

Table S1. Covariates included in the three machine-learning techniques PMX, polymyxin B hemoperfusion; VA-ECMO, veno-arterial extracorporeal membranous oxygenation; VV-ECMO, veno-venous extracorporeal membranous oxygenation; IABP, intra-aortic balloon pumping, APACHE, Acute Physiology and Chronic Health Evaluation; SIRS, Systemic Inflammatory Response Syndrome; SOFA, Sequential Organ Failure Assessment; PT ratio, prothrombin:time ratio; FDP, fibrin/fibrinogen-degradation product

<i>Patient characteristics</i>	Age, Sex, Weight
<i>Pre-existing comorbidities</i>	Liver insufficiency, Chronic respiratory disorder, Chronic heart failure, Chronic kidney disease, Immunocompromised
<i>Pre-existing coagulopathy-related history</i>	Cirrhosis, Leukemia, Anticancer medication, Warfarin use, Other
<i>Infection site</i>	Catheter related, Bone/soft tissue, Infectious endocarditis, Central nervous system, Urinary tract, Lung, Abdomen, Others
<i>Blood culture</i>	Positive, Negative, No attempt
<i>Causal pathogen</i>	Gram-negative rod, Gram-positive coccus, Fungus, Virus, Mixed, Other, Unknown
<i>Admission route</i>	Medical ward, Emergency department, Transfer from other hospital
<i>Bleeding event</i>	Transfusion for bleeding, Death from exsanguination, Intracranial hemorrhage
<i>Anticoagulant therapy for</i>	Antithrombin, Thrombomodulin, Protease inhibitor, heparin

<i>sepsis-induced coagulopathy</i>	
<i>Anticoagulant therapy not for sepsis- induced coagulopathy</i>	Nafamostat, Heparin, Warfarin, Antiplatelet, Others
<i>Other therapies</i>	Immunoglobulin, Low-dose steroid, Renal replacement therapy for renal indication, Renal replacement therapy for cytokine modulation, PMX, Plasmapheresis, VA-ECMO, VV-ECMO, IABP, Procedure for infection, Operation for hemorrhage
<i>Illness severity score on Day 1</i>	APACHE II score, SIRS score, SOFA score lung, SOFA score kidney, SOFA score liver, SOFA score cardiovascular, SOFA score coagulopathy, SOFA score central nervous system
<i>Laboratory data on Day 1</i>	White blood cell count, Platelet count, Hemoglobin, PT ratio, FDP, D-dimer, Lactate