

**Supplementary Table 1 Effects of multiple variables on large infarction size in univariate analysis**

	<b>HR</b>	<b>95% CI</b>	<b>P value</b>
Age	1.027	0.981-1.075	0.255
Gender	2.692	0.957-7.577	0.061
History of diabetes mellitus	0.647	0.217-1.931	0.435
History of hypertension	0.395	0.142-1.095	0.074
Prior PCI	0	0.000-	0.999
History of cerebrovascular disease	1.175	0.292-4.733	0.821
Current smoking	0.862	0.327-2.273	0.764
SBP on admission	0.992	0.972-1.013	0.468
Heart rate on admission	1.006	0.980-1.032	0.672
Killip Class I on admission	0.533	0.146-1.952	0.342
Troponin-I	1.033	1.014-1.051	≤ 0.001
Creatinine	1.009	0.982-1.037	0.528
Albumin	0.907	0.784-1.050	0.193
Total cholesterol	1.161	0.784-1.719	0.457
Low-density lipoprotein	1.084	0.689-1.704	0.728
High-density lipoprotein	8.452	1.523-46.896	0.015
Triglyceride	0.609	0.364-1.018	0.058
Hemoglobin	1.003	0.982-1.024	0.81
Fast Glucose	1.013	0.869-1.182	0.865
BNP	1.001	0.999-1.003	0.199
Door-to-balloon time	1.01	1.001-1.019	0.025
Culprit vessels	3.256	1.559-6.800	0.002
Use of intra-aortic balloon pump	1.761	0.153-20.298	0.65
TIMI flow grade 3 post PCI	4.79E+08	0.000-	0.999
LVEDV	1.002	0.986-1.019	0.784
LVESV	1.019	1.003-1.036	0.024

SV	0.931	0.896-0.967	< 0.001
LVEF	0.923	0.882-0.966	0.001
AAR	2.851	0.034-239.18	0.012
MVO	2.611	1.007-6.774	0.048
IMH	4.133	1.598-10.693	0.003
MSI	0.013	0.002-0.099	< 0.001

---

PCI: Percutaneous coronary intervention; SBP: Systolic blood pressure; BNP: Brain natriuretic peptide; LVEDV: Left ventricular end-diastolic volume; LVESV: Left ventricular end-systolic volume; SV: Stroke volume; LVEF: Left ventricular ejection fraction; AAR: Area at risk; IS: Infarction size; MVO: Microvascular obstruction; IMH: Intramyocardial hemorrhage; MSI: Myocardial salvage index.