Supplemental table 2. Comparison of clinical characteristics between patients who had ACE inhibitors/ARBs and patients who did not have ACE inhibitors/ARBs

|                                | ACE inhibitors/ARBs (+) (n=400) | ACE inhibitors/ARBs (-) (n=57) | P value |
|--------------------------------|---------------------------------|--------------------------------|---------|
| **Patient characteristics**    |                                 |                                |         |
| Age, years                     | 69±12                           | 73±13                          | 0.044   |
| Male sex, n (%)                | 300 (75.0)                      | 43 (75.4)                      | 0.943   |
| Hypertension, n (%)            | 340 (85.0)                      | 45 (78.9)                      | 0.241   |
| Hyperlipidemia, n (%)          | 279 (69.8)                      | 39 (68.4)                      | 0.838   |
| Diabetes mellitus, n (%)       | 173 (43.3)                      | 30 (52.6)                      | 0.182   |
| Chronic Obstructive Pulmonary Disease, n (%) | 13 (3.3)                      | 1 (1.8)                      | 1.000   |
| Asthma, n (%)                  | 9 (2.3)                         | 3 (5.3)                        | 0.179   |
| Chronic kidney disease, n (%)  | 164 (41.0)                      | 33 (57.9)                      | 0.016   |
| Serum creatinine, mg/dl        | 1.5±4.6                         | 2.6±3.0                        | <0.001  |
| eGFR, ml/min/1.73m²            | 64.9±26.7                       | 49.2±34.7                      | 0.001   |
| Hemodialysis, n (%)            | 19 (4.8)                        | 11 (19.3)                      | <0.001  |
| Hemoglobin levels on admission, g/dl | 13.4±2.0                      | 12.3±2.2                      | <0.001  |
| Potassium levels (mEq/l)       | 4.2±0.5                         | 4.4±0.6                        | 0.001   |
| Atrial fibrillation, n (%)     | 57 (14.3)                       | 10 (17.5)                      | 0.511   |
| Anticoagulant, n (%)           | 53 (13.2)                       | 4 (7.0)                        | 0.519   |
| Warfarin                       | 28 (7.0)                        | 2 (3.5)                        |         |
| Direct Oral Anti Coagulants    | 25 (6.3)                        | 2 (3.5)                        |         |
| Current smoking, n (%)         | 131 (32.8)                      | 13 (22.8)                      | 0.131   |
| History of malignancy, n (%)   | 58 (14.5)                       | 11 (19.3)                      | 0.344   |
| Previous PCI, n (%)            | 73 (18.3)                       | 17 (29.8)                      | 0.040   |
| Previous CABG, n (%)           | 12 (3.0)                        | 5 (8.8)                        | 0.048   |
| Previous myocardial infarction, n (%) | 62 (15.5)                      | 13 (22.8)                      | 0.163   |
| STEMI, n (%)                   | 256 (64.0)                      | 19 (33.3)                      | <0.001  |
| NSTEMI, n (%)                  | 144 (36.0)                      | 38 (66.7)                      | <0.001  |
| AMI caused by vasospastic angina, n (%) | 8 (2.0)                      | 6 (10.5)                        | 0.004   |
| Killip 1 or 2, n (%)           | 328 (82.0)                      | 41 (71.9)                      | 0.071   |
| Systolic blood pressure on admission, mmHg | 139±34                      | 132±27                        | 0.050   |
| Diastolic blood pressure on admission, mmHg | 79±22                      | 74±17                         | 0.051   |
| Heart rate on admission, bpm   | 79±23                           | 76±22                          | 0.269   |
| Variable                                                                 | n (%)     | p-value |
|--------------------------------------------------------------------------|-----------|---------|
| Shock status, n (%)                                                     | 54 (13.5) | 0.912   |
| Cardio-pulmonary arrest, n (%)                                          | 18 (4.5)  | 0.736   |
| Catecholamine use before coronary angiography, n (%)                     | 37 (9.3)  | 0.468   |
| Use of intra-aortic balloon pumping, n (%)                              | 51 (12.8) | 0.319   |
| Use of veno-arterial extra-corporeal membrane oxygenation, n (%)        | 8 (2.0)   | 0.147   |
| Blood transfusion during admission, n (%)                               | 43 (10.8) | <0.001  |

**Lesion and procedural characteristics**

| Variable                                                                 | n (%)     | p-value |
|--------------------------------------------------------------------------|-----------|---------|
| Infarct related artery                                                                                       | 0.573     |
| Left main-left anterior descending artery, n (%)                                                           | 205 (51.3)|         |
| Left circumflex artery, n (%)                                                                                | 51 (12.8) |         |
| Right coronary artery, n (%)                                                                                  | 141 (35.3)|         |
| Bypass graft vessel, n (%)                                                                                   | 3 (0.8)   |         |
| Number of narrowed coronary arteries                                                                           |           | 0.345   |
| 1                                                                      | 219 (54.9)|         |
| 2                                                                      | 118 (29.6)|         |
| 3                                                                      | 62 (15.5) |         |
| Type of revascularization                                                                                            |           | <0.001  |
| PCI only, n (%)                                                                                              | 374 (93.5)|         |
| CABG, n (%)                                                                                                   | 7 (1.8)   |         |
| PCI and CABG, n (%)                                                                                            | 0 (0.0)   |         |
| Medication and others, n (%)                                                                                    | 19 (4.8)  |         |
| Any PCI, n (%)                                                                                                 | 374 (93.5)| <0.01   |
| Type of PCI (n = 413)                                                                                            |           | 0.633   |
| Drug-eluting stent use, n (%)                                                                                  | 333 (89.0)|         |
| Bare metal stent use, n (%)                                                                                   | 12 (3.5)  |         |
| Others, n (%)                                                                                                  | 25 (6.7)  |         |
| Final TIMI-3 flow, n (%)                                                                                        | 370 (92.5)|         |
| Outcomes                                                                                                       |           | 0.784   |
| Peak creatinine kinase level, mU/ml                                                                              | 1569±2255 |         |
| Peak creatinine kinase-myocardial band level, mU/ml                                                             | 138±182   |         |
| Left ventricular ejection fraction, (%)                                                                         | 55.4±13.3 |         |


Categorical variables were compared using the Pearson $\chi^2$ test. Normally distributed continuous variables were compared using the unpaired Student’s t-test. Non-normally distributed continuous variables were compared using the Mann–Whitney U-test.

| Length of hospital stay, days | $10 \pm 8$ | $19 \pm 21$ | <0.001 |
|------------------------------|------------|-------------|--------|

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