

Table S1. Baseline characteristics and standardized mean differences (SMDs) before and after propensity-score matching

	Before matching (n=174)			After matching (n=108)			
Variable	Medical (n=94)	PCI (n=80)	SMD	Medical (n=54)	PCI (n=54)	SMD	In PS model
Demographics							
Age (years)	82.47 ± 6.13	82.20 ± 5.44	-0.046	82.43 ± 5.33	82.19 ± 5.65	-0.044	✓
Female sex	41/94 (43.6%)	38/80 (47.5%)	+0.078	24/54 (44.4%)	27/54 (50.0%)	+0.111	
BMI	27.38 ± 4.61	26.94 ± 4.25	-0.099	27.25 ± 4.63	26.94 ± 4.38	-0.068	
Comorbidities							
Hypertension	87/94 (92.6%)	73/80 (91.2%)	-0.048	51/54 (94.4%)	50/54 (92.6%)	-0.075	
Diabetes mellitus	44/94 (46.8%)	38/80 (47.5%)	+0.014	26/54 (48.1%)	23/54 (42.6%)	-0.112	
Dyslipidemia	67/94 (71.3%)	71/80 (88.8%)	+0.448	38/54 (70.4%)	47/54 (87.0%)	+0.416	
Smoking history	23/94 (24.5%)	12/80 (15.0%)	-0.240	10/54 (18.5%)	6/54 (11.1%)	-0.210	
Peripheral arterial disease	18/94 (19.1%)	16/80 (20.0%)	+0.021	15/54 (27.8%)	9/54 (16.7%)	-0.270	
Prior stroke/TIA	11/94 (11.7%)	11/80 (13.8%)	+0.061	7/54 (13.0%)	5/54 (9.3%)	-0.118	
Pulmonary disease	23/94 (24.5%)	8/80 (10.0%)	-0.390	12/54 (22.2%)	4/54 (7.4%)	-0.426	
CKD (any)	51/94 (54.3%)	46/80 (57.5%)	+0.065	35/54 (64.8%)	30/54 (55.6%)	-0.190	
Dialysis-dependent CKD	1/87 (1.1%)	5/77 (6.5%)	+0.282	1/51 (2.0%)	3/51 (5.9%)	+0.203	
Atrial fibrillation	37/94 (39.4%)	30/80 (37.5%)	-0.038	18/54 (33.3%)	16/54 (29.6%)	-0.080	
Cardiovascular history							
Prior MI	23/94 (24.5%)	16/80 (20.0%)	-0.108	11/54 (20.4%)	8/54 (14.8%)	-0.146	
Prior PCI (>6 months)	24/94 (25.5%)	15/80 (18.8%)	-0.164	14/54 (25.9%)	12/54 (22.2%)	-0.087	
Prior CABG	17/94 (18.1%)	11/80 (13.8%)	-0.119	9/54 (16.7%)	5/54 (9.3%)	-0.222	
CCS angina ≥1	17/59 (28.8%)	31/54 (57.4%)	+0.603	10/34 (29.4%)	20/36 (55.6%)	+0.548	
NYHA class (pre)	2.83 ± 0.58	2.79 ± 0.65	-0.069	2.87 ± 0.55	2.76 ± 0.67	-0.181	

	Before matching (n=174)			After matching (n=108)			
Variable	Medical (n=94)	PCI (n=80)	SMD	Medical (n=54)	PCI (n=54)	SMD	In PS model
Risk scores							
STS score	6.73 ± 5.07	7.23 ± 5.96	+0.091	6.62 ± 5.35	6.51 ± 5.73	-0.020	✓
EuroSCORE II	7.19 ± 6.83	7.93 ± 7.97	+0.099	7.43 ± 5.78	7.08 ± 7.48	-0.052	
Echocardiographic and aortic valve							
LVEF (%)	52.18 ± 11.55	51.49 ± 10.40	-0.063	51.98 ± 11.19	52.19 ± 8.96	+0.020	
Mean gradient (mmHg)	43.02 ± 11.13	44.55 ± 13.58	+0.123	41.60 ± 11.28	47.14 ± 14.22	+0.432	
Aortic valve calcium score	2414.36 ± 1539.98	2116.98 ± 1142.79	-0.219	2382.64 ± 1753.41	2159.26 ± 1222.59	-0.148	
Coronary anatomy							
No. diseased vessels	2.73 ± 0.78	2.76 ± 0.85	+0.035	2.76 ± 0.78	2.72 ± 0.83	-0.046	✓
Left main disease	13/92 (14.1%)	14/80 (17.5%)	+0.092	5/54 (9.3%)	7/54 (13.0%)	+0.118	✓
Proximal lesion (any)	37/94 (39.4%)	51/80 (63.7%)	+0.503	27/54 (50.0%)	28/54 (51.9%)	+0.037	✓
Proximal LAD	8/94 (8.5%)	19/80 (23.8%)	+0.424	6/54 (11.1%)	6/54 (11.1%)	+0.000	✓
Procedural							
Self-expanding valve	23/94 (24.5%)	22/80 (27.5%)	+0.069	15/54 (27.8%)	16/54 (29.6%)	+0.041	

Green cells indicate adequate balance ($|SMD| < 0.10$); yellow cells indicate moderate imbalance ($0.10 \leq |SMD| < 0.20$); grey cells indicate significant imbalance ($|SMD| \geq 0.20$). The propensity score was estimated using a logistic regression model including age, STS score, number of diseased vessels, left main disease, proximal LAD involvement, and proximal lesion. Matching was performed using 1:1 nearest-neighbor matching without replacement, with a caliper of 0.2 standard deviations of the logit of the propensity score. Continuous variables are presented as mean ± SD; binary variables as n/N (%). Residual imbalances in variables not included in the propensity score model were addressed through a multivariable Cox regression sensitivity analysis in the full unmatched cohort. Abbreviations: BMI = body mass index; CABG = coronary artery bypass grafting; CCS = Canadian Cardiovascular Society; CKD = chronic kidney disease; LAD = left anterior descending artery; LVEF = left ventricular ejection fraction; MI = myocardial infarction; NYHA = New York Heart Association; PCI = percutaneous coronary intervention; PS = propensity score; SMD = standardized mean difference; STS = Society of Thoracic Surgeons; TIA = transient ischemic attack.