

Supplementary Table 3. Baseline characteristics according to estimated threshold of platelet/lymphocyte ratio > 11.70

	Low group	High group	Before IPW		After IPW	
	(N=82,228)	(N=19,824)	P-value	AS D	P-value	AS D
C-reactive protein/albumin ratio	0.16 (0.07, 0.47)	1.05 (0.21, 6.05)	<0.001	52.2		
Neutrophil/lymphocyte ratio	1.65 (1.26, 2.18)	4.14 (3.01, 6.24)	<0.001	87.4		
Platelet/lymphocyte ratio	6.81 (5.38, 8.51)	15.87 (13.27, 21.64)	<0.001	>99		
Modified Glasgow prognostic score			<0.001	76.6		
0	76222 (92.7)	12518 (63.1)				
1	4677 (5.7)	4858 (24.5)				
2	1329(1.6)	2448 (12.3)				
Male	41018 (49.9)	10054 (50.7)	0.04	1.7	0.9	0.1
Age	56.1 (±15.1)	56.5 (±16.3)	<0.001	3.3	0.001	3
Body mass index	24.5 (±3.6)	23.5 (±3.8)	<0.001	25.7	0.05	2
ASA physical classification						
I	28840 (35.1)	5284 (26.7)	<0.001	18.3	0.9	0.1
II	46913 (57.1)	11492 (58.0)	0.02	1.9	0.92	0.1
III	6053 (7.4)	2802 (14.1)	<0.001	22	0.41	0.7
IV	355 (0.4)	188 (0.9)	<0.001	6.2	0.14	2
V	67 (0.1)	58 (0.3)	<0.001	4.9	0.72	0.3
Habitual risk factor						
Current alcohol	16852 (20.5)	3308 (16.7)	<0.001	9.8	0.45	0.7
Current smoking	6901 (8.4)	1688 (8.5)	0.59	0.4	0.85	0.2
Previous disease						
Hypertension	25677 (31.2)	6625 (33.4)	<0.001	4.7	0.89	0.1
Diabetes	11413 (13.9)	3454 (17.4)	<0.001	9.8	0.34	0.8
Chronic kidney disease	1968 (2.4)	751 (3.8)	<0.001	8.1	0.03	2.3
Dialysis	554 (0.7)	235 (1.2)	<0.001	5.3	0.03	2.9
Stroke	2202 (2.7)	841 (4.2)	<0.001	8.6	0.82	0.2
Coronary artery disease	2296 (2.8)	594 (3.0)	0.13	1.2	0.97	<0.1
Heart failure	348 (0.4)	165 (0.8)	<0.001	5.2	0.76	0.3
Arrhythmia	1640 (2.0)	491 (2.5)	<0.001	3.3	0.95	0.1
Peripheral artery disease	262 (0.3)	190 (1.0)	0.38	8	0.59	0.4
Aortic disease	443 (0.5)	106 (0.5)	0.99	0.1	0.43	0.9
Valvular heart disease	149 (0.2)	54 (0.3)	0.01	1.9	0.89	0.1
Chronic obstructive pulmonary disease	1915 (2.3)	604 (3.0)	<0.001	4.4	0.49	0.6
Preoperative blood laboratory tests						
Hemoglobin, g/dl	13.4 (±1.8)	12.4 (±2.1)	<0.001	52.7	0.002	3.1
Creatinine, mg/dL	0.9 (±1.0)	1.0 (±1.2)	<0.001	3.9	0.002	5.3
Operative variables						
General anesthesia	66263 (80.6)	16151 (81.5)	0.01	2.3	0.1	1.5
Emergency operation	4896 (6.0)	3625 (18.3)	<0.001	38.5	0.31	0.8
Operation duration, min	134.3 (±100.8)	142.0 (±111.2)	<0.001	7.3	0.09	1.6
Intraoperative transfusion	3242 (3.9)	1688 (8.5)	<0.001	19	0.57	0.5
Intraoperative inotropics infusion	8196 (10.0)	3050 (15.4)	<0.001	16.3	0.46	0.7
Surgical risk						

Mild	24586 (29.9)	4308 (21.7)	<0.001	18.7	0.49	0.7
Intermediate	53149 (64.6)	14145 (71.4)	<0.001	14.4	0.97	<0.1
High	4493 (5.5)	1371 (6.9)	<0.001	6	0.23	1.1
Surgery types						
Neuroendocrine	747 (0.8)	7 (0.2)				
Lung	8187 (8.4)	679 (16.0)				
Head & Neck	12514 (12.8)	847 (20.0)				
Breast	1167 (1.2)	12 (0.3)				
Stomach	1336 (1.4)	128 (3.0)				
Hepatobiliary	6662 (6.8)	542 (12.8)				
Colorectal	12442 (12.7)	610 (14.4)				
Urology	12308 (12.6)	351 (8.3)				
Gynecology	7813 (8.0)	80 (1.9)				
Bone & Skin etc	34636 (35.4)	984 (23.2)				

Data are presented as n (%) or mean (\pm standard deviation) or median (Q1, Q3)

Surgical risk was stratified according to 2014 European Society of Cardiology/European Society of Anaesthesiology guidelines

IPW, inverse probability of weighting; ASD, absolute standardized mean difference; ASA, American Society of Anesthesiologists