

## Supplemental digital content

**Table S1. Baseline Characteristics of the patients according to on/off-pump CABG**

| Characteristic                      | OPCABG (n=64)  | On-pump CABG (n=57) | P value |
|-------------------------------------|----------------|---------------------|---------|
| Age, years                          | 63(57-67)      | 60(52-67)           | 0.220   |
| Male                                | 48(75)         | 47(82)              | 0.319   |
| BMI, kg/m <sup>2</sup>              | 25(22-28)      | 25(23-26)           | 0.724   |
| Comorbidity                         |                |                     |         |
| Hypertension                        | 38(59)         | 36(63)              | 0.670   |
| Diabetes                            | 26(41)         | 20(35)              | 0.531   |
| Left main disease <sup>a</sup>      | 19(30)         | 19(33)              | 0.666   |
| Prior myocardial infarction         | 15(23)         | 14(25)              | 0.885   |
| No. of diseased vessels             | 3(2-3)         | 3(2-4)              | 0.245   |
| STEMI                               | 8(13)          | 11(19)              | 0.305   |
| EuroSCORE                           | 6(4-7)         | 5(3-7)              | 0.367   |
| Emergency operation                 | 4(6)           | 9(16)               | 0.091   |
| Indications for ECMO implementation |                |                     |         |
| Unsuccessful weaning off CPB        | 0(44)          | 39(26)              | <0.001  |
| Delayed cardiogenic shock           | 47(40)         | 16(59)              | <0.001  |
| Cardiac arrest                      | 17(17)         | 2(15)               | 0.001   |
| Pre-ECMO parameters <sup>b</sup>    |                |                     |         |
| Cardiac arrest                      | 37(58)         | 28(49)              | 0.339   |
| SOFA score                          | 12(10-13)      | 13(10-13)           | 0.332   |
| Inotropic score*                    | 82(59-106)     | 69(54-79)           | 0.002   |
| Platelet count, ×10 <sup>9</sup> /L | 131(72-181)    | 69(47-103)          | <0.001  |
| Serum lactate, mmol/L               | 11.7(6.2-16.5) | 9.2(7.2-13.1)       | 0.309   |
| Serum creatinine, umol/L,           | 115(84-139)    | 115(84-140)         | 0.672   |
| CK-MB, IU/L                         | 142(38-266)    | 133(67-253)         | 0.428   |

Data are presented as medians (25th–75th percentile) or n (%).

BMI, Body Mass Index; STEMI, ST-elevation myocardial infarction; OPCABG, off-pump coronary artery bypass grafting; ECMO, extracorporeal membrane oxygenation; CPB, cardiopulmonary bypass; IABP, intra-aortic balloon pump; SOFA score, the sepsis-related organ failure assessment score; CK-MB, creatine kinase-MB.

\* Inotropic score, in µg/kg/min, was calculated as follows: dopamine + dobutamine + 100 × epinephrine + 100 × norepinephrine + 15×milrinone.

<sup>a</sup> Left main disease was defined as any stenosis ≥50 % of the left main trunk.

<sup>b</sup> Worse value within 6 h prior ECMO cannulation.

**Supplemental Figure 1: Kaplan-Meier curve showing survival for patients with OPCABG or on-pump CABG. CABG, coronary artery bypass grafting.**

