

Table3. Analysis of risk factors of contrast-induced nephropathy

Variables	Univariate analysis		Multivariate analysis	
	HR (95% CI)	P	HR (95% CI)	P
Continuous variable				
Age (y)	1.052 (1.024-1.080)	<0.001		
LVEF (%)	0.994 (0.975-1.014)	0.510		
eGRF	0.998 (0.994-1.002)	0.323		
SCr (μmol /L)	0.999 (0.991-1.007)	0.840		
WBC (× 10 ⁹ /L)	0.931 (0.869-0.997)	0.042		
RBC (× 10 ⁹ /L)	1.010 (0.990-1.030)	0.343		
Hgb (g /L)	0.979 (0.960-0.999)	0.043		
HCT (%)	0.936 (0.891-0.983)	0.008	0.913 (0.848-0.984)	0.017
PLT (× 10 ⁹ /L)	0.992 (0.987-0.997)	0.001	0.988 (0.980-0.995)	0.002
UA (umol/L)	0.998 (0.996-1.001)	0.176		
Tbil (umol/L)	0.968 (0.957-1.015)	0.342		
TG (mmol /L)	1.185 (0.905-1.553)	0.218		
T-CHO (mmol /L)	0.928 (0.714-1.207)	0.579		
LDL-C (mmol /L)	0.825 (0.592-1.148)	0.254		
HDL-C (mmol /L)	1.553 (0.485-4.971)	0.459		
FBG (mmol /L)	0.920 (0.828-1.022)	0.119		
Heart rate(time)	0.994 (0.978-1.010)	0.446		
SBP (mmHg)	1.018 (1.004-1.032)	0.010		
DBP (mmHg)	1.013 (0.989-1.037)	0.310		
Duration of IABP use > 4 days	0.518 (0.379-0.686)	0.008	0.535 (0.356-0.712)	0.012
Dosage of contrast agent (mL)*	1.786 (1.136-3.672)	<0.001	1.812 (1.167-3.763)	<0.001
Stratified variable				
Female	1.372 (0.707-2.664)	0.350		
Smoking history	1.535 (0.838-2.813)	0.165		
Diabetes mellitus	0.624 (0.337-1.157)	0.134		
Hypertension	1.939 (1.021-3.682)	0.043		
Hyperlipidemia	1.469 (0.605-3.568)	0.395		
Old myocardial infarction	1.357 (0.408-4.509)	0.618		
History of PCI	2.582(0.560-11.905)	0.224		
Chronic renal insufficiency	1.745 (0.623-4.888)	0.290		
Cerebral infarction	1.601 (0.578-4.433)	0.365		
Cardiac shock	1.246 (0.521-2.979)	0.622		
Killip class (more than II)	1.008 (0.496-2.049)	0.983		
STEMI	0.544 (0.296-1.000)	0.049		

*100mL elevated. FBG: fasting blood glucose; CABG: coronary artery bypass grafting; eGFR: estimated glomerular filtration rate; LVEF: left ventricular ejection fraction; SCr: serum creatinine; Hgb: hemoglobin; HCT: hematocrit; WBC: white blood cell; T-CHO: total cholesterol; LDL-C: low-density lipoprotein cholesterol; HDL-C: high-density lipoprotein cholesterol; TG:triglycerides; RBC: red blood cells, WBC:white blood cells; PLT: blood platelet; UA: uric acid; Tbil: total bilirubin, STEMI: ST-Elevation myocardial infarction, PCI: percutaneous coronary intervention; SBP: systolic blood pressure; DBP: diastolic blood pressure.