

Table S6. Hospital outcomes of patients undergoing OPCAB vs ONCAB in the ART

| | OPCAB | ONCAB unmatched | P-value* Pre-PSM | ONCAB matched | P-value† Post-PSM |
|---------------------------------|------------|--------------------|---------------------|------------------|----------------------|
| n | 1260 | 1700 | | 1260 | |
| Death n(%) | 12 (1.0) | 18 (1.1) | 0.92 | 15 (1.2) | 0.70 |
| CVA n(%) | 20 (1.6) | 19 (1.1) | 0.34 | 13 (1.0) | 0.29 |
| Periop MI n(%) | 10 (0.8) | 40 (2.4) | 0.002 | 32 (2.5) | 0.001 |
| CK-MB 24h (U/L) mean (sd) | 34 (179) | 80 (125) | 0.007 | 83 (139) | 0.02 |
| IABP insertion n(%) | 58 (4.6) | 59 (3.5) | 0.14 | 46 (3.7) | 0.27 |
| Repeat Revascularisation n(%) | 8 (0.6) | 7 (0.4) | 0.56 | 7 (0.6) | 1 |
| POAF n(%) | 279 (22.1) | 451 (26.5) | 0.007 | 333 (26.4) | 0.01 |
| Renal replacement therapy n(%) | 72 (5.7) | 79 (4.6) | 0.22 | 64 (5.1) | 0.54 |
| AKI n(%) | 225 (17.9) | 290 (17.1) | 0.61 | 221 (17.5) | 0.88 |
| Sternal wound complication n(%) | 35 (2.8) | 67 (3.9) | 0.11 | 52 (4.1) | 0.08 |
| Reexploration for bleeding n(%) | 40 (3.2) | 62 (3.6) | 0.55 | 51 (4.0) | 0.29 |

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|----------------------|------------|------------|------|------------|------|
| RBC transfusion n(%) | 165 (13.1) | 280 (16.5) | 0.01 | 207 (16.4) | 0.02 |
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*Chi test or t-test

‡ McNemar test or paired t-test

OPCAB: Off-pump coronary artery bypass; ONCAB: On-pump coronary artery bypass; ART: Arterial revascularization trial; PSM: Propensity score matching; MI: Myocardial infarction; CK-MB creatine kinase-MB; IABP: Intra-aortic balloon pump; POAF: Postoperative atrial fibrillation; AKI: Acute kidney injury; RBC: Red blood cell. Reproduced from: Benedetto U, et al. Off-pump versus on-pump coronary artery bypass grafting: Insights from the Arterial Revascularization Trial. J Thorac Cardiovasc Surg. 2018;155(4):1545-1553.e7.

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