

Supplementary Table 1

Variables	Operative Mortality		Adjusted OR	95% CI		Adjusted p-value
	No	Yes		Lower	Upper	
Timing of IABP (Preop) – Group A	511 (88.6)	66 (11.4)	-	-	-	0.002
Timing of IABP (Intraop) – Group B	436 (91.8)	39 (8.2)	0.251	0.107	0.592	0.002
Timing of IABP (Postop) – Group C	46 (74.2)	16 (25.8)	0.260	0.120	0.565	<.001 ^s
Age at operation, mean±SD	60.9±9.4	65.2±10.4	1.067	1.041	1.094	<.001 ^s
Gender – Female (%)	149 (80.5)	36 (19.5)	0.544	0.326	0.907	0.020 ^s
Body mass index (BMI)	24.7±4.1	25.4±4.8	1.071	1.017	1.128	0.009 ^s
Emergency admission/operation (%)	613 (87.2)	90 (12.8)	1.339	0.721	2.486	0.355
Unstable preoperative state (%)	224 (83.3)	45 (16.7)	0.349	0.071	1.729	0.197
Pulmonary hypertension (PASP≥38 mmHG) (%)	246 (80.1)	61 (19.9)	2.085	1.302	3.341	0.002
Renal disease at time of surgery (%)	80 (74.1)	28 (25.9)	2.780	1.556	4.967	<.001 ^s
Cardiogenic shock (%)	87 (69.6)	38 (30.4)	3.684	2.066	6.569	<.001 ^s
Interval Last MI to Surgery (%)	677 (88.6)	87 (11.4)	3.684	2.066	6.569	<.001 ^s
Extra cardiac arteriopathy (%)	107 (79.9)	27 (20.1)	1.247	0.687	2.265	0.468
Unstable angina (%)	578 (89.5)	68 (10.5)	1.104	0.673	1.811	0.695
Intravenous nitrates or any Heparin (%)	443 (90.0)	49 (10.0)	0.582	0.339	.997	0.049
Extent of coronary artery disease (TVD) (%)	730 (91.4)	69 (8.6)	0.417	0.167	1.040	0.061
Left main stem disease (%)	426 (91.0)	42 (9.0)	1.127	0.673	1.888	0.650
EF (Poor ≤30%) (%)	276 (89.6)	32 (10.4)	1.364	0.731	2.545	0.330
Diastolic dysfunction (%)	403 (90.6)	42 (9.4)	0.673	0.423	1.071	0.095

Supplementary Table 2

Variables	Operative complications		Adjusted OR	95% CI		Adjusted p-value
	No	Yes		Lower	Upper	
Timing of IABP (Preop) – Group A	501 (86.8)	76 (13.2)	-	-	-	<.001 ^s
Timing of IABP (Intraop) – Group B	412 (86.7)	63 (13.3)	0.270	0.135	0.542	<.001 ^s
Timing of IABP (Postop) – Group C	39 (62.9)	23 (37.1)	0.294	0.157	0.550	<.001 ^s
Age at operation, mean±SD	61.5±9.6	60.81±9.9	0.997	0.978	1.016	0.744
Gender – Female (%)	156 (84.30)	29 (15.7)	1.108	0.681	1.802	0.680
Body mass index (BMI)	24.9±4.1	24.2±4.5	0.947	0.906	0.991	0.018
Emergency admission/operation (%)	597 (84.9)	106 (15.1)	1.405	0.865	2.283	0.169
Unstable preoperative state (%)	225 (83.6)	44 (16.4)	1.172	0.742	1.850	0.497
Pulmonary hypertension (PASP≥38 mmHG) (%)	248 (80.8)	59 (19.2)	1.205	0.795	1.826	0.379
Hyperlipidemia (%)	778 (85.6)	131 (14.4)	1.117	0.691	1.804	0.652
Renal disease at time of surgery (%)	75 (69.4)	33 (30.6)	2.688	1.632	4.429	<.001 ^s
Hypertension (SBP>160mmHg) (%)	699 (84.9)	124 (15.1)	1.312	0.831	2.071	0.243
Previous PCI (%)	191 (82.7)	40 (17.3)	1.218	0.791	1.874	0.371
Previous cardiovascular intervention (%)	17 (70.8)	7 (29.2)	1.414	0.501	3.993	0.513
Cardiogenic shock (%)	97 (77.6)	28 (22.4)	1.554	0.897	2.689	0.116
Interval Last MI to Surgery – 30 days (%)	660 (86.4)	104 (13.6)	0.942	0.600	1.479	0.795
Unstable angina (%)	560 (86.7)	86 (13.3)	0.853	0.572	1.272	0.436
Intravenous nitrates or any Heparin (%)	428 (87.0)	64 (13.0)	0.786	0.498	1.242	0.303
Extent of coronary artery disease (TVD) (%)	702 (87.9)	97 (12.1)	0.563	0.262	1.211	0.141
Left mainstem disease (%)	415 (88.7)	53 (11.3)	0.903	0.591	1.379	0.635
EF (Poor ≤30%) (%)	270 (87.7)	38 (12.3)	0.734	0.447	1.205	0.221
Diastolic dysfunction (%)	386 (86.7)	59 (13.3)	0.842	0.574	1.235	0.380

Supplementary Table 3

Variables	Prolonged length of stay		Adjusted OR	95% CI		Adjusted p-value
	No	Yes		Lower	Upper	
Timing of IABP (Preop) – Group A	188 (32.8)	386 (67.2)	-	-	-	0.695
Timing of IABP (Intraop) – Group B	155 (32.8)	318 (67.2)	0.817	0.423	1.579	0.548
Timing of IABP (Postop) – Group C	18 (29.0)	44 (71.0)	0.769	0.414	1.426	0.404
Age at operation, mean±SD			1.022	1.006	1.037	0.005 ^S
Gender – Female (%)	51 (27.9)	132 (72.1)	0.894	0.609	1.313	0.567
Body mass index (BMI)			0.981	0.949	1.014	0.252
Emergency admission/operation (%)	226 (32.3)	473 (67.7)	1.137	0.796	1.625	0.480
Unstable preoperative state (%)	83 (31.0)	185 (69.0)	0.890	0.626	1.264	0.514
Pulmonary hypertension (PASP≥38 mmHG) (%)	80 (26.2)	225 (73.8)	1.075	0.771	1.499	0.669
Hyperlipidemia (%)	295 (32.6)	611 (67.4)	0.976	0.679	1.403	0.898
Renal disease at time of surgery (%)	17 (16.0)	89 (84.0)	2.646	1.509	4.640	<.001 ^S
Hypertension (SBP>160mmHg) (%)	249 (30.4)	571 (69.6)	1.490	1.085	2.048	0.014 ^S
Previous PCI (%)	79 (34.5)	150 (65.5)	0.846	0.608	1.178	0.322
Previous cardiovascular intervention (%)	4 (16.7)	20 (83.3)	1.845	0.582	5.849	0.298
Cardiogenic shock (%)	32 (26.2)	90 (73.8)	1.224	0.764	1.960	0.401
Interval Last MI to Surgery – 30 days (%)	241 (31.6)	521 (68.4)	1.168	0.844	1.617	0.348
Unstable angina (%)	203 (31.5)	442 (68.5)	1.311	0.976	1.761	0.072
Intravenous nitrates or any Heparin (%)	166 (33.9)	324 (66.1)	0.904	0.637	1.283	0.572
Extent of coronary artery disease (TVD) (%)	260 (32.6)	538 (67.4)	0.333	0.155	0.713	0.005 ^S
Left mainstem disease (%)	171 (36.6)	296 (63.4)	0.816	0.605	1.101	0.183
EF (Poor ≤30%) (%)	79 (25.6)	229 (74.4)	2.153	1.481	3.128	<.001 ^S
Diastolic dysfunction (%)	148 (33.3)	296 (66.7)	0.812	0.612	1.077	0.148