Supplementary Materials

Three-year clinical outcomes based on pre-percutaneous coronary intervention coronary blood flow grade and symptom-to-balloon time in patients with non-ST-segment elevation myocardial infarction

Supplementary Online Contents

Table S1. Results of the collinearity test for all-cause death between the SBT <48 h and SBT ≥48 h groups

	Variance Inflation Factors	Tolerance	Condition Index
Male	1.308	0.765	1.000
Age	2.438	0.410	3.036
LVEF	1.310	0.763	3.122
BMI	1.173	0.852	3.527
Cardiogenic shock	1.315	0.761	3.881
CPR on admission	1.513	0.661	3.928
SDT	1.041	0.960	4.135
DBT	1.080	0.926	4.352
Atypical chest pain	1.195	0.837	4.453
Dyspnea	1.244	0.804	4.545
Q-wave	1.033	0.968	4.757
T-wave inversion	1.102	0.907	4.843
Killip class II/III	1.515	0.660	5.166
EMS	1.089	0.919	5.205
PCI center	1.120	0.893	5.349
Diabetes mellitus	1.109	0.902	5.412
Current smoker	1.326	0.754	5.673
Peak CK-MB	1.193	0.838	5.787

Peak troponin-I	1.229	0.814	5.944
Total cholesterol	4.291	0.233	6.312
LDL-cholesterol	4.229	0.236	7.493
GRACE risk score	3.057	0.327	8.567
Clopidogrel	1.097	0.912	9.252
LCx (IRA)	3.384	0.296	10.695
LAD (treated vessel)	2.192	0.456	12.402
LCx (treated vessel)	2.203	0.454	14.510
ACC/AHA type B2/C lesions	1.082	0.924	22.085
Transradial approach	1.104	0.906	27.883
IVUS/OCT	1.063	0.941	36.427
Stent length	2.523	0.396	40.641
Number of stents	2.389	0.418	68.321

SBT, symptom-to-balloon time; LVEF, left ventricular ejection fraction; BMI, body mass index; CPR, cardiopulmonary resuscitation; SDT, symptom-to-door time; DBT, door-to-balloon time; EMS, emergency medical service; PCI, percutaneous coronary intervention; CK-MB, creatine kinase myocardial band; LDL, low-density lipoprotein; GRACE, Global Registry of Acute Coronary Events; LCx, left circumflex coronary artery; IRA, infarct-related artery; LAD, left anterior descending coronary artery; ACC/AHA, American College of Cardiology/American Heart Association; IVUS, intravascular ultrasound; OCT, optical coherence tomography.

Table S2. Baseline characteristics between the SBT <48 h and SBT ≥48 h groups before and after propensity score-matched analysis

Variables	All patients (n = 4910)			Propensity score-matched patients (n = 3058)			
	SBT <48 h (*n* = 3293, group A+C)	SBT ≥48 h (*n* = 1617, group B+D)	*p* value	SBT <48 h (*n* = 1529)	SBT ≥48 h (*n* = 1529)	*p* value	SD
Male, *n* (%)	2432 (73.9)	1118 (69.1)	0.001	1073 (70.2)	1071 (70.0)	0.968	0.04
Age, years	63.6 ± 12.0	66.6 ± 12.1	<0.001	66.2 ± 11.6	66.2 ± 12.2	0.881	-0.05
LVEF, %	54.5 ± 10.5	52.8 ± 11.9	<0.001	53.4 ± 11.1	53.3 ± 11.6	0.851	0.09
BMI, kg/m^2	24.1 ± 3.3	24.0 ± 3.4	0.462	24.1 ± 3.3	24.0 ± 3.4	0.517	0.29
SBP, mmHg	135.1 ± 26.9	135.7 ± 25.6	0.437	135.6 ± 26.4	135.7 ± 25.7	0.878	-0.03
DBP, mmHg	81.5 ± 15.8	80.8 ± 15.0	0.133	80.8 ± 15.5	80.9 ± 15.1	0.784	-0.07
Cardiogenic shock, *n* (%)	167 (5.1)	53 (3.3)	0.004	60 (3.9)	52 (3.4)	0.501	0.27
CPR on admission, *n* (%)	103 (3.1)	56 (3.5)	0.549	53 (3.5)	52 (3.4)	0.921	0.05
Atypical chest pain, *n* (%)	453 (13.8)	361 (22.3)	<0.001	291 (19.0)	305 (19.9)	0.553	-0.23
Dyspnea, n (%)	710 (21.6)	525 (32.5)	<0.001	459 (30.0)	455 (29.8)	0.906	0.04
EKG on admission							
Q-wave, n (%)	244 (7.4)	154 (9.5)	0.012	134 (8.8)	133 (8.7)	0.949	0.03
ST-segment depression, *n* (%)	773 (23.5)	337 (20.8)	0.039	345 (22.6)	325 (21.3)	0.406	0.31
T-wave inversion, *n* (%)	716 (21.7)	429 (26.5)	<0.001	406 (26.6)	400 (26.2)	0.837	0.09
Atrial fibrillation, *n* (%)	134 (4.1)	74 (4.6)	0.408	64 (4.2)	69 (4.5)	0.723	-0.15
Killip class 1I/III, *n* (%)	474 (14.4)	325 (20.1)	<0.001	289 (18.9)	286 (18.7)	0.926	0.05
First medical contact							
EMS, *n* (%)	397 (12.1)	100 (6.2)	<0.001	99 (6.5)	100 (6.5)	0.942	-0.03
Non-PCI center, *n* (%)	1745 (53.0)	884 (54.7)	0.273	845 (55.3)	837 (54.7)	0.799	0.12
PCI center, *n* (%)	1151 (35.0)	633 (39.1)	0.004	585 (38.3)	592 (38.7)	0.824	-0.08
Hypertension, *n* (%)	1715 (52.1)	910 (56.3)	0.006	874 (57.2)	857 (56.0)	0.559	0.24
Diabetes mellitus, *n* (%)	965 (29.3)	535 (33.1)	0.008	511 (33.4)	497 (32.5)	0.617	0.19
Dyslipidemia, *n* (%)	397 (12.1)	188 (11.6)	0.673	175 (11.4)	180 (11.8)	0.821	-0.12
Previous MI, *n* (%)	229 (7.0)	114 (7.1)	0.905	111 (7.3)	107 (7.0)	0.833	0.12
Previous PCI, *n* (%)	328 (10.0)	156 (9.6)	0.760	153 (10.0)	150 (9.8)	0.904	0.07

Previous CABG, *n* (%)	25 (0.8)	15 (0.9)	0.613	15 (1.0)	14 (0.9)	0.852	0.10
Previous HF, *n* (%)	50 (1.5)	30 (1.9)	0.402	27 (1.8)	28 (1.8)	0.892	-0.09
Previous stroke, *n* (%)	187 (5.7)	118 (7.3)	0.032	112 (7.3)	108 (7.1)	0.834	0.08
Current smokers, *n* (%)	1262 (38.3)	508 (31.4)	<0.001	498 (32.6)	494 (32.3)	0.908	0.06
Peak CK-MB, mg/dL	29.6 (7.7-99.9)	12.3 (4.8-42.3)	<0.001	17.3 (5.7-56.9)	12.9 (4.9-44.8)	0.474	0.40
Peak troponin-I, ng/mL	13.0 (2.5-24.0)	5.0 (1.3-21.6)	<0.001	6.7 (1.6-22.5)	5.2 (1.3-22.5)	0.200	0.46
Serum creatinine (mg/L)	1.13 ± 1.33	1.20 ± 1.37	0.098	1.18 ± 1.39	1.18 ± 1.37	0.979	0.01
Total cholesterol, mg/dL	180.3 ± 46.1	175.6 ± 45.2	0.001	176.1 ± 45.6	176.1 ± 44.6	0.974	-0.01
Triglyceride, mg/L	134.4 ± 112.6	128.6 ± 100.4	0.102	131.4 ± 99.2	129.8 ± 98.3	0.693	0.16
HDL cholesterol, mg/L	42.9 ± 11.6	42.2 ± 11.9	0.048	41.7 ± 10.9	42.3 ± 11.4	0.165	-0.54
LDL cholesterol, mg/L	113.8 ± 39.1	110.0 ± 38.9	0.003	111.1 ± 37.3	110.6 ± 36.6	0.712	0.13
GRACE risk score	130.0 ± 41.7	136.1 ± 40.5	<0.001	135.4 ± 41.7	135.0 ± 40.5	0.796	0.09
Discharge medications, *n* (%)							
Aspirin, *n* (%)	3258 (98.9)	1601 (99.0)	0.882	1512 (98.9)	1513 (99.0)	0.861	-0.10
Clopidogrel, *n* (%)	2316 (70.3)	1201 (74.3)	0.004	1139 (74.5)	1130 (73.9)	0.741	0.14
Ticagrelor, *n* (%)	657 (20.0)	289 (17.9)	0.083	270 (17.7)	278 (18.2)	0.741	-0.13
Prasugrel, *n* (%)	320 (9.7)	127 (7.9)	0.035	120 (7.8)	121 (7.9)	0.946	-0.04
BBs, *n* (%)	2798 (85.0)	1338 (82.7)	0.046	1279 (83.6)	1273 (83.3)	0.808	0.08
ACEI or ARBs, *n* (%)	2745 (83.4)	1282 (79.3)	0.001	1230 (80.4)	1226 (80.2)	0.891	0.05
Statin, *n* (%)	3119 (94.7)	1508 (93.3)	0.043	1435 (93.9)	1431 (93.6)	0.823	0.12
Anticoagulant, *n* (%)	56 (1.7)	50 (3.1)	0.002	45 (2.9)	39 (2.6)	0.580	0.18
Infarct-related artery							
Left main, *n* (%)	91 (2.8)	57 (3.5)	0.155	49 (3.2)	53 (3.5)	0.689	-0.17
LAD, *n* (%)	1376 (41.8)	700 (43.3)	0.325	674 (44.1)	658 (43.0)	0.584	0.22
LCx, *n* (%)	896 (27.2)	363 (22.4)	<0.001	346 (22.6)	354 (23.2)	0.763	-0.14
RCA, *n* (%)	930 (28.2)	484 (29.9)	0.227	460 (30.1)	464 (30.3)	0.906	-0.04
Treated vessel							
Left main, *n* (%)	134 (4.1)	89 (5.5)	0.028	81 (5.3)	78 (5.1)	0.871	0.09
LAD, *n* (%)	1832 (55.6)	967 (59.8)	0.006	911 (59.6)	913 (59.7)	0.971	-0.02
LCx, *n* (%)	1299 (39.4)	589 (36.4)	0.042	563 (36.8)	564 (36.9)	0.970	-0.02

RCA, *n* (%)	1216 (36.9)	629 (38.9)	0.188	593 (38.8)	604 (39.5)	0.711	-0.14
ACC/AHA type B2/C lesions, *n* (%)	2804 (85.2)	1356 (84.0)	0.310	1291 (84.4)	1288 (84.2)	0.921	0.05
Transradial approach, *n* (%)	1678 (51.0)	867 (53.6)	0.083	798 (52.2)	816 (53.4)	0.538	-0.24
GP IIb/IIIa inhibitor, *n* (%)	306 (9.3)	127 (7.9)	0.097	116 (7.6)	114 (7.5)	0.945	0.04
IVUS/OCT, *n* (%)	789 (24.0)	452 (28.0)	0.003	426 (27.9)	414 (27.1)	0.656	0.18
FFR, *n* (%)	59 (1.8)	46 (2.8)	0.021	45 (2.9)	44 (2.9)	0.914	0.04
Stent							
Bare-metal stent, n (%)	96 (2.9)	60 (3.7)	0.141	50 (3.3)	56 (3.7)	0.621	-0.22
1st-generation DES, n (%)	122 (3.7)	65 (4.0)	0.580	61 (4.0)	59 (3.9)	0.926	0.05
2nd-generation DES, n (%)	3075 (93.4)	1492 (92.3)	0.153	1418 (92.7)	1414 (92.5)	0.836	0.07
Stent diameter (mm)	3.08 ± 0.44	3.06 ± 0.43	0.121	3.06 ± 0.42	3.07 ± 0.43	0.794	-0.23
Stent length (mm)	28.9 ± 13.4	30.5 ± 15.1	<0.001	30.3 ± 14.1	30.2 ± 14.8	0.923	0.06
Number of stents	1.19 ± 0.44	1.24 ± 0.49	0.002	1.23 ± 0.49	1.23 ± 0.48	0.765	0.24

Values are means ± standard deviation or median (interquartile range) or numbers and percentages. The *p* values for continuous data were obtained from the unpaired t-test. The *p* values for categorical data were obtained from the chi-square or Fisher's exact test. Pre-PCI TIMI, pre-percutaneous coronary intervention thrombolysis in myocardial infarction flow grade; SBT, symptom-to-balloon time; LVEF, left ventricular ejection fraction; BMI, body mass index; SBP, systolic blood pressure; DBP, diastolic blood pressure; CPR, cardiopulmonary resuscitation; EKG, electrocardiogram; EMS, emergency medical service; MI, myocardial infarction; CABG, coronary artery bypass graft; HF, heart failure; CK-MB, creatine kinase myocardial band; HDL, high-density lipoprotein; LDL, low-density lipoprotein; GRACE, Global Registry of Acute Coronary Events; BBs, beta-blockers; ACEIs, angiotensin converting enzyme inhibitors; ARBs, angiotensin receptor blockers; LAD, left anterior descending coronary artery; LCx, left circumflex coronary artery; RCA, right coronary artery; ACC/AHA, American College of Cardiology/American Heart Association; GP, glycoprotein; IVUS/OCT, intravascular ultrasound/optical coherence tomography; FFR, fractional flow reserve; DES, drug-eluting stent.

Table S3. Results of the collinearity test for all-cause death between the
pre-PCI TIMI 0/1 and pre-PCI TIMI 2/3 groups

	Variance Inflation Factors	Tolerance	Condition Index
Male	1.247	0.802	1.000
Age	2.504	0.399	3.243
LVEF	1.315	0.761	3.334
BMI	1.211	0.826	3.421
SBP	3.181	0.314	3.928
DBP	2.933	0.341	4.329
Cardiogenic shock	1.291	0.774	4.371
CPR on admission	1.520	0.658	3.788
SDT	1.035	0.966	3.932
DBT	1.084	0.923	3.991
Atypical chest pain	1.198	0.835	4.202
Dyspnea	1.246	0.802	4.258
Q-wave	1.038	0.963	5.015
Killip class II/III	1.579	0.633	5.128
Hypertension	1.204	0.830	5.457
Diabetes mellitus	1.146	0.872	5.311
Dyslipidemia	1.044	0.958	5.627
Peak CK-MB	1.195	0.837	5.705
Peak troponin-I	1.225	0.817	6.057
Total cholesterol	4.335	0.231	6.094
LDL-cholesterol	4.250	0.235	6.322
GRACE risk score	3.684	0.271	6.831
Ticagrelor	1.061	0.943	7.279
Left main (IRA)	3.043	0.329	8.551
LAD (IRA)	3.641	0.275	9.253
LCx (IRA)	4.560	0.219	9.368
RCA (IRA)	2.878	0.347	10.219
Left main (treated vessel)	2.241	0.425	11.690
LAD (treated vessel)	2.321	0.431	12.427
LCx (treated vessel)	3.122	0.446	13.224
RCA (treated vessel)	1.085	0.320	16.255
ACC/AHA type B2/C lesions	1.108	0.922	22.012
Transradial approach	1.085	0.902	22.715
GP IIb/IIIa inhibitor, n (%)	1.514	0.934	24.089
IVUS/OCT	1.108	0.907	25.542
FFR	1.104	0.987	28.833
1st-generation DES	2.083	0.480	36.509
2nd-generation DES	2.165	0.462	42.186
Stent diameter	1.221	0.819	45.193
Stent length	2.602	0.384	55.564
Number of stents	2.415	0.414	90.710

Pre-PCI TIMI, pre-percutaneous coronary intervention thrombolysis in myocardial infarction
flow grade; LVEF, left ventricular ejection fraction; BMI, body mass index; SBP, systolic blood
pressure; DBP, diastolic blood pressure; CPR, cardiopulmonary resuscitation; SDT, symptom-

to-door time; DBT, door-to-balloon time; CK-MB, creatine kinase myocardial band; LDL, low-density lipoprotein; GRACE, Global Registry of Acute Coronary Events; IRA, infarct-related artery; LAD, left anterior descending coronary artery; LCx, left circumflex coronary artery; RCA, right coronary artery; ACC/AHA, American College of Cardiology/American Heart Association; IVUS, intravascular ultrasound; OCT, optical coherence tomography; FFR, fractional flow reserve; DES, drug-eluting stent.

Table S4. Baseline characteristics between the pre-PCI TIMI 0/1 and pre-PCI TIMI 2/3 groups in patients with SBT <48 h or ≥48 h

Variables	SBT <48 h (n = 3293)			SBT ≥48 h (n = 1617)		
	Pre-TIMI 0/1 (*n* = 1328, group A)	Pre-TIMI 2/3 (*n* = 1965, group C)	*p* value	Pre-TIMI 0/1 (*n* = 558, group B)	Pre-TIMI 2/3 (*n* = 1059, group D)	*p* value
Male, *n* (%)	996 (75.5)	1436 (73.1)	0.225	395 (70.8)	723 (68.3)	0.308
Age, years	62.5 ± 12.2	64.4 ± 11.8	<0.001	66.3 ± 12.4	66.8 ± 12.0	0.430
LVEF, %	53.4 ± 9.8	55.2 ± 10.9	<0.001	50.3 ± 9.4	54.1 ± 11.6	<0.001
BMI, kg/m^2	24.2 ± 3.4	24.0 ± 3.3	0.023	23.9 ± 3.3	24.1 ± 3.5	0.282
SBP, mmHg	133.7 ± 26.7	136.0 ± 26.5	0.015	133.0 ± 28.0	137.1 ± 24.6	0.003
DBP, mmHg	81.0 ± 16.4	81.8 ± 15.4	0.185	79.7 ± 16.0	81.3 ± 14.4	0.039
Cardiogenic shock, *n* (%)	71 (5.3)	96 (4.9)	0.571	19 (3.4)	34 (3.2)	0.883
CPR on admission, *n* (%)	39 (2.9)	64 (3.3)	0.683	21 (3.8)	35 (3.3)	0.668
SDT, hours	4.7 (2.0-11.3)	4.0 (1.8-9.3)	0.004	65.0 (21.5-114.2)	48.0 (9.1-101.0)	0.165
DBT, hours	6.2 (2.8-16.0)	10.8 (3.6-19.9)	<0.001	24.6 (6.0-56.5)	39.1 (16.7-63.2)	0.133
Atypical chest pain, *n* (%)	178 (13.4)	275 (14.0)	0.643	137 (24.6)	224 (21.2)	0.132
Dyspnea, *n* (%)	297 (22.4)	413 (21.0)	0.365	202 (36.2)	323 (30.5)	0.022
EKG on admission						
Q-wave, *n* (%)	133 (10.0)	111 (5.6)	<0.001	63 (11.3)	91 (8.6)	0.090
ST-segment depression, *n* (%)	308 (23.2)	465 (23.7)	0.769	112 (20.1)	225 (21.2)	0.607
T-wave inversion, *n* (%)	279 (21.0)	437 (22.2)	0.413	144 (25.8)	285 (26.9)	0.678
Atrial fibrillation, *n* (%)	48 (3.6)	86 (4.4)	0.323	25 (4.5)	49 (4.6)	0.893
Killip class 1I/III, *n* (%)	225 (16.9)	249 (12.7)	0.001	143 (25.6)	182 (17.2)	<0.001
First medical contact						
EMS, *n* (%)	167 (12.6)	230 (11.7)	0.478	31 (5.6)	69 (6.5)	0.515
Non-PCI center, *n* (%)	698 (52.6)	1047 (53.3)	0.696	310 (55.6)	574 (54.2)	0.636
PCI center, *n* (%)	463 (34.9)	688 (35.0)	0.941	217 (38.9)	416 (39.3)	0.915
Hypertension, *n* (%)	638 (48.0)	1077 (54.8)	<0.001	293 (52.5)	617 (58.3)	0.027
Diabetes mellitus, *n* (%)	334 (25.2)	631 (32.1)	<0.001	176 (31.5)	359 (33.9)	0.345
Dyslipidemia, *n* (%)	139 (10.5)	258 (13.1)	0.022	59 (10.6)	129 (12.2)	0.370

Previous MI, *n* (%)	97 (7.3)	132 (6.7)	0.530	33 (5.9)	81 (7.6)	0.220
Previous PCI, *n* (%)	132 (9.9)	196 (10.0)	0.974	48 (8.6)	108 (10.2)	0.330
Previous CABG, *n* (%)	6 (0.5)	19 (1.0)	0.095	5 (0.9)	10 (0.9)	0.923
Previous HF, *n* (%)	14 (1.1)	36 (1.8)	0.082	7 (1.3)	23 (2.2)	0.246
Previous stroke, *n* (%)	68 (5.1)	119 (6.1)	0.283	37 (6.6)	81 (7.6)	0.483
Current smokers, *n* (%)	530 (39.9)	732 (37.3)	0.125	175 (31.5)	332 (31.4)	0.955
Peak CK-MB, mg/dL	61.2 (11.5-153.9)	19.8 (6.5-65.5)	<0.001	15.0 (5.0-51.8)	10.8 (4.5-32.2)	0.079
Peak troponin-I, ng/mL	19.1 (4.8-42.7)	5.4 (1.2-20.7)	<0.001	7.1 (2.2-20.8)	3.0 (0.8-10.6)	<0.001
Serum creatinine (mg/L)	1.10 ± 1.28	1.14 ± 1.37	0.390	1.23 ± 1.50	1.18 ± 1.29	0.455
Total cholesterol, mg/dL	186.6 ± 46.8	176.1 ± 45.1	<0.001	179.5 ± 45.5	173.5 ± 44.9	0.013
Triglyceride, mg/L	136.1 ± 125.2	133.2 ± 137.4	0.552	128.2 ± 116.0	128.8 ± 90.9	0.922
HDL cholesterol, mg/L	42.9 ± 11.5	42.9 ± 11.7	0.975	42.0 ± 11.8	42.3 ± 11.9	0.601
LDL cholesterol, mg/L	118.4 ± 39.8	111.2 ± 38.5	<0.001	112.5 ± 38.1	109.0 ± 39.2	0.108
GRACE risk score	128.7 ± 42.4	130.9 ± 41.2	0.147	139.2 ± 43.3	134.5 ± 38.8	0.031
Discharge medications, *n* (%)						
Aspirin, *n* (%)	1316 (99.1)	1942 (98.8)	0.494	552 (98.9)	1049 (99.1)	0.796
Clopidogrel, *n* (%)	951 (71.6)	1365 (69.5)	0.199	428 (76.7)	773 (73.0)	0.107
Ticagrelor, *n* (%)	239 (18.0)	418 (21.3)	0.021	82 (14.7)	207 (19.5)	0.017
Prasugrel, *n* (%)	138 (10.4)	182 (9.3)	0.308	48 (8.6)	79 (7.5)	0.437
BBs, *n* (%)	1132 (85.2)	1666 (84.8)	0.728	456 (81.7)	882 (83.3)	0.447
ACEI or ARBs, *n* (%)	1097 (82.6)	1648 (83.9)	0.341	446 (79.9)	879 (83.0)	0.135
Statin, *n* (%)	1251 (94.2)	1868 (95.1)	0.302	515 (92.3)	993 (93.8)	0.297
Anticoagulant, *n* (%)	38 (2.9)	43 (2.2)	0.251	22 (3.9)	33 (3.1)	0.389
Infarct-related artery						
Left main, *n* (%)	12 (0.9)	79 (4.0)	<0.001	7 (1.3)	50 (4.7)	<0.001
LAD, *n* (%)	410 (30.9)	966 (49.2)	<0.001	195 (34.9)	505 (47.7)	<0.001
LCx, *n* (%)	446 (33.6)	450 (22.9)	<0.001	128 (22.9)	235 (22.2)	0.754
RCA, *n* (%)	460 (34.6)	470 (23.9)	<0.001	215 (38.5)	269 (25.4)	<0.001
Treated vessel						
Left main, *n* (%)	28 (2.1)	106 (5.4)	<0.001	20 (3.6)	69 (6.5)	0.016

LAD, *n* (%)	605 (45.6)	1227 (62.4)	<0.001	299 (53.6)	668 (63.1)	<0.001
LCx, *n* (%)	597 (45.0)	702 (35.7)	<0.001	209 (37.5)	380 (35.9)	0.550
RCA, *n* (%)	565 (42.5)	651 (33.1)	<0.001	257 (46.1)	372 (35.1)	<0.001
ACC/AHA type B2/C lesions, *n* (%)	1148 (86.4)	1656 (84.3)	0.090	493 (88.4)	863 (81.5)	0.001
Transradial approach, *n* (%)	567 (42.7)	1111 (56.5)	<0.001	270 (48.4)	597 (56.4)	0.002
GP IIb/IIIa inhibitor, *n* (%)	193 (14.5)	113 (5.8)	<0.001	74 (13.3)	53 (5.0)	<0.001
IVUS/OCT, *n* (%)	236 (17.8)	553 (28.1)	<0.001	135 (24.2)	317 (29.9)	0.014
FFR, *n* (%)	15 (1.1)	44 (2.2)	0.022	10 (1.8)	36 (3.4)	0.082
Stents						
Bare-metal stent, *n* (%)	30 (2.3)	66 (3.4)	0.073	18 (3.2)	42 (4.0)	0.492
1st-generation DES, *n* (%)	43 (3.2)	79 (4.0)	0.260	13 (2.3)	52 (4.9)	0.011
2nd-generation DES, *n* (%)	1255 (94.5)	1820 (92.6)	0.038	527 (94.4)	965 (91.1)	0.019
Stent diameter (mm)	3.04 ± 0.42	3.12 ± 0.44	<0.001	3.02 ± 0.40	3.09 ± 0.44	0.001
Stent length (mm)	30.4 ± 13.8	28.0 ± 13.1	<0.001	32.7 ± 16.2	29.3 ± 14.3	<0.001
Number of stents	1.21 ± 0.47	1.18 ± 0.42	0.023	1.26 ± 0.51	1.22 ± 0.48	0.155

Values are means ± standard deviation or median (interquartile range) or numbers and percentages. The *p* values for continuous data were obtained from the unpaired t-test. The *p* values for categorical data were obtained from the chi-square or Fisher's exact test. Pre-PCI TIMI, pre-percutaneous coronary intervention thrombolysis in myocardial infarction flow grade; SBT, symptom-to-balloon time; LVEF, left ventricular ejection fraction; BMI, body mass index; SBP, systolic blood pressure; DBP, diastolic blood pressure; CPR, cardiopulmonary resuscitation; SDT, symptom-to-door time; DBT, door-to-balloon time; EKG, electrocardiogram; EMS, emergency medical service; MI, myocardial infarction; CABG, coronary artery bypass graft; HF, heart failure; CK-MB, creatine kinase myocardial band; HDL, high-density lipoprotein; LDL, low-density lipoprotein; GRACE, Global Registry of Acute Coronary Events; BBs, beta-blockers; ACEIs, angiotensin converting enzyme inhibitors; ARBs, angiotensin receptor blockers; LAD, left anterior descending coronary artery; LCx, left circumflex coronary artery; RCA, right coronary artery; ACC/AHA, American College of Cardiology/American Heart Association; GP, glycoprotein; IVUS/OCT, intravascular ultrasound/optical coherence tomography; FFR, fractional flow reserve; DES, drug-eluting stent.