

Supplementary Figure 1. Study flow chart. Totally 1229 eligible patients were enrolled in this cohort study. Model was developed with 534 patients from a single center and tested it in the validation cohort (386 patients from another single center named yang-hu hospital area). Moreover, a prospective cohort of 309 patients were enrolled for external validation. AMI = acute myocardial infraction; CAG = coronary angiography; PCI = percutaneous coronary intervention.