**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** |
| Age  Male gender  Time from symptom onset to admission  Angina pectoris de novo   * >2 weeks * <2 weeks * >2months * <2months   Hypertension  Diabetes  Dyslipidemia  Smoking  Previous MI  Prior PCI  Prior CABG  Prior stroke  Prior PVD  CHF NYHA class III/IV  COPD or asthma  SCA prior to hospitalization | Heart rate  SBP  DBP  Killip class  ST-segment elevation  ST-segment depression  Negative T waves  Sinus rhythm  Regular rhythm  ST elevation in leads II, III and aVF  ST elevation in leads V1 – V4  LBBB  RBBB  First measurement of troponin  Maximum troponin I value  Maximum CK-MB isoenzyme value  TC  TAG  Creatinine  eGFR  MDRD | MV-CAD  PCI  CABG  LM stenosis  LAD stenosis  LCx stenosis  RCA stenosis  TIMI flow before PCI  TIMI flow after PCI  POBA  Cardiac stent implantation  IABP  Pharmacotherapy ASA   * Antiplatelets * GP IIb/IIIa inhibitors * UFH/LMWH * ACE inhibitors * Statins * Beta adrenolytics   Re-infarction  Resuscitated SCA  Recurrence of angina pectoris with ischemia on ECG  Recurrence of angina pectoris without ischemia on ECG  Stroke  Ventricular arrhythmias  Supraventricular arrhythmias  Pulmonary edema  Cardiogenic shock  Significant bleeding | Length of hospital stay  Discharged 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