**Appendix 1**. A list of candidate predictor variables.

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| **MEDICAL HISTORY** | **VARIABLES COLLECTED AT ADMISSION** | **VARIABLES COLLECTED DURING HOSPITALIZATION** | **VARIABLES COLLECTED AT DISCHARGE** |
| AgeMale genderTime from symptom onset to admissionAngina pectoris de novo * >2 weeks
* <2 weeks
* >2months
* <2months

HypertensionDiabetesDyslipidemiaSmokingPrevious MIPrior PCIPrior CABGPrior strokePrior PVDCHF NYHA class III/IVCOPD or asthmaSCA prior to hospitalization  | Heart rateSBPDBPKillip classST-segment elevationST-segment depressionNegative T wavesSinus rhythmRegular rhythmST elevation in leads II, III and aVFST elevation in leads V1 – V4LBBBRBBBFirst measurement of troponinMaximum troponin I valueMaximum CK-MB isoenzyme valueTCTAGCreatinineeGFRMDRD | MV-CAD PCI CABG LM stenosisLAD stenosisLCx stenosisRCA stenosisTIMI flow before PCITIMI flow after PCIPOBACardiac stent implantationIABPPharmacotherapy ASA* Antiplatelets
* GP IIb/IIIa inhibitors
* UFH/LMWH
* ACE inhibitors
* Statins
* Beta adrenolytics

Re-infarctionResuscitated SCARecurrence of angina pectoris with ischemia on ECGRecurrence of angina pectoris without ischemia on ECG StrokeVentricular arrhythmiasSupraventricular arrhythmiasPulmonary edemaCardiogenic shockSignificant bleeding | Length of hospital stayDischarged home Pharmacotherapy* ASA
* Antiplatelets
* GP IIb/IIIa inhibitors
* UFH/LMWH
* ACE inhibitors
* Statins
* Beta adrenolytics
 |

ACE, angiotensin-converting-enzyme; ASA, acetylsalicylic acid; CABG, coronary artery bypass grafting; CHF, chronic heart failure; COPD, chronic obstructive pulmonary disease; DBP, diastolic blood pressure; ECG, electrocardiography; eGFR, estimated glomerular filtration rate; HDL, high-density lipoprotein; HR, heart rate; IABP, intra-aortic balloon pump; LAD, left anterior descending artery; LBBB, left bundle branch block; LCX, left circumflex artery; LDL, low-density lipoprotein; LM, left main coronary artery; LMWH, low molecular weight heparin; MI, myocardial infarction; MDRD, glomerular filtration rate using the modification of diet in renal disease; MV-CAD, multivessel coronary artery disease; PCI, percutaneous coronary intervention; POBA, plain old balloon angioplasty; PVD, peripheral vascular disease; RBBB, right bundle branch block; RCA, right coronary artery; SCA, sudden cardiac arrest; SBP, systolic blood pressure; TAG, triglycerides; TC, total cholesterol; TIMI, thrombolysis in myocardial infarction; UFH, unfractionated heparin