

## Supplementary material

*Sabatowski K, Malinowski KP, Siudak Z, et al. Sex-related differences and rotational atherectomy — analysis of 5 177 percutaneous coronary interventions based on a large national registry from between 2014 and 2020. Kardiol Pol. 2021.*

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**Table S1.** Patient characteristics

Clinical variables	Overall n = 5177 (100%)	Men n = 3552 (68.6%)	Women n = 1625 (31.4%)	P-value
Age, years	72 (66–79)	70 (64–77)	76 (69–81)	<0.001
Weight, kg	80 (70–89)	80 (74–90)	70 (63–90)	<0.001
Hypertension	3868 (74.7%)	2606 (73.4%)	1262 (77.7%)	0.001
Diabetes	1681 (32.5%)	1068 (30.1%)	613 (37.7%)	<0.001
Prior cerebral stroke	211 (4.1%)	129 (3.6%)	82 (5.1%)	0.02
Prior MI	2471 (47.7%)	1719 (48.4%)	752 (46.3%)	0.16
Prior PCI	2857 (55.2%)	2857 (55.2%)	841 (51.8%)	<0.001
Prior CABG	681 (13.2%)	537 (15.1%)	144 (8.9%)	<0.001
Smoking	808 (15.6%)	635 (17.9%)	173 (10.7%)	<0.001
Psoriasis	13 (0.3%)	10 (0.3%)	3 (0.2%)	0.77
Kidney disease	630 (12.2%)	418 (11.8%)	212 (13.1%)	0.20
COPD	189 (3.7%)	137 (3.9%)	52 (3.2%)	0.26
Clinical presentation				
— stable angina	2873 (55.5%)	2055 (57.9%)	818 (50.3%)	<0.001
— unstable angina	1033 (20%)	658 (18.5%)	375 (23.1%)	
— NSTEMI	654 (12.6%)	395 (11.1%)	259 (15.9%)	
— STEMI	494 (9.5%)	348 (9.8%)	146 (9%)	
— others	11 (0.2%)	11 (0.3%)	0 (0%)	
ACS	2181 (43.1%)	1401 (40.5%)	780 (48.8%)	<0.001

Killip class grade				
— I	1339 (93.3%)	902 (92.9%)	437 (94.2%)	0.68
— II	68 (4.7%)	49 (5.1%)	19 (4.1%)	
— III	14 (1%)	9 (0.9%)	5 (1.1%)	
— IV	14 (1%)	11 (1.1%)	3 (0.7%)	

Data are expressed as median (interquartile range) and numbers (percentages).

Abbreviations: ACS, acute coronary syndrome; CABG, coronary artery bypass grafting; COPD, chronic obstructive pulmonary disease; MI, myocardial infarction; NSTEMI, non-ST segment elevation myocardial infarction; PCI, percutaneous coronary intervention; STEMI, ST-segment elevation myocardial infarction

**Table S2.** Procedural indices

Variable	Overall n = 5177 (100%)	Men n = 3552 (68.6%)	Women n = 1625 (31.4%)	<i>P</i> - value
Vascular access				
Femoral	1797 (34.8%)	1215 (34.3%)	582 (35.9%)	0.15
Radial left	585 (11.3%)	394 (11.1%)	191 (11.8%)	
Radial right	2711 (52.5%)	1890 (53.3%)	821 (50.6%)	
Other	73 (1.4%)	44 (1.2%)	29 (1.8%)	
Location of culprit lesion				
RCA	1629 (31.5%)	1069 (30.1%)	560 (34.5%)	0.002
LMCA	647 (12.5%)	450 (12.7%)	197 (12.1%)	0.62
LAD	2348 (45.4%)	1596 (44.9%)	752 (46.3%)	0.37
Cx	906 (17.5%)	651 (18.3%)	255 (15.7%)	0.02
IM	67 (1.3%)	57 (1.6%)	10 (0.6%)	0.002
SvG	3 (0.1%)	3 (0.1%)	0 (0%)	0.56
Coronary angiography				

— SVD	659 (34.2%)	446 (33.9%)	213 (34.9%)	0.05
— MVD – LMCA	954 (49.6%)	642 (48.8%)	312 (51.2%)	
— MVD + LMCA	303 (15.7%)	218 (16.6%)	85 (13.9%)	
— Separate LMCA	8 (0.4%)	8 (0.6%)	0 (0%)	
— Others	1 (0.1%)	1 (0.1%)	0 (0%)	
TIMI grade before PCI				
— 0	315 (6.3%)	232 (6.7%)	83 (5.3%)	<0.001
— I	680 (13.5%)	468 (13.6%)	212 (13.4%)	
— II	1033 (20.5%)	655 (19%)	378 (24%)	
— III	3002 (59.7%)	2098 (60.8%)	904 (57.3%)	
TIMI grade after PCI				
— 0	30 (0.6%)	24 (0.7%)	6 (0.4%)	0.33
— I	30 (0.6%)	18 (0.5%)	12 (0.8%)	
— II	110 (2.2%)	72 (2.1%)	38 (2.4%)	
— III	4887 (96.7%)	3354 (96.7%)	1533 (96.5%)	
Thrombectomy	27 (0.5%)	19 (0.5%)	8 (0.5%)	1
CTO	268 (5.2%)	200 (5.6%)	68 (4.2%)	0.03
Bifurcation	732 (14.1%)	522 (14.7%)	210 (12.9%)	0.09
FFR	45 (0.9%)	30 (0.8%)	15 (0.9%)	0.75
IVUS	457 (8.8%)	324 (9.1%)	133 (8.2%)	0.29
OCT	52 (1%)	36 (1%)	16 (1%)	1
Type of PCI				
Drug-eluting stent	4702 (90.8%)	3209 (90.3%)	1493 (91.9%)	0.08
Bare- metal stent	22 (0.4%)	14 (0.4%)	8 (0.5%)	0.65
BRS	14 (0.3%)	11 (0.3%)	3 (0.2%)	0.57
Radiation dose, Gy	1200 (706–1999)	1311 (783–2132)	976 (577.5–1633.5)	<0.001
Contrast dose, ml	200 (150–250)	200 (150–250)	180 (140–230)	<0.001

Data are expressed as median (interquartile range) and numbers (percentages).

Abbreviations: BRS, bioresorbable scaffold; CTO, chronic total occlusion; Cx, circumflex artery; FFR, fractional flow-reserve; IM, intermediate artery; IVUS, intravascular ultrasound; LAD, left anterior descending artery; LMCA, left main coronary artery; MVD, multi-vessel

disease; OCT, optical coherence tomography; PCI, percutaneous coronary intervention; RCA, right coronary artery; SVD, single-vessel disease; SvG, saphenous vein graft; TIMI, thrombolysis in myocardial infarction

**Table S3.** Procedure-related complications

Type of complication	Overall n = 5177 (100%)	Men n = 3552 (68.6%)	Women n = 1625 (31.4%)	P-value
All complications	138 (2.67%)	82 (2.31%)	56 (3.45%)	0.02
Death	17 (0.3%)	6 (0.2%)	11 (0.7%)	0.006
MI	22 (0.4%)	13 (0.4%)	9 (0.6%)	0.36
No-reflow	36 (0.7%)	25 (0.7%)	11 (0.7%)	1.00
Puncture-site bleeding	11 (0.2%)	5 (0.1%)	6 (0.3%)	0.11
Cardiac arrest	27 (0.5%)	13 (0.4%)	14 (0.9%)	0.04
Allergic reaction	3 (0.1%)	1 (0%)	2 (0.1%)	0.23
CAP	45 (0.9%)	28 (0.8%)	17 (1.1%)	0.34
Stroke	0 (0%)	0 (0%)	0 (0%)	—
CAD	3 (0.2%)	3 (0.2%)	0 (0%)	0.56

Data are expressed as numbers (percentages). The  $\chi^2$  test was used for categorical variables.

Abbreviations: CAD, coronary artery dissection; CAP, coronary artery perforation; MI, myocardial infarction