

Figure S1 Study flowchart. AP, acute pancreatitis; MAP, mild acute pancreatitis; MSAP, moderate severe acute pancreatitis; SAP, severe acute pancreatitis; OF, organ failure; TOF, transient organ failure; POF, persistent organ failure.

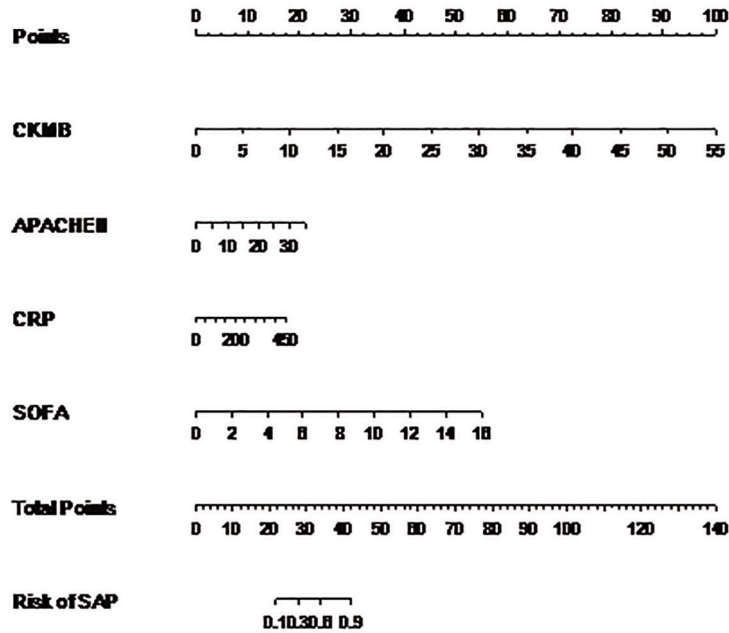


Figure S2 Nomogram for predicting SAP occurrence. CI, cardiac indicators; SAP, severe acute pancreatitis; CK-MB, creatine kinase myocardial band; SOFA, Sequential Organ Failure Assessment; CRP, C-reactive protein; APACHEII, Acute Physiology and Chronic Health Evaluation II.

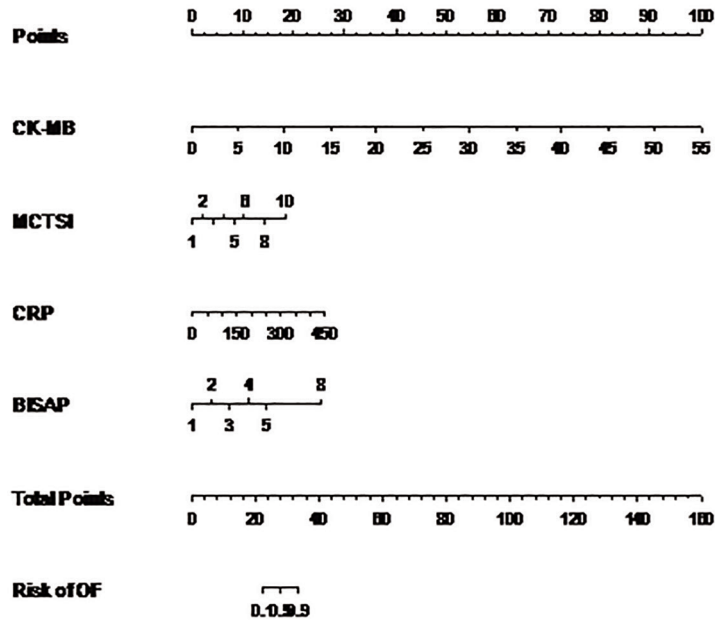


Figure S3 Nomogram for predicting POF occurrence. CI, cardiac indicators; POF, persistent organ failure; CK-MB, creatine kinase myocardial band; BISAP, Acute Pancreatitis Severity Bedside Index; CRP, C-reactive protein; MCTSI, Modified Computed Tomography Severity Index.

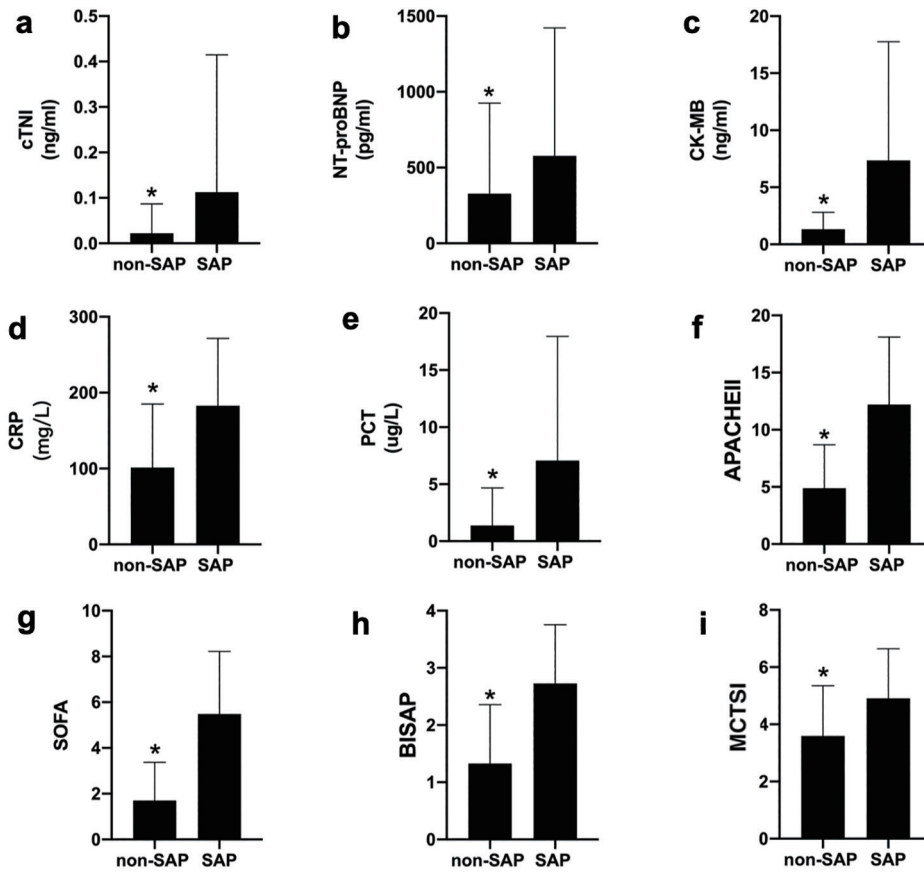


Figure S4 CI, inflammatory biomarkers, and scoring systems between the non-SAP and SAP groups. NT-proBNP, N-terminal pro-brain natriuretic peptide; cTNI, cardiac troponin I, CK-MB, creatine kinase myocardial band; APACHEII, Acute Physiology And Chronic Health Evaluation II; BISAP, Acute Pancreatitis Severity Bedside Index; CRP, C-reactive protein; PCT, procalcitonin; MCTSI, Modified Computed Tomography Severity Index; SOFA, Sequential Organ Failure Assessment; SAP, severe acute pancreatitis. *compared to SAP, P<0.05

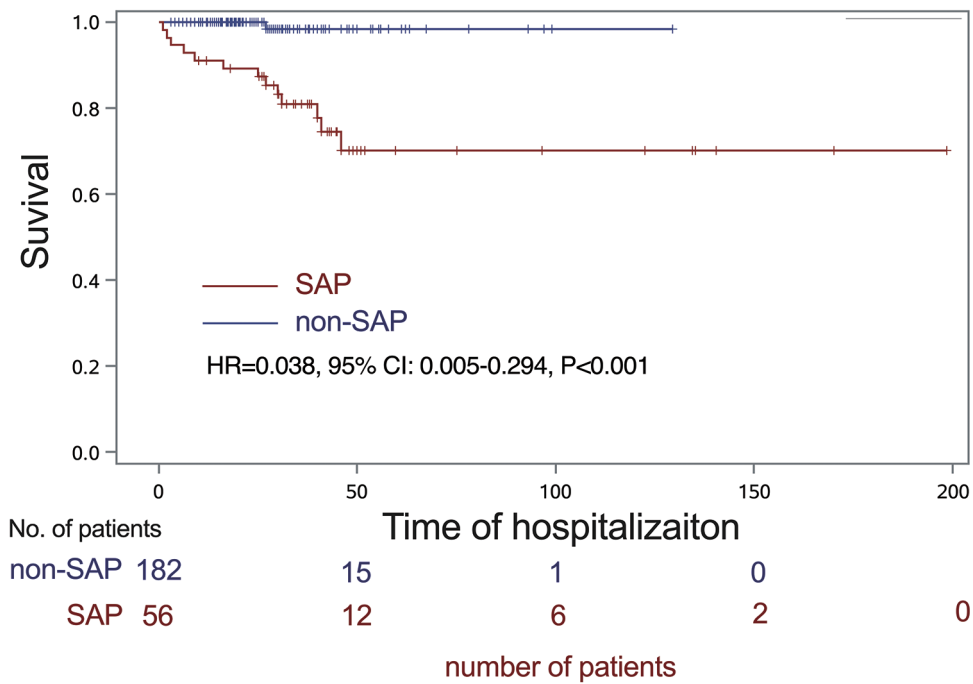


Figure S5 Kaplan-Meier curves for survival analysis of SAP and non-SAP groups. Patients in the non-SAP group enjoyed superior survival compared with those in the SAP group (HR=0.038, 95% CI: 0.005–0.294, P<0.001). SAP, severe acute pancreatitis; HR, hazard ratio; CI, confidential interval.

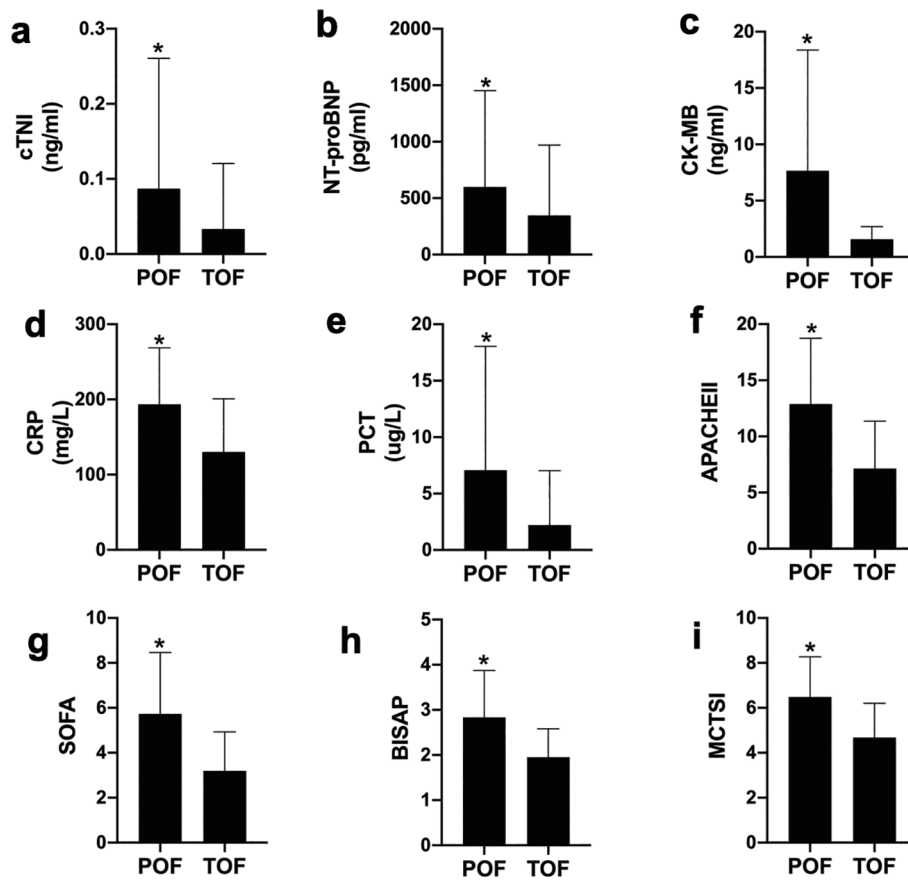


Figure S6 CI, inflammatory biomarkers, and scoring systems between POF and TOF. CI, cardiac indicator; POF, persistent organ failure; TOF, transient organ failure; NT-proBNP, N-terminal pro-brain natriuretic peptide; cTNI, cardiac troponin I, CK-MB, creatine kinase myocardial band; APACHEII, Acute Physiology And Chronic Health Evaluation II; BISAP, Acute Pancreatitis Severity Bedside Index; CRP, C-reactive protein; PCT, procalcitonin; MCTSI, Modified Computed Tomography Severity Index; SOFA, Sequential Organ Failure Assessment. *compared to TOF P<0.05.

Table S1 Summary of patient with organ failure on admission which then lasted <48 or >48 hours

	In total	Respiratory	Renal	Cardiovascular
OF on admission	89	84	30	8
OF <48 hours	41	39	8	2
OF >48 hours	48	45	22	6

OF, organ failure.