

Supplementary Information

The prognosis of elderly patients with acute ST-segment elevation myocardial infarction in Northeast China is poor

Supplementary Table S1. Cox regression analysis for predicting the eighteen-month MACEs in the overall population

Variables	Univariate analysis*			Multivariate analysis		
	HR	95% CI	P	HR	95% CI	P
LVEF	0.956	0.931-0.981	0.001			
Cr	1.011	1.003-1.020	0.010			
Age	1.027	1.008-1.047	0.005	1.028	1.007-1.049	0.008
Previous PCI	2.523	1.101-5.779	0.029			
Heart rate	1.019	1.005-1.034	0.007			
SBP	0.992	0.985-1.000	0.049			
Leukocyte count	1.096	1.038-1.156	0.001	1.086	1.021-1.155	0.008
Lymphocyte count	1.270	1.011-1.595	0.040			
Neutrophil count	1.084	1.024-1.147	0.005			
Pre-procedure TIMI flow	0.787	0.623-0.995	0.045			
Killip class	1.872	1.536-2.282	<0.001	1.624	1.302-2.025	<0.001
Number of involved vessels	1.619	1.243-2.110	<0.001	1.493	1.143-1.952	0.003
Length of stay	1.040	1.004-1.075	0.027			
Post-procedure TIMI 3 flow	0.468	0.254-0.859	0.014	0.439	0.237-0.813	0.009
ACE-I	0.619	0.407-0.941	0.025			

* Variables of univariable Cox regression analysis including age, sex, hypertension, diabetes mellitus, smoking, dyslipidemia, previous stroke, previous MI, previous PCI, Killip class, SBP, DBP, heart rate, LDL-C, HDL-C, TC, TG, hemoglobin, FBG, Cr, leukocyte count, neutrophil count, lymphocyte count, LVEF, pre-procedure TIMI flow, post-procedure TIMI 3 flow, infarct-related artery, ACE-I, beta-blockers, length of stent, stent diameter, total stents per patient, thrombus aspiration, CHF, AF, length of stay. ACE-I, angiotensin-converting enzyme inhibitors; CI, confidence interval; Cr, creatinine; HR, hazard ratio; PCI, percutaneous transluminal coronary intervention; LVEF, left ventricular ejection fraction; SBP, systolic blood pressure.

Supplementary Table S2. Cox regression analysis for predicting the eighteen-month MACEs in the younger group

Variables	Univariate analysis*			Multivariate analysis		
	HR	95% CI	<i>P</i>	HR	95% CI	<i>P</i>
Leukocyte count	1.114	1.019-1.218	0.018			
Neutrophil count	1.110	1.010-1.221	0.030			
Killip class	1.823	1.264-2.629	0.001	1.728	1.182-2.527	0.005
Length of stay	0.684	0.548-0.8550	0.001	0.708	0.570-0.878	0.002
Length of stent	1.029	1.004-1.055	0.023	1.030	1.003-1.057	0.028

* Variables of univariable Cox regression analysis including age, sex, hypertension, diabetes mellitus, smoking, dyslipidemia, previous stroke, previous MI, previous PCI, Killip class, SBP, DBP, heart rate, LDL-C, HDL-C, TC, TG, hemoglobin, FBG, Cr, leukocyte count, neutrophil count, lymphocyte count, LVEF, pre-procedure TIMI flow, post-procedure TIMI 3 flow, infarct-related artery, ACE-I, beta-blockers, length of stent, stent diameter, total stents per patient, thrombus aspiration, CHF, AF, length of stay.