

Supplemental material

1. **Table S1.** Baseline and procedural characteristics according to the need of repeat revascularizations in the overall population.
2. **Table S2.** Baseline and procedural characteristics according to the need of repeat revascularizations after initial PCI and CABG.

Table S1. Baseline and procedural characteristics according to the need of repeat revascularizations in the overall population.

	Overall population (n=1800)		
	RR (n=330)	No RR (n=1470)	p
Age, yrs	64.3 ± 9.1	65.3 ± 9.8	0.112
Female	22.4 (74)	22.3 (328)	0.965
Hypertension	72.1 (238)	65.2 (958)	0.016
Dyslipidemia	81.0 (265)	77.2 (1126)	0.133
Medically treated DM	31.2 (103)	23.7 (349)	0.005
Current smoker	17.6 (58)	20.8 (305)	0.182
Previous MI	30.0 (99)	33.1 (486)	0.283
Peripheral vascular disease	10.6 (35)	9.7 (142)	0.602
Previous stroke	3.3 (11)	4.6 (67)	0.312
COPD	8.8 (29)	8.5 (125)	0.867
Chronic Kidney Disease	14.5 (48)	18.2 (268)	0.011
Congestive heart failure	5.5 (18)	4.5 (65)	0.444
BMI, kg/m2	28.2 ± 4.8	28.0 ± 4.7	0.441
Logistic EuroSCORE	3.6 ± 2.4	3.8 ± 2.7	0.128
3VD	57.9 (191)	61.5 (904)	0.224
Left main	42.1 (139)	38.5 (566)	0.224
SYNTAX Score	28.9 ± 11.7	28.7 ± 11.4	0.826
Incomplete revascularization	49.7 (164)	39.3 (578)	0.001

BMI: body mass index; CABG: coronary artery bypass graft; COPD: chronic obstructive pulmonary disease; DM: diabetes mellitus; MI: myocardial infarction; PCI: percutaneous coronary intervention; RR: repeat revascularization; 3VD: 3-vessel disease.

Table S2. Baseline and procedural characteristics according to the need of repeat revascularizations after initial PCI and CABG.

	PCI (n=903)			CABG (n=897)		
	RR (n=220)	No RR (n=683)	p	RR (n=110)	No RR (n=787)	p
Age, yrs	64.8 ± 9.2	65.4±9.8	0.452	63.4 ± 9.0	65.2 ± 9.9	0.069
Female	24.5 (54)	23.3 (159)	0.701	18.2 (20)	21.5 (169)	0.428
Hypertension	73.6 (162)	67.3 (460)	0.080	69.1 (76)	63.3 (498)	0.234
Dyslipidemia	81.6 (177)	77.8 (528)	0.233	80.0 (88)	76.8 (598)	0.449
Medically treated DM	34.1 (75)	22.8 (156)	0.001	25.5 (28)	24.5 (193)	0.832
Current smoker	15.9 (35)	19.3 (132)	0.256	20.9 (23)	22.2 (173)	0.763
Previous MI	32.7 (72)	31.2 (213)	0.669	24.5 (27)	34.7 (273)	0.035
Peripheral vascular disease	9.5 (21)	8.9 (61)	0.783	12.7 (14)	10.3 (81)	0.437
Previous stroke	3.6 (8)	4.0 (27)	0.821	2.7 (3)	5.1 (40)	0.272
COPD	9.1 (20)	7.5 (51)	0.436	8.2 (9)	9.4 (74)	0.679
Chronic Kidney Disease	15.5 (34)	19.5 (133)	0.105	12.7 (14)	17.2 (135)	0.301
Congestive heart failure	4.6 (10)	3.8 (26)	0.629	7.3 (8)	5.1 (39)	0.335
BMI, kg/m2	28.4 ± 4.8	28.0 ± 4.8	0.393	27.9 ±4.8	27.9 ± 4.5	0.921
Logistic EuroSCORE	3.7 ± 2.4	3.8 ± 2.7	0.815	3.3 ± 2.3	3.9 ± 2.7	0.032
3VD	59.1 (130)	60.9 (416)	0.632	55.5 (61)	62.0 (488)	0.186
Left main	40.9 (90)	39.1 (267)	0.632	44.5 (49)	38.0 (299)	0.186
SYNTAX Score	29.6 ± 11.4	28.0 ± 11.5	0.081	27.5 ± 12.1	29.3 ± 11.3	0.108
Incomplete revascularization	53.6 (118)	40.6 (277)	0.001	41.8 (46)	38.2 (301)	0.471

BMI: body mass index; CABG: coronary artery bypass graft; COPD: chronic obstructive pulmonary disease; DM: diabetes mellitus; MI: myocardial infarction; PCI: percutaneous coronary intervention;
RR: repeat revascularization; 3VD: 3-vessel disease