

## Supplementary material

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**Supplementary Table S1.** Diagnostic coronary angiography data based on the ORPKI registry between January 2014 and December 2017

Parameters	All operators (n = 867)	Female operators (n = 46)	Male operators (n = 821)	P
Intracoronary imaging and physiology (all angiography)				
FFR during angiogram (%)	18015 (2.21%)	401 (1.35%)	17 614 (2.24%)	< 0.001
IVUS during angiogram (%)	4069 (0.50%)	116 (0.39%)	3 953 (0.50%)	< 0.001
OCT during angiogram (%)	784 (0.10%)	126 (0.42%)	658 (0.08%)	< 0.001
Access site during (all angiography)				0.21
Femoral (%)	181 138 (22.22%)	6 594 (22.20%)	174 544 (22.22%)	

Radial (%)	628 416 (77.08%)	22 926 (77.19%)	605 490 (77.07%)	
Other (%)	5742 (0.70%)	179 (0.70%)	5 563 (0.71%)	
Angiography (not followed by PCI) (%)	447390 (100%)	18170 (4.06%)	429220 (95.94%)	< 0.001
Total amount of contrast used during angiography not followed by PCI, ccm Mean(SD)	80.80 (44.58)	79.47 (47.63)	80.86 (44.44)	< 0.001
Total radiation dose during angiography not followed by PCI, mGy Median(Q1; Q3)	300 (173; 500)	294 (173; 478)	300 (173; 501)	< 0.001
Periprocedural complication during angiography not followed by PCI				
Coronary artery perforation (%)	50 (0.01%)	3 (0.02%)	50 (0.01%)	0.48
Bleeding at the puncture site (%)	160 (0.04%)	8 (0.04%)	152 (0.04%)	0.55
Death during angiography (%)	364 (0.08%)	16 (0.09%)	348 (0.08%)	0.75

Abbreviations: FFR, fractional flow reserve; IVUS, intravascular ultrasound; LMCA, left main coronary artery; NSTEMI, non ST elevation myocardial infarction; OCT, optical coherence tomography; PCI, percutaneous coronary intervention; SA, stable angina; STEMI, – ST elevation myocardial infarction; UA, unstable angina.

**Supplementary Table S2.** Percutaneous coronary interventions data based on the ORPKI registry between January 2014 and December 2017

<b>Parameters</b>	<b>All operators (n = 757; 100%)</b>	<b>Female operators (n = 31; 4.1%)</b>	<b>Male operators (n = 726; 95.9%)</b>	<b>P</b>
Demographics & clinical data:				
Age (years) (Mean, SD)	67.08 (10.79)	66.27 (10.66)	67.11 (10.79)	< 0.001
Male (%)	308425 (67.88%)	8778 (67.87%)	299647 (67.88%)	0.99
Previous MI (%)	141437 (30.97%)	3821 (29.54%)	137616 (31.0%) <sup>1</sup>	< 0.001
Previous PCI (%)	170440 (37.32%)	4563 (35.28%)	165877 (37.38%)	< 0.001
Previous CABG (%)	28572 (6.26%)	614 (4.75%)	27958 (6.3%)	< 0.001
Diabetes mellitus (%)	110010	3006	107004	0.02

	(24.09%)	(23.24%)	(24.11%)	
Hypertension (%)	325031 (71.16%)	9084 (70.23%)	315947 (71.1%) <sup>9</sup>	0.02
Kidney disease (%)	24822 (5.43%)	565 (4.37%)	24257 (5.47%)	< 0.001
Killip class IV (%)	5337 (1.78%)	102 (1.22%)	5235 (1.79%)	< 0.001
Access site during PCI	455798	12899	442899	0.54
Radial (%)	328 741 (72.12%)	9 275 (71.90%)	319 466 (72.13%)	
Femoral (%)	123 524 (27.10%)	3 514 (27.24%)	120 010 (27.10%)	
Other (%)	3 533 (0.78%)	110 (0.78%)	3 423 (0.77%)	
Lesion localisation:				
RCA (%)	139 600 (30.56%)	4043 (31.26%)	135 557 (30.54%)	0.08
LMCA (%)	14 558 (3.19%)	292 (2.26%)	1 4266 (3.21%)	< 0.001
LAD (%)	162 444 (35.57%)	4 540 (35.10%)	157 904 (35.58%)	0.26
LCX (%)	91 071 (19.94%)	2 564 (19.82%)	88 507 (19.94%)	0.73
SvG (%)	5 791 (1.27%)	121 (0.94%)	5 670 (1.28%)	< 0.001
LIMA/RIMA (%)	1 055 (0.23%)	18 (0.14%)	1 037 (0.23%)	0.02
Intracoronary imaging and physiology during PCI				
FFR (%)	3 997 (0.88%)	97 (0.75%)	3 900 (0.88%)	0.12

IVUS (%)	3 688 (0.81%)	42 (0.32%)	3 646 (0.82%)	< 0.001
OCT (%)	834 (0.23%)	41 (0.39%)	793 (0.22%)	0.73
Total amount of contrast used during PCI, ccm Mean(SD)	173.39 (77.54)	170.36 (77.64)	173.48 (77.54)	< 0.001
Total radiation dose during PCI, mGy Median(Q1; Q3)	816 (459-1391)	843 (472-1409)	815(458-1390)	0.01

Abbreviations: ACS, acute coronary syndrome,; BMS, bare metal stent; BVS, bioresorbable scaffold; CABG, coronary artery bypass graft; CTO, chronic total occlusion; DEB, drug eluting balloon; DES, drug eluting stent; FFR, fractional flow reserve; IVUS, intravascular ultrasound; LAD, left anterior descending coronary artery; LCX, left circumflex coronary artery; LIMA, left internal mammary artery; LMCA, left main coronary artery; MI, myocardial infarction; NSTEMI, non ST elevation myocardial infarction; OCT, optical coherence tomography; PCI, percutaneous coronary intervention; RIMA, right internal mammary artery,; RCA, right coronary artery; SA, stable angina; STEMI, ST elevation myocardial infarction; UA, unstable angina; SvG, saphenous vein graft