

A nomogram for predicting early mortality in patients with traumatic brain injury requiring
mechanical ventilation based on clinical laboratory data

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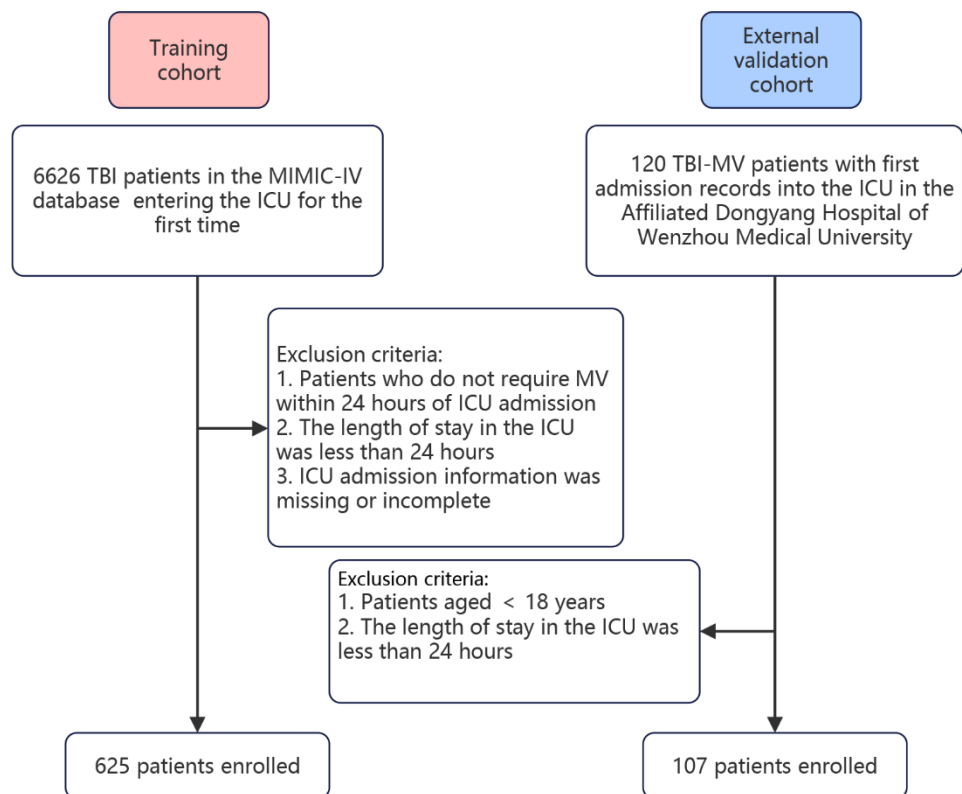
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Supplementary Figure 1 The screening process of the study population.

	Age	Sex	pCO ₂	WBC	Creatinine	PT	PTT
Age		0.405	0.171	0.104	0.797	0.147	0.698
Sex	-		0.912	0.681	0.051	0.233	0.950
pCO ₂	-	-		0.454	0.452	0.458	0.912
WBC	-	-	-		0.388	0.069	0.665
Creatinine	-	-	-	-		0.326	0.845
PT	-	-	-	-	-		0.497
PTT	-	-	-	-	-	-	

Supplementary Figure 2 The interactions between predictors. pCO₂, partial pressure of carbon dioxide; WBC, white blood cell; PT, prothrombin time; PTT, partial thromboplastin time.

Supplementary Table 1 Distribution differences of independent prognostic factors in training and external validation cohorts

	Training cohort	External validation cohort	p-value
Age, years	54.0 [32.0;74.0]	66.0 [56.0;73.5]	<0.001
Sex, n (%)			0.678
Female	203 (32.5%)	32 (29.9%)	
Male	422 (67.5%)	75 (70.1%)	
pCO ₂	40.0 [35.0;46.0]	33.3 [29.0;36.9]	<0.001
White blood cell count, 10 ⁹ /L	11.6 [8.50;15.0]	12.6 [9.65;18.8]	0.006
Creatinine, mg/dL	0.90 [0.70;1.10]	0.84 [0.67;1.05]	0.415
PT, s	13.3 [12.1;15.0]	15.3 [14.3;16.7]	<0.001
PTT, s	27.5 [25.1;31.1]	39.1 [34.5;44.0]	<0.001

pCO₂, partial pressure of carbon dioxide; PT, prothrombin time; PTT, partial thromboplastin time.