

Table S2a. Final Cox PH regression with bias corrected accelerated bootstrapping

Event = death at 28-days after ICU admission	Stepwise Cox PH regression				Bias corrected accelerated (BC(a)) bootstrap (resample = 1000 cases)			
Covariate	β	p	HR	95% CI of Exp(b)	β	Bias	p	95% CI for BC(a)
Age	0.037	< 0.001	1.038	1.026 – 1.05	0.037	0.001	0.001	0.025 – 0.052
ln(NLR)	0.347	0.001	1.415	1.167 – 1.717	0.347	0.002	0.002	0.181 – 0.597
SOFA ICU admission	0.16	< 0.001	1.176	1.107 – 1.248	0.16	0.001	0.001	0.095 – 0.214

The event was coded with 1 and represented death in the time range between ICU admission and 28-days after ICU admission; PH = proportional hazards, BC(a) = bias corrected accelerated; β = regression coefficient; HR = hazard ratio; 95% CI = 95% confidence interval; ln = natural logarithm; NLR = neutrophil-to-lymphocyte ratio; SOFA = Sequential Organ Failure Assessment; ICU = intensive care unit

Table S2b Variables removed from the Cox PH regression model

Variables not in the Equation		Model if Term Removed		
		Score	p	Term Removed
Step 1	ln(NLR)	22.585	< 0.001	Age
	SOFA ICU admission	39.029	< 0.001	
	C-reactive protein	1.062	0.303	
	D-dimers	0.434	0.510	
	Ferritin	1.382	0.240	
	Gender	0.147	0.701	
Step 2	ln(NLR)	11.814	0.001	Age SOFA ICU admission
	C-reactive protein	0.563	0.453	
	D-dimers	0.229	0.632	
	Ferritin	0.261	0.609	
	Gender	0.045	0.831	
Step 3	C-reactive protein	0.016	0.900	Age ln(NLR) SOFA ICU admission
	D-dimers	0.113	0.737	
	Ferritin	0.121	0.728	
	Gender	0.575	0.448	

Table S2c. Univariate Cox PH regression

Event = death at 28-days after ICU admission	Univariate Cox PH regression			
Covariate	β	p	HR	95% CI of Exp(b)
Age	0.043	< 0.001	1.044	1.033 – 1.056
ln(NLR)	0.593	0.001	1.809	1.504 – 2.176
SOFA ICU admission	0.219	< 0.001	1.244	1.176 – 1.317

The event was coded with 1 and represented death in the time range between ICU admission and 28-days after ICU admission; PH = proportional hazards, β = regression coefficient; HR = hazard ratio; 95% CI = 95% confidence interval; ln = natural logarithm; NLR = neutrophil-to-lymphocyte ratio; SOFA = Sequential Organ Failure Assessment; ICU = intensive care unit