**Supplement Table 1:** Baseline characteristics according to the TIMI flow.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Pre TIMI 0-1****(n = 6235)** | **Pre TIMI 2****(n = 1074)** | **Pre TIMI 3****(n = 1119)** | **p-value** |
|  |
| **Clinical characteristics** |
| Age (year) | 62.7 ± 13.6 | 63.8 ± 13.9 | 62.5 ± 13.1 | 0.224 |
| Female gender (%) | 1585 (25.5) | 272 (25.3) | 272 (24.3) | 0.755 |
| Diabetes (%) | 1130 (18.1) | 216 (20.1) | 227 (20.3) | 0.138 |
| Hypertension (%) | 2801 (44.9) | 486 (45.3) | 504 (45.0) | 0.979 |
| Dyslipidemia (%) | 636 (10.2) | 90 (8.3) | 120 (10.7) | 0.133 |
| Current Smoking (%) | 2933 (47.0) | 493 (45.9) | 567 (50.6) | 0.048 |
| Family History of IHD (%) | 469 (7.5) | 71 (6.6) | 67 (6.0) | 0.136 |
| Previous IHD |  |  |  | 0.695 |
| Previous MI (%) | 159 (2.5) | 25 (2.3) | 29 (2.6) |  |
| Previous PCI (%) | 294 (4.7) | 48 (4.5) | 40 (3.6) |  |
| Previous CABG (%) | 14 (0.2) | 4 (0.4) | 3 (2.7) |  |
| Previous Angina (%) | 200 (3.2) | 33 (3.1) | 40 (3.6) |  |
| **Laboratory and hemodynamic data at admission** |
| Creatinine (mg/dL) | 1.09 ± 1.09 | 1.18 ± 2.04 | 1.11 ± 0.97 | 0.009 |
| Troponin I (ng/mL) | 42.9 [9.5-86.9] | 25.5 [6.2-60.6] | 16.6 [3.3-50.0] | < 0.001 |
| CK-MB (ng/mL) | 153 [47-300] | 94 [25-213] | 66 [17-173] | < 0.001 |
| LDL-C | 117.3 ± 39.1 | 119.5 ± 48.2 | 114.5 ± 37.1 | 0.513 |
| NT-proBNP (pg/mL) | 261 [62-1308] | 324 [71-1649] | 228 [59-1122] | 0.073 |
| Killip class III-IV (%) | 760 (12.2) | 133 (12.4) | 108 (9.6) | 0.05 |
| LVEF (%) | 50.9 ± 20.4 | 53.1 ± 24.6 | 54.5 ± 21.5 | 0.12 |
| Door to balloon time (min) | 75 [56-108] | 79.5 [59-116] | 81 [60-125] | < 0.001 |
| **Medical characteristics at admission** |
| Antiplatelet agents (%) | 6209 (99.6) | 1069 (99.5) | 1119 (100) | 0.09 |
| Aspirin (%) | 6206 (99.5) | 1067 (99.3) | 1119 (100) | 0.043 |
| Clopidogrel (%) | 6117 (98.1) | 1055 (98.2) | 1101 (98.4) | 0.796 |
| Glycoprotein IIb/IIIa inhibitor (%) | 1306 (20.9) | 161 (15.0) | 157 (14.0) | < 0.001 |
| Beta-blocker (%) | 4785 (76.7) | 851 (79.2) | 901 (80.5) | 0.008 |
| ARB/ACEi (%) | 5031 (80.6) | 866 (80.6) | 952 (85.1) | 0.002 |
| Statin (%) | 4961 (79.6) | 844 (78.6) | 908 (81.1) | 0.09 |

TIMI: Thrombolysis in Myocardial Infarction; IHD: Ischemic Heart Disease; MI: Myocardial Infarction; PCI: Percutaneous Coronary Intervention; SBP: Systolic Blood Pressure; HR: Heart Rate; LVEF: Left Ventricular Ejection Fraction; ARB: Angiotensin Receptor Blocker; ACEi: Angiotensin Converting Enzyme Inhibitor.