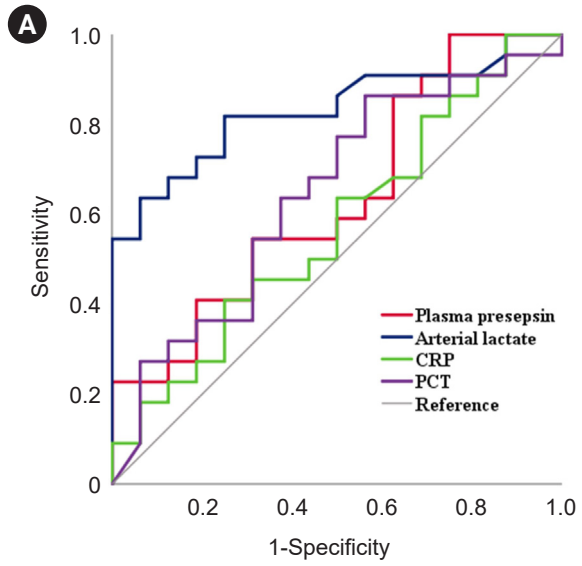

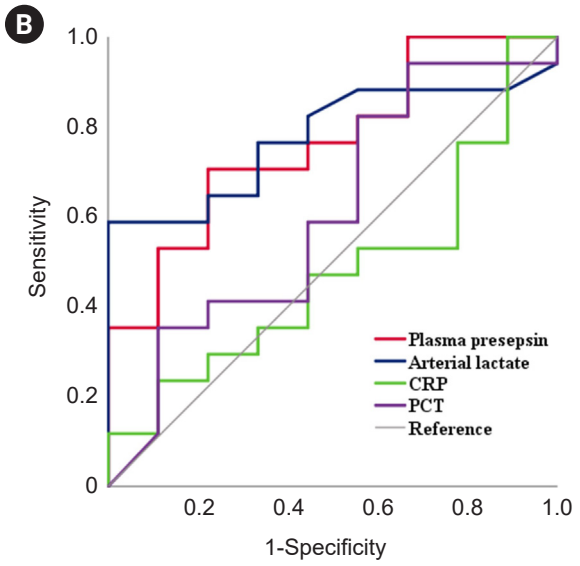

	AuROC value (95% CI)	Cutoff	Sensitivity	Specificity
Plasma presepsin	0.636 (0.456–0.817)	1,941	54.5%	68.8%
Arterial lactate	0.832 (0.703–0.962)	3.10	81.8%	75.0%
CRP	0.572 (0.386–0.758)	11.70	50.0%	56.3%
PCT	0.645 (0.464–0.826)	6.38	59.1%	62.5%

	AuROC value (95% CI)	Cutoff	Sensitivity	Specificity
Plasma presepsin	0.765 (0.577–0.952)	1,906	70.6%	77.8%
Arterial lactate	0.778 (0.599–0.956)	3.10	76.5%	66.7%
CRP	0.477 (0.244–0.711)	17.45	52.9%	44.4%
PCT	0.608 (0.369–0.847)	7.36	58.8%	55.6%

Supplementary Figure 1. Predictive values of plasma presepsin, arterial lactate, CRP, and PCT levels for 28-day mortality in the overall cohort and SA-AKI subgroup. (A) The receiver operating characteristic (ROC) curve analysis in the overall cohort. Arterial lactate showed the highest area under the ROC (AuROC) value, compared with plasma presepsin, CRP, and PCT. (B) The ROC curve analysis in the SA-AKI subgroup. Plasma presepsin and arterial lactate showed comparable AuROC values. However, CRP and PCT had AuROC values that were clearly lower than the AuROC values of plasma presepsin and arterial lactate.
CI, confidence interval; CRP, C-reactive protein; PCT, procalcitonin; SA-AKI, sepsis-associated acute kidney injury.