

Supplemental digital content 1

Results of the first sensitivity analysis

Postoperative outcomes

	Intervention group n=169	Reference group n=507	odds ratio (95%CI)	p-value
Blood loss >500 mL first 12 h	79 (46.7)	290 (57.2)	0.68 (0.47;0.97)	0.033
Early reexploration for bleeding /tamponade	4 (2.4)	23 (4.5)	0.53 (0.17;1.59)	0.257
Late intervention for tamponade	4 (2.4)	6 (1.2)	1.94 (0.49;7.76)	0.346
Stroke	5 (3.0)	16 (3.2)	1.03 (0.38;2.81)	0.957
Myocardial infarction	25 (14.8)	57 (11.2)	1.40 (0.84;2.34)	0.195
Patients with postoperative infection	35 (20.7)	88 (17.4)	1.25 (0.80;1.96)	0.325
• Mediastinitis	2 (1.2)	1 (0.2)	7.09 (0.75;66.7)	0.087
• Superficial wound infection	1 (0.6)	2 (0.4)	1.48 (0.13;17.0)	0.753
• Pneumonia	4 (2.4)	13 (2.6)	0.87 (0.28;2.69)	0.808
• Sepsis	11 (6.5)	23 (4.5)	1.47 (0.69;3.11)	0.318
• Other infections	27 (16.0)	62 (12.2)	1.39 (0.83;2.32)	0.206
SIRS	13 (7.7)	25 (4.9)	1.46 (0.71;3.00)	0.305
Shock	28 (16.6)	67 (13.2)	1.31 (0.79;2.17)	0.299
CVVH de novo	9 (5.3)	19 (3.7)	1.42 (0.61;3.30)	0.411
Multi organ failure	7 (4.1)	16 (3.2)	1.31 (0.53;3.27)	0.561
In hospital mortality	7 (4.1)	13 (2.6)	1.55 (0.61;3.95)	0.354
Composite endpoint	34 (20.1)	89 (17.6)	1.21 (0.77;1.90)	0.407
Ventilation >11h	92 (54.4)	227 (44.8)	1.53 (1.07;2.20)	0.021
ICU length of stay >26h	95 (56.2)	235 (46.4)	1.51 (1.06;2.17)	0.024
Vasoactive drugs	139 (82.2)	374 (73.8)	1.62 (1.04;2.55)	0.034
RBC transfusion in ICU	75 (44.4)	172 (33.9)	1.64 (1.13;2.38)	0.009
FFP transfusion in ICU	29 (17.2)	37 (7.3)	2.80 (1.56;5.00)	0.001
Platelet transfusion in ICU	72 (42.6)	22 (4.3)	18.8 (10.3;34.0)	<0.001

The results of the first sensitivity analysis in which the logistic regression was adjusted for the covariates “cellsaver blood returned or not” and “nadir intraoperative hemoglobin”. The absolute numbers and percentages of patients in the intervention and the reference group are given, the regression derived odds ratios with 95% confidence interval and p-values.

CI confidence interval; CVVH Continuous Veno-Venous Hemofiltration; FFP fresh frozen plasma; ICU Intensive Care Unit; RBC red blood cell; SIRS systemic inflammatory response syndrome