
Table S1. Clinical characteristics.

| Characteristic | STEMI (n=31) | NonSTEMI (n=82) | P value |
|------------------------------------|---------------------|------------------------|----------------|
| Male sex | 19 (61) | 58 (71) | 0.34 |
| Age (years) | 63 (58-74) | 64 (59-74) | 0.63 |
| BMI (kg/m²) | 27 (25-30) | 28 (26-30) | 0.60 |
| Obesity | 4 (13) | 29 (23) | 0.23 |
| Renal insufficiency | 3 (9.7) | 9 (11) | 0.84 |
| Ejection fraction (%) | 44 (35-50) | 49 (40-60) | 0.08 |
| Diabetes mellitus | 10 (32) | 25 (31) | 0.86 |
| Hypertension | 24 (77) | 68 (83) | 0.50 |
| Dyslipidemia | 26 (84) | 62 (76) | 0.35 |
| Smoker | 11 (36) | 34 (42) | 0.56 |
| Familial history of CAD | 5 (16) | 26 (32) | 0.10 |
| Prior AMI | 4 (13) | 17 (21) | 0.34 |
| Prior PCI | 4 (13) | 14 (17) | 0.59 |
| Prior CABG | 0 (0) | 8 (9.8) | 0.07 |
| Carotid atherosclerosis | 0 (0) | 5 (6.1) | 0.32 |
| PAD | 2 (6.5) | 9 (11) | 0.72 |

Data are presented as n (%) or median (25th-75th percentile).

AMI – acute myocardial infarction; BMI – body mass index; CAD – coronary artery disease; PCI – percutaneous coronary intervention; CABG – coronary artery bypass grafting; PAD – peripheral artery disease

Outcomes should be interpreted with caution to small group sizes.

Table S2. Angiographic and procedural characteristics

| Characteristic | STEMI (n=31) | NonSTEMI (n=82) | P value |
|--------------------------------------|--------------|-----------------|-----------------|
| Femoral approach | 30 (97) | 72 (88) | 0.28 |
| Culprit vessel | | | |
| LM | 4 (13) | 13 (16) | 0.77 |
| LAD | 29 (94) | 57 (70) | 0.007 |
| Cx | 2 (6.5) | 16 (20) | 0.15 |
| RCA | 1 (3.2) | 5 (6.1) | 1.0 |
| Thrombus | 11 (36) | 8 (9.8) | <0.01 |
| Ostial lesion | 14 (45) | 25 (31) | 0.14 |
| Restenosis | 0 (0) | 3 (3.7) | 0.56 |
| Calcifications | 3 (9.7) | 17 (21) | 0.27 |
| DES 2nd generation | 22 (71) | 46 (56) | 0.17 |
| No of DES/lesion | 1 (1;1) | 1 (1;2) | 0.04 |
| Length of DES/lesion (mm) | 23 (18-28) | 25 (18-33) | 0.22 |

| | | | |
|-----------------------------------------|----------------|-----------------|------------------|
| Direct stenting | 29 (26) | 90 (47) | 0.65 |
| Maximal inflation pressure (atm) | 16 (12-18) | 14 (12-16) | 0.26 |
| GP IIbIIIa | 7 (23) | 12 (15) | 0.31 |
| Dedicated stent | 4 (13) | 9 (11) | 0.75 |
| True bifurcation | 14 (45) | 48 (59) | 0.20 |
| Main branch | | | |
| Stenosis severity | 99 (90-99) | 90 (80-99) | 0.001 |
| Diameter | 3.0 (2.5-3.25) | 3.0 (2.75-3.25) | 0.77 |
| Initial TIMI flow | 2 (1-3) | 3 (2-3) | <0.001 |
| Final TIMI flow | 3 (3-3) | 3 (3-3) | 0.22 |
| MB residual stenosis >10% | 1 (3.2) | 1 (1.2) | 0.48 |
| Stent length (mm) | 23 (18-28) | 23 (18-28) | 0.59 |
| Max inflation pressure (atm) | 16 (12-18) | 14 (12-16) | 0.28 |
| Side branch | | | |
| Stenosis severity | 40 (0-80) | 57.5 (0-90) | 0.64 |
| Diameter | 2.0 (2.0-2.5) | 2.25 (2.0-2.5) | 0.07 |
| Diameter >2.5mm | 12 (39) | 51 (62) | 0.025 |

| | | | |
|----------------------------------|------------|--------------|------------------|
| Initial TIMI flow | 2 (1-3) | 3 (2-3) | <0.001 |
| Final TIMI flow | 3 (3-3) | 3 (3-3) | 0.49 |
| SB residual stenosis >10% | 2 (6.5) | 19 (23) | 0.06 |
| Stent length | 15 (8-15) | 18 (12-22.5) | 0.16 |
| Max inflation pressure | 12 (10-14) | 13 (12-15) | 0.14 |
| SB occlusion | 1 (0.9) | 1 (0.5) | 1.0 |
| Bifurcation angle <90° | 21 (68) | 60 (73) | 0.57 |
| Stenting technique | | | |
| Provisional T-stenting | 25 (81) | 62 (76) | 0.63 |
| Crush | 1 (3.2) | 5 (6.1) | 1.0 |
| V-stenting | 0 (0) | 0 (0) | - |
| T-stenting | 4 (13) | 14 (17) | 0.78 |
| Crossover | 1 (3.2) | 14 (17) | 0.06 |
| GW - SB | 17 (55) | 60 (73) | 0.06 |
| POT | 9 (29) | 18 (22) | 0.45 |
| Predilatation pressure | 12 (10-14) | 12 (10-14) | 0.86 |
| Initial Kissing Balloons | 0 (0) | 5 (6.1) | 0.32 |
| Final Kissing Balloons | 3 (9.7) | 21 (26) | 0.08 |

| | | | |
|-----------------------------|-----------------|-----------------|--------------|
| SB stenting | 7 (23) | 24 (29) | 0.48 |
| Procedure time (min) | 60 (50-70) | 60 (50-80) | 0.14 |
| Contrast volume (ml) | 150 (100-150) | 150 (125-190) | 0.001 |
| Radiation time (min) | 13 (8-21) | 15.5 (10.5-20) | 0.79 |
| Radiation dose (mGy) | 1343 (791-1575) | 1355 (910-2019) | 0.24 |

Data are presented as n (%) or median (25th-75th percentile)

AMI – acute myocardial infarction; LM – left main; LAD – left anterior descending artery; Cx- circumflex artery; RCA – right coronary artery; DES – drug eluting stent.

Outcomes should be interpreted with caution to small group sizes.

Table S3. Clinical outcomes.

| Characteristic | STEMI (n=31) | NonSTEMI (n=82) | P value |
|-------------------------|---------------------|------------------------|----------------|
| Stent thrombosis | | | |
| Acute | 0 (0) | 0 (0) | - |
| Subacute | 0 (0) | 0 (0) | - |
| Late | 1 (3.2) | 2 (2.4) | 1.0 |
| Cumulative | 1 (3.2) | 2 (2.4) | 1.0 |
| MACE-TLF | 1 (3.2) | 12 (15) | 0.11 |
| Death-TLF | 0 (0) | 2 (2.4) | 1.0 |
| AMI-TLF | 1 (3.2) | 6 (7.3) | 0.67 |
| TLR | 1 (3.2) | 8 (9.8) | 0.44 |

Data are presented as n (%).

AMI – acute myocardial infarction; MACE – major adverse cardiac events; TLF – target lesion failure; TLR – target lesion revascularization.

Outcomes should be interpreted with caution to small group sizes.
