

Supplemental material to

“Complexity of coronary artery disease and the release of cardiac biomarkers after CABG”

Supplemental Table 1: Grouping of cohort

| | Syntax 1 | | Syntax 2 |
|----------------|-----------------|----------------|-----------------|
| Lower Tertile | <24.0 | Lower Tertile | <25.3 |
| Middle Tertile | 24.0-32.0 | Middle Tertile | 25.3-34.9 |
| Upper Tertile | >32.0 | Upper Tertile | >34.9 |

Patients were divided into three groups according to their SYNTAX Score and SYNTAX Score II results.

Supplemental Table 2: Associations between SYNTAX Score / SYNTAX Score II and cardiac biomarkers upon cardiac surgery for elective cases only

| hs-cTnT | R² | p-val |
|----------------|----------------------|--------------|
| Syntax 1 | 0.002 | 0.257 |
| Syntax 2 | 0.003 | 0.137 |
| CK-MB | | |
| Syntax 1 | 0.003 | 0.143 |
| Syntax 2 | 0.002 | 0.287 |

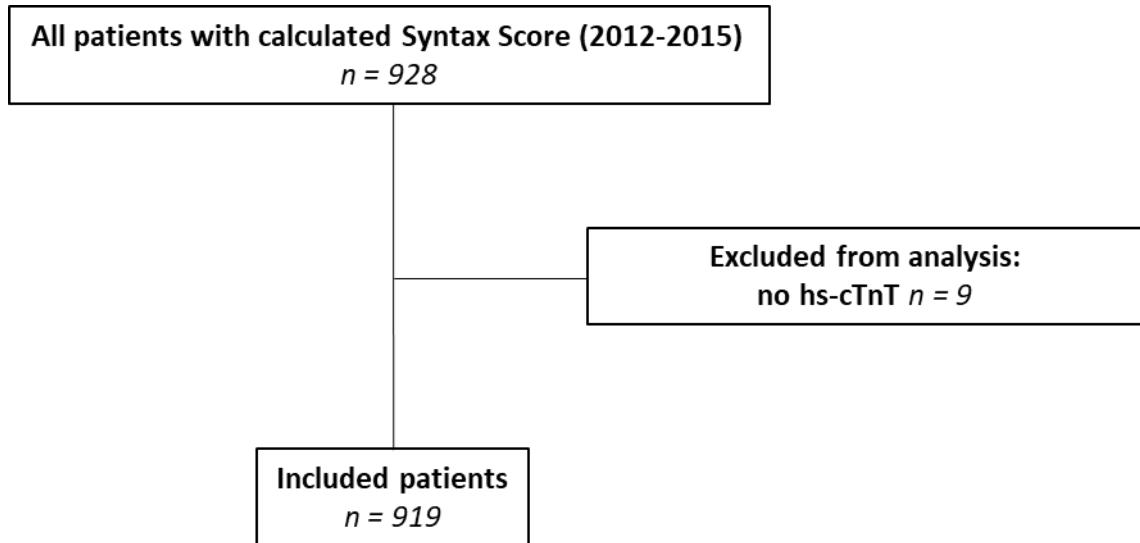
Supplemental Table 3: Occurrence of myocardial infarction and PCI prior to the surgery

| SYNTAX Score | | | | | |
|-----------------------|---------------------------------|---|--|---|----------------|
| | All patients n = 919 | Lower Tertile n= 304 (33.1%) | Middle Tertile n= 309 (33.6%) | Upper Tertile n= 306 (33.3%) | p-value |
| Myocardial infarction | 434 (47.2%) | 136 (44.7%) | 140 (45.3%) | 158 (51.6%) | 0.166 |
| MI time | | | | | 0.376 |
| <6h | 10 (2.3%) | 6 (4.4%) | 1 (0.7%) | 3 (1.9%) | |
| 6-24h | 10 (2.3%) | 1 (0.7%) | 4 (2.9%) | 5 (3.2%) | |
| 1-7d | 55 (12.7%) | 19 (14.0%) | 13 (9.3%) | 23 (14.6%) | |
| 8-21d | 73 (16.8%) | 16 (11.8%) | 23 (16.4%) | 34 (21.5%) | |
| 22-89d | 126 (29.0%) | 39 (28.7%) | 50 (35.7%) | 37 (23.4%) | |
| >90d | 160 (36.9%) | 55 (40.4%) | 49 (35.0%) | 56 (35.4%) | |
| PCI | 238 (25.9%) | 83 (27.3%) | 86 (27.8%) | 69 (22.5%) | 0.259 |
| PCI time | | | | | 0.91 |
| <6h | 19 (8.0%) | 7 (8.4%) | 6 (7.0%) | 6 (8.7%) | |
| >6h | 219 (92.0%) | 76 (91.6%) | 80 (93.0%) | 63 (91.3%) | |

| SYNTAX Score II | | | | | |
|------------------------|---------------------------------|---|--|---|----------------|
| | All patients n = 919 | Lower Tertile n= 309 (33.6%) | Middle Tertile n= 305 (33.2%) | Upper Tertile n= 305 (33.2%) | p-value |
| Myocardial infarction | 434 (47.2%) | 156 (50.5%) | 137 (44.9%) | 141 (46.2%) | 0.352 |
| MI time | | | | | 0.138 |
| <6h | 10 (2.3%) | 1 (0.6%) | 2 (1.5%) | 7 (5.0%) | |
| 6-24h | 10 (2.3%) | 2 (1.3%) | 5 (3.6%) | 3 (2.1%) | |
| 1-7d | 55 (12.7%) | 16 (10.3%) | 18 (13.1%) | 21 (14.9%) | |
| 8-21d | 73 (16.8%) | 28 (17.9%) | 17 (12.4%) | 28 (19.9%) | |
| 22-89d | 126 (29.0%) | 48 (30.8%) | 44 (32.1%) | 34 (24.1%) | |
| >90d | 160 (36.9%) | 61 (39.1%) | 51 (37.2%) | 48 (34.0%) | |
| PCI | 238 (25.9%) | 81 (26.2%) | 77 (25.2%) | 80 (26.2%) | 0.951 |
| PCI time | | | | | 0.722 |
| <6h | 10 (2.3%) | 8 (9.9%) | 5 (6.5%) | 6 (7.5%) | |
| >6h | 10 (2.3%) | 73 (90.1%) | 72 (93.5%) | 74 (92.5%) | |

PCI = percutaneous coronary intervention.

Supplemental Figure 1: Flow chart



Supplemental Figure 2:

