Cr, creatinine; SOFA, sequential organ failure assessment; APACHEII, Acute Physiology and Chronic Health Evaluation.

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Table 3 Analysis of factors related to the prognosis of septic patients using univariate and multivariate logistic regression.

Variables	Univariate		Multivariate	
	Odds Ratio (95% <i>CI</i>)	<i>P</i> Values	Odds Ratio (95% <i>CI</i>)	<i>P</i> Values
SBP	0.993(0.984,1.002)	0.112	/	/
DBP	0.976(0.957,0.996)	0.018	0.982(0.961,1.004)	0.111
Serum albumin	0.958 (0.910,1.010)	0.113	/	/
ESR	1.006(0.999,1.014)	0.111	/	/
CRP	1.003(1.000,1.005)	0.046	1.001(0.998,1.005)	0.376
PCT	1.008(0.999,1.017)	0.074	/	/
ALT	1.000(0.999,1.001)	0.804	/	/
AST	1.000(1.000,1.001)	0.396	/	/
Cr	1.003(1.001,1.004)	0.003	1.001(0.999,1.002)	0.573
SOFA score	1.330(1.216,1.454)	<0.001	1.258(1.135,1.394)	<0.001
APACHEII score	1.112(1.064,1.162)	<0.001	1.034(0.979,1.091)	0.233

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Univariate and multivariate analysis were carried out using a logistic regression model. *P* values indicate differences between survivors and non-survivors of septic patients. *P* < 0.05 was considered statistically significant.