

Table S1. Baseline characteristics in the training and validation cohorts

Variables	Training cohort (<i>n</i> = 450)	Validation cohort (<i>n</i> = 224)	<i>P</i> value
Demographics and clinical features			
Age, years	63.45 ± 12.63	63.42 ± 13.48	0.971
Female gender, <i>n</i> (%)	103 (22.89)	53 (23.67)	0.631
History of smoking, <i>n</i> (%)	199 (44.22)	92 (41.07)	0.437
Hypertension, <i>n</i> (%)	193 (42.89)	100 (44.64)	0.665
Diabetes mellitus, <i>n</i> (%)	130 (28.89)	57 (25.45)	0.347
Anemia, <i>n</i> (%)	99 (22.00)	48 (21.43)	0.728
Systolic pressure, mmHg	127.32 ± 46.11	127.37 ± 20.58	0.991
Diastolic pressure, mmHg	80.21 ± 45.46	80.42 ± 13.37	0.974
LVEF, %	51.91 ± 6.03	52.02 ± 6.37	0.553
Procedural features			
Door-to-balloon time, min	59.12 ± 13.21	56.17 ± 14.38	0.283
Intra-aortic balloon pump, <i>n</i> (%)	15 (3.33)	7 (2.69)	0.831
Culprit coronary artery			
Left anterior descending, <i>n</i> (%)	204 (45.33)	104 (46.41)	0.598
Left circumflex, <i>n</i> (%)	94 (20.89)	42 (18.75)	0.367
Right coronary artery, <i>n</i> (%)	150 (33.33)	77 (34.38)	0.806
Left main, <i>n</i> (%)	2 (0.44)	1 (0.45)	0.949
Total length of stent, mm	25.37 ± 12.61	23.65 ± 10.47	0.563
Total time of procedure, min	64.12 ± 40.61	59.36 ± 38.47	0.227
Contrast volume, mL	123.00 (93.50, 135.00)	118.00 (85.00, 127.00)	0.492
Laboratory values			
Total cholesterol, mmol/L	4.43 ± 1.05	4.25 ± 0.96	0.929
Triglycerides, mmol/L	1.18 (0.89, 1.71)	1.23 (0.89, 1.83)	0.614
HDL-C, mmol/L	1.02 ± 0.24	1.00 ± 0.24	0.218
LDL-C, mmol/L	2.75 ± 0.86	2.73 ± 0.81	0.806
Sd-LDL, mmol/L	0.970 ± 0.563	0.843 ± 0.444	0.067
Lipoprotein (a), mg/L	282.08 ± 203.99	311.36 ± 203.15	0.132
Prealbumin, g/L	0.223 ± 0.049	0.215 ± 0.060	0.162
Albumin, g/L	38.72 ± 4.27	37.93 ± 3.97	0.712

Total bilirubin, $\mu\text{mol/L}$	15.84 \pm 8.24	17.06 \pm 9.37	0.123
Direct bilirubin, $\mu\text{mol/L}$	5.67 \pm 2.75	6.40 \pm 3.64	0.388
Basal blood glucose, mmol/L	6.01 (5.20, 7.60)	5.89 (5.13, 7.79)	0.368
Glycosylated hemoglobin, %	6.62 \pm 1.52	6.80 \pm 1.72	0.541
Blood urea, mmol/L	5.83 \pm 1.91	6.00 \pm 2.06	0.227
Serum creatinine, $\mu\text{mol/L}$	62 (53, 74)	60 (48,75)	0.286
Uric acid, $\mu\text{mol/L}$	308.13 \pm 91.22	319.86 \pm 106.98	0.115
eGFR, $\text{ml}\cdot\text{min}^{-1}\cdot 1.73\text{m}^{-2}$	115.85 \pm 32.78	121.04 \pm 35.88	0.822
Lactate dehydrogenase, U/L	602 (474, 795)	589 (451, 702)	0.791
Creatine kinase, U/L	314 (113, 679)	332 (129, 694)	0.548
CK-MB, ng/ml	18.50 (3.82, 52.14)	19.50 (4.58, 55.23)	0.459
Hs-cTn, ng/L	195.50 (33.20, 584.48)	199.82 (35.93, 498.63)	0.714
White blood cell count, $\times 10^9/\text{L}$	10.01 \pm 2.93	10.68 \pm 3.39	0.100
Neutrophil count, $\times 10^9/\text{L}$	7.74 \pm 2.90	8.03 \pm 3.26	0.973
Lymphocyte count, $\times 10^9/\text{L}$	1.30 (0.90, 1.90)	1.40 (1.00, 2.20)	0.257
Monocyte count, $\times 10^9/\text{L}$	0.53 \pm 0.38	0.61 \pm 0.29	0.444
Platelet count, $\times 10^9/\text{L}$	207.66 \pm 58.54	216.95 \pm 60.30	0.055
Hemoglobin, g/L	139.12 \pm 17.44	139.84 \pm 17.51	0.312
Red blood cell distribution width, %	12.76 \pm 1.70	12.87 \pm 1.02	0.326
Platelet distribution width, %	15.63 \pm 10.01	12.54 \pm 2.57	0.415
Hs-CRP, mg/L	2.93 (1.20, 8.65)	2.60 (1.00, 6.30)	0.177
Neutrophil-to-lymphocyte ratio	6.20 (3.54, 9.86)	5.51 (2.96, 8.58)	0.301
Platelet-to-lymphocyte ratio	153.54 (103.45, 223.35)	145.79 (94.76, 205.55)	0.349
SII, $\times 10^9/\text{L}$	1113.95 (693.74, 1748.90)	1160.15 (672.17, 1712.48)	0.361
Medication			
Aspirin, <i>n</i> (%)	450 (100)	223 (99.55)	0.156
Clopidogrel/ticagrelor, <i>n</i> (%)	450 (100)	224 (100)	-
Statins, <i>n</i> (%)	445 (98.89)	222 (99.11)	0.792
Beta-blockers, <i>n</i> (%)	382 (84.89)	189 (84.38)	0.861
Nitrates, <i>n</i> (%)	228 (50.67)	103 (45.98)	0.252
Diuretics, <i>n</i> (%)	214 (47.56)	95 (42.41)	0.207
Calcium channel blockers, <i>n</i> (%)	56 (12.44)	20 (8.93)	0.480

ACEI/ARB, <i>n</i> (%)	288 (64.00)	139 (62.05)	0.675
Heparin, <i>n</i> (%)	366 (81.33)	188 (83.93)	0.262

LVEF: left ventricular ejection fraction; LDL-C: low-density lipoprotein cholesterol; Sd-LDL: small and dense low-density lipoprotein; eGFR: estimated glomerular filtration rate; CK-MB: creatine kinase-myocardial band; Hs-cTn: high-sensitive cardiac troponin; Hs-CRP: high-sensitivity C-reactive protein; SII: systemic immune-inflammation index; ACEI: angiotensin converting enzyme inhibitor; ARB: angiotensin receptor inhibitor