

Table S1 Variance inflation factor (VIF)

Variable	GVIF
ALBI	1.335277
gender	1.173547
race	1.332794
admission_age	1.614971
heart_rate	1.349957
rr	1.298546
atrial_fibrillation	1.353661
chronic_pulmonary_disease	1.175588
diabetes	1.197024
heart_failure	1.259198
hypertension	1.243466
liver_disease	1.272828
renal_disease	1.317928
invasive_mechanical_ventilation	1.222665
noninvasive_mechanical_ventilation	1.033639
anion	2.285837
chloride	1.480166
Hco3	2.116026
inr	1.228533
platelet	1.192054
potassium	1.259077
ptt	1.156626
scr	1.760368
gcs	1.158537
hemoglobin	1.13033

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Table S2 Comparison between included and excluded patients

Characteristic	Excluded	Included	P
Group			
1	1832 (100.0)	0 (0.0)	
2	0 (0.0)	780 (100)	
Gender			
Female	921 (50.5)	355 (45.5)	0.022
Male	902 (49.5)	425 (54.5)	
Race			
Black	268 (14.7)	104 (13.3)	<0.001
Others	348 (19.1)	203 (26.0)	
White	1207 (66.2)	473 (60.6)	
Age (years)	64.74 (16.2)	62.06 (16.45)	<0.001
Heart rate (beats/min)	93.84 (21.27)	97.46 (22.41)	<0.001
RR (beats/min)	20.17 (6.44)	21.51 (6.89)	<0.001
Atrial fibrillation	1264 (69.3)	547 (70.1)	0.722
Chronic pulmonary disease	1250 (68.6)	530 (67.9)	0.791
Diabetes	1271 (69.7)	530 (67.9)	0.395
Heart failure	1251 (68.6)	509 (65.3)	0.102
Hypertension	677 (37.1)	332 (42.6)	0.01
Liver disease	1568 (86)	585 (75)	<0.001
Malignancy	1141 (62.6)	492 (63.1)	0.848
Renal disease	865 (47.4)	297 (38.1)	<0.001
Sepsis	816 (44.8)	233 (29.9)	<0.001
Epinephrine	1410 (77.3)	458 (58.7)	<0.001
CRRT	1800 (98.7)	735 (94.2)	<0.001
Invasive mechanical ventilation	1227 (67.3)	483 (61.9)	0.009
Noninvasive mechanical ventilation	1762 (96.7)	769 (98.6)	0.009
Anion (mEq/L)	14.11±3.64	14.72±4.58	<0.001
BUN (mg/dL)	22.14±16.84	27.10±23.07	<0.001
Chloride (mmol/L)	104.06±5.76	103.22±7.38	0.002
HCO ₃ (mmol/L)	23.06±4.28	22.17±5.1	<0.001
Hematocrit (vol%)	33.09±6.64	33.02±7.06	0.79
Hemoglobin (g/dL)	10.84±2.24	10.75±2.39	0.357
INR	1.46±0.9	1.54±0.94	0.05
Platelet (10 ⁹ /L)	228.40±128.53	221.60±126.29	0.216
Potassium (mEq/L)	4.16±0.68	4.20±0.76	0.158
PTT (s)	50.39±38.34	48.05±35.17	0.16
PT (s)	15.86±8.65	16.71±9.68	0.035
SCR (mg/dL)	1.17±1.15	1.46±1.67	<0.001
Sodium (mEq/L)	138.43±4.93	137.98±6.13	0.049
WBC (10 ⁹ /L)	12.99±15.00	13.28±8.63	0.615
First-total bilirubin (mg/dL)	1.28±2.59	1.21±2.38	0.636
Albumin (g/dL)	2.93±0.67	2.94±0.64	0.88
APSIII score	41.01±17.61	51.27±24.03	<0.001
GCS score	13.93±2.30	13.58±2.96	0.001
OASIS score	31.17±8.23	33.30±8.69	<0.001
SAPSI score	34.55±13.25	39.23±15.55	<0.001
SOFA score	3.73±3.04	5.53±3.92	<0.001
30-day mortality	27.78±1.51	25.85±3.31	<0.001
90-day mortality	77.93±4.25	70.26±9	<0.001
365-day mortality	282.90±15.44	250.30±32.08	<0.001

Data are presented as mean ± standard deviation or n (%). RR, respiratory rate; CRRT, continuous renal replacement therapy; BUN, blood urea nitrogen; INR, international normalized ratio; PTT, partial thromboplastin time; PT, prothrombin time; SCR, serum creatinine level; WBC, white blood cell count.