



Figure S1. Flowchart of the study and procedure selection

Table S1. Prognostic value of lymphocytes and early variation of lymphocyte according age or gender to predict severity of disease

Severity	Lymphocyte count		Δ lymphocytes H24	
	AUC [95% IC]	P	AUC [95% IC]	P
male	55.7371 [50.6916 ; 60.7826]	0.0244	62.4692 [57.134 ; 67.8045]	<0.001
female	55.2676 [47.7256 ; 62.8097]	0.1644	58.933 [50.8892 ; 66.9768]	0.0267
AGE<58	64.6534 [56.5681 ; 72.7387]	<0.001	68.5554 [60.4667 ; 76.6441]	<0.001
AGE=58,69	53.414 [45.7324 ; 61.0956]	0.3832	60.1199 [52.0976 ; 68.1421]	0.0139
AGE=69,79	58.2317 [50.6485 ; 65.8148]	0.0337	61.4056 [53.2386 ; 69.5726]	0.0061

AGE \geq 79	63.5238 [50.334 ; 76.7137]	0.039	52.9075 [39.4888 ; 66.3262]	0.6588
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Table S2. Prognostic value of lymphocytes and early variation of lymphocyte according age or gender to predict mortality

Mortality	Lymphocyte count		Δ lymphocytes H24	
	AUC [95% IC]	P	AUC [95% IC]	P
male	65.4739 [59.5053 ; 71.4424]	<0.001	56.3789 [49.5827 ; 63.1751]	0.0656
female	55.6339 [46.2876 ; 64.9802]	0.2332	63.7241 [54.8638 ; 72.5843]	0.0022
AGE<58	80.8926 [66.0277 ; 95.7575]	<0.001	51.4357 [37.2431 ; 65.6283]	0.8362
AGE=58,69	56.8512 [43.0295 ; 70.6729]	0.3082	69.5767 [58.1491 ; 81.0044]	<0.001
AGE=69,79	57.5609 [48.3711 ; 66.7507]	0.1074	61.1524 [51.4125 ; 70.8924]	0.023
AGE \geq 79	56.5304 [48.1727 ; 64.8882]	0.123	54.0022 [44.3554 ; 63.6489]	0.4145