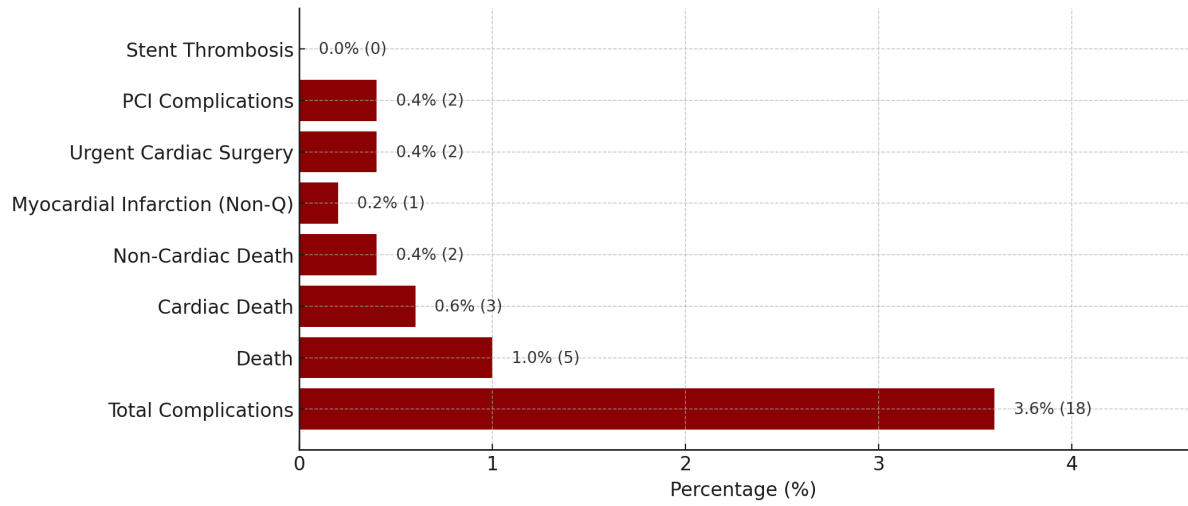


## Supplementary material

**Supplementary Figure 1.** Bar chart of early complications (before discharge).



**Supplementary Table 1.** Angiographic Characteristics

<b>Inclusion Criteria</b>		
Left main lesion	55	11%
Lesion at bifurcation	220	43,9%
Small vessel	204	40.7%
Length >35 mm	172	34,3%
<b>Number of diseased vessels</b>		
1	253	50.5%
2	168	33.5%
3	80	16%
<b>Lesion localization</b>		
LAD	308	52.2%
LCX	145	24.6%
RCA	90	15.3%
Other	47	8%
<b>AHA/ACC lesión classification</b>		
A	64	11%
B1	160	27.4%
B2	175	30%
C	184	31.6%
<b>Lesion characteristics</b>		
Severe tortuosity	12	2%
Severe calcification	64	11%
Chronic total occlusion	97	16.5%
Ostial lesion	53	9.1%
Mean vessel diameter	2.78	± 0.55
Mean lesion length	25,55	± 14,03

Values are presented as n (%) or mean ± SD. LAD: Left Anterior Descending, LCX: Left Circumflex, RCA: Right Coronary Artery

**Supplementary Table 2:** Distribution of overlapping complexity categories in the overall cohort.

<b>Overlap combination</b>	<b>Frequency (n)</b>	<b>%</b>
LM + B	19	3,21
LM + LL	8	1,35
B + SV	33	5,58
B + LL	39	6,6
SV + LL	30	5,08
LM + B + SV	1	0,17
LM + B + LL	12	2,03
B + SV + LL	17	2,88
LM + B + SV + LL	15	2,54
Any overlap ( $\geq 2$ categories)	174	29,44
No combinations (pure lesion)	417	70,56
<b>Total Lesions</b>	<b>591</b>	<b>100</b>

LM: left main B: bifurcations SV: Small vessel LL: long lesion

**Supplementary Table 3.** Angiographic and procedural characteristics of bifurcation lesions

<b>Bifurcation lesions N=275</b>	<b>Level</b>	<b>n</b>	<b>%</b>	<b>Valid N</b>	<b>Missing N</b>
Target vessel	LAD	170	62	274	1
	LCx	53	19.3	274	1
	RCA	29	10.6	274	1
	Others	22	8	274	1
Medina classification	0-0-1	7	6.5	108	112
	0-1-0	10	9.3	108	112
	0-1-1	3	2.8	108	112
	1-0-0	11	10.2	108	112
	1-0-1	4	3,7	108	112
	1-1-0	26	24.1	108	112
	1-1-1	47	43.5	108	112
Main–side branch angle	70–90°	38	40.4	94	126
	<70°	49	52.1	94	126
	>90°	7	7.4	94	126
Pre-dilation / preparation	No	67	24.4	275	0
	Non-compliant balloon	18	6.5	275	0
	Semi-compliant balloon	169	61.5	275	0
	Cutting/scoring balloon	10	3,6	275	0
	Atherectomy / laser	8	2.9	275	0
	Intravascular lithotripsy	3	1.1	275	0
Technique	Provisional	222	81.3	273	2
	Double stent	51	18.6	273	2
Number of stents	1	212	77.1	275	0
	2	52	18.9	275	0
	>3	11	4,0	275	0
Post-dilation (any)	Yes	149	54.6	273	2

DKS: *Double Kissing* Crush, LAD: Left Anterior Descending, LCx: Left Circumflex  
RCA: Right Coronary Artery

**Supplementary Table 4.** Dual antiplatelet therapy (DAPT) use by subgroup at discharge, 6 months, and 12 months.

<b>Subgroup</b>	<b>Row</b>	<b>Discharge</b>	<b>6 months</b>	<b>12 months</b>
Total cohort N= 501	DAPT use, n (%)	473 (95.6)	423 (84.4)	293 (61.3)
	Missing, n	6	19	23
Left main (LM) N=55	DAPT use, n (%)	52 (94.5)	48 (94.1)	40 (80.0)
	Missing, n	0	4	5
	P vs rest ( $\chi^2$ )	0.700	0.143	<b>0.004</b>
Lesion at bifurcation N= 220	DAPT use, n (%)	212 (96.4)	192 (90.1%)	132 (63.2)
	Missing, n	0	7	11
	P vs rest ( $\chi^2$ )	0.435	0.156	0.462
Lesion $\geq$ 35 mm N= 209	DAPT use, n (%)	157 (92.9)	141 (86.0)	97 (60.2)
	Missing, n	3	8	11
	P vs rest ( $\chi^2$ )	<b>0.039</b>	0.391	0.737
Small Vessel N=204	DAPT use, n (%)	194 (97.0)	172 (87,3%)	119 (60,4)
	Missing, n	4	7	7
	P vs rest ( $\chi^2$ )	0.199	0.802	0.738

**Supplementary Table 5.** Dual antiplatelet therapy (DAPT) use by PRECISE-DAPT risk group at discharge, 6 months, and 12 months.

DAPT		PRECISED DAPT SCORE N= 464		p-value
		Low risk ( $<25$ ) N=193	High risk ( $\geq 25$ ) N=193	
<b>Discharge</b>	DAPT use, n (%)	181 (95.8)	256 (95.2)	0.763
	No DAPT use, n (%)	8 (4.2)	13 (4.8)	
	Missing, n	4	2	
<b>6 months</b>	DAPT use, n (%)	168 (90.3)	225 (86.5)	0.223
	No DAPT use, n (%)	18 (9.7)	35 (13.5)	
	Missing, n	7	11	
<b>12 months</b>	DAPT use, n (%)	120 (64.9)	151 (58.3)	0.162
	No DAPT use, n (%)	65 (35.1)	108 (41.7)	
	Missing, n	8	12	

DAPT: dual antiplatelet therapy.

**Supplementary Table 6.** Bleeding events by PRECISE-DAPT risk group.

<b>BARC</b>	<b>PRECISED DAPT SCORE</b>		<b>p-value</b>
	<b>Low risk (&lt;25)</b>	<b>High risk (≥25)</b>	
	<b>N=193</b>	<b>N=271</b>	
<b>BARC 0–1</b>	0 (0%)	4 (1.4%)	0.145
<b>BARC ≥2</b>	3 (1.6%)	2 (0.7)	0.653
<b>Total bleedings</b>	3 (1.6%)	6 (2.2%)	0.741

BARC: Bleeding Academic Research Consortium