

Supplementary Table S1. Predictors associated with composite 30-day major postoperative complications in patients undergoing isolated tricuspid valve surgery.

Variables	Univariate		Multivariable	
	Hazard Ratio (95% CI)	<i>P</i> value	Hazard Ratio (95% CI)	<i>P</i> value
SII ($\geq 1423.12 \times 10^9/L$)	4.96 (2.73–9.01)	0.000	2.63 (1.18–5.84)	0.018
Sex (female)	1.06 (0.67–1.66)	0.809		
Age, yr	1.03 (1.01–1.05)	0.003		
Body mass index, kg/m ²	0.96 (0.90–1.04)	0.328		
Diabetes	1.71 (1.01–2.88)	0.046		
Hypertension	1.63 (1.05–2.54)	0.029		
NYHA	1.73 (1.12–2.67)	0.014		
EuroSCORE	1.06 (1.03–1.10)	0.001		
Preoperative hematocrit, %	0.93 (0.88–0.96)	0.001		
Total bilirubin, mg/dl	1.06 (0.70–1.60)	0.790		
Serum albumin, g/dL	0.43 (0.29–0.62)	0.001		
Creatinine, mg/dL	0.96 (0.76–1.21)	0.718		
AST, IU/L	1.00 (0.98–1.03)	0.920		
ALT, IU/L	0.98 (0.96–1.01)	0.152		
ALP, IU/L	1.01 (1.00–1.01)	0.020		
Uric acid, mg/dL	1.09 (0.98–1.20)	0.095		
BNP, pg/mL	1.00 (1.00–1.01)	0.780		
CRP	1.39 (1.18–1.64)	0.001		
PLR	1.04 (1.03–1.06)	0.001		
NLR	1.33 (1.24–1.42)	0.001		
LVEF, %	0.98 (0.98–1.01)	0.106		

RV dysfunction	1.74 (1.10–2.73)	0.017
PASP, mmHg	0.99 (0.98–1.01)	0.293
Use of ACEI/ARB	1.82 (1.17–2.81)	0.007
Use of β -blocker	1.74 (1.11–2.71)	0.015
Use of CCB	2.03 (1.30–3.17)	0.002
Use of Digoxin	1.34 (0.85–2.12)	0.210
Use of Diuretics	1.34 (1.85–2.16)	0.210

Supplementary Table S2. Predictors associated with composite 30-day major postoperative complications in patients undergoing isolated tricuspid valve surgery.

Variables	Univariate		Multivariable	
	Hazard Ratio (95% CI)	<i>P</i> value	Hazard Ratio (95% CI)	<i>P</i> value
SII ($\geq 878.06 \times 10^9/L$)	4.91 (2.95–8.16)	0.000	2.19 (1.05–4.54)	0.036
Sex (female)	1.06 (0.67–1.66)	0.809		
Age, yr	1.03 (1.01–1.05)	0.003		
Body mass index, kg/m ²	0.96 (0.90–1.04)	0.328		
Diabetes	1.71 (1.01–2.88)	0.046		
Hypertension	1.63 (1.05–2.54)	0.029		
NYHA	1.73 (1.12–2.67)	0.014		
EuroSCORE	1.06 (1.03–1.10)	0.001		
Preoperative hematocrit, %	0.93 (0.88–0.96)	0.001		
Total bilirubin, mg/dl	1.06 (0.70–1.60)	0.790		
Serum albumin, g/dL	0.43 (0.29–0.62)	0.001		
Creatinine, mg/dL	0.96 (0.76–1.21)	0.718		
AST, IU/L	1.00 (0.98–1.03)	0.920		

ALT, IU/L	0.98 (0.96–1.01)	0.152
ALP, IU/L	1.01 (1.00–1.01)	0.020
Uric acid, mg/dL	1.09 (0.98–1.20)	0.095
BNP, pg/mL	1.00 (1.00–1.01)	0.780
CRP	1.39 (1.18–1.64)	0.001
PLR	1.04 (1.03–1.06)	0.001
NLR	1.33 (1.24–1.42)	0.001
LVEF, %	0.98 (0.98–1.01)	0.106
RV dysfunction	1.74 (1.10–2.73)	0.017
PASP, mmHg	0.99 (0.98–1.01)	0.293
Use of ACEI/ARB	1.82 (1.17–2.81)	0.007
Use of β -blocker	1.74 (1.11–2.71)	0.015
Use of CCB	2.03 (1.30–3.17)	0.002
Use of Digoxin	1.34 (0.85–2.12)	0.210
Use of Diuretics	1.34 (1.85–2.16)	0.210

Supplementary Table S3. Predictors associated with composite 30-day major postoperative complications in patients undergoing isolated tricuspid valve surgery.

Variables	Univariate		Multivariable	
	Hazard Ratio (95% CI)	<i>P</i> value	Hazard Ratio (95% CI)	<i>P</i> value
SII ($\geq 750 \times 10^9/L$)	5.34 (3.37–8.47)	0.000	2.81 (1.37–5.76)	0.005
Sex (female)	1.06 (0.67–1.66)	0.809		
Age, yr	1.03 (1.01–1.05)	0.003		
Body mass index, kg/m ²	0.97 (0.90–1.04)	0.328		
Diabetes	1.71 (1.01–2.88)	0.046		

Hypertension	1.63 (1.05–2.54)	0.029
NYHA	1.73 (1.12–2.67)	0.014
EuroSCORE	1.06 (1.03–1.10)	0.001
Preoperative hematocrit, %	0.93 (0.90–0.96)	0.001
Total bilirubin, mg/dl	1.17 (0.83–1.66)	0.365
Serum albumin, g/dL	0.52 (0.37–0.74)	0.001
Creatinine, mg/dL	0.96 (0.80–1.17)	0.737
AST, IU/L	1.00 (0.98–1.03)	0.920
ALT, IU/L	0.98 (0.96–1.01)	0.152
ALP, IU/L	1.05 (1.00–1.01)	0.020
Uric acid, mg/dL	1.09 (0.99–1.20)	0.095
BNP, pg/mL	1.00 (1.00–1.01)	0.200
CRP	1.39 (1.18–1.64)	0.001
PLR	1.04 (1.03–1.06)	0.001
NLR	1.33 (1.24–1.42)	0.001
LVEF, %	0.98 (0.95–1.01)	0.106
RV dysfunction	1.74 (1.10–2.73)	0.017
PASP, mmHg	0.99 (0.98–1.01)	0.293
Use of ACEI/ARB	1.82 (1.17–2.81)	0.007
Use of β -blocker	1.74 (1.11–2.71)	0.015
Use of CCB	2.03 (1.30–3.17)	0.002
Use of Digoxin	1.34 (0.85–2.12)	0.210
Use of Diuretics	1.34 (1.85–2.16)	0.210

Supplementary Table S4. Predictors associated with composite 30-day major postoperative complications in patients undergoing isolated tricuspid valve surgery.

Variables	Univariate		Multivariable	
	Hazard Ratio (95% CI)	<i>P</i> value	Hazard Ratio (95% CI)	<i>P</i> value
SII ($\geq 694.03 \times 10^9/L$)	5.63 (3.60–8.80)	0.000	3.97 (1.72–9.19)	0.001
Sex (female)	1.06 (0.67–1.66)	0.809		
Age, yr	1.03 (1.01–1.05)	0.003		
Body mass index, kg/m ²	0.97 (0.90–1.04)	0.328		
Diabetes	1.71 (1.01–2.88)	0.046		
Hypertension	1.63 (1.05–2.54)	0.029		
NYHA	1.73 (1.12–2.67)	0.014		
EuroSCORE	1.06 (1.03–1.10)	0.001		
Preoperative hematocrit, %	0.93 (0.90–0.96)	0.001		
Total bilirubin, mg/dl	1.17 (0.83–1.66)	0.365		
Serum albumin, g/dL	0.52 (0.37–0.74)	0.001		
Creatinine, mg/dL	0.96 (0.80–1.17)	0.737		
AST, IU/L	1.00 (0.98–1.03)	0.920		
ALT, IU/L	0.98 (0.96–1.01)	0.152		
ALP, IU/L	1.05 (1.00–1.01)	0.020		
Uric acid, mg/dL	1.09 (0.99–1.20)	0.095		
BNP, pg/mL	1.00 (1.00–1.01)	0.200		
CRP	1.39 (1.18–1.64)	0.001		
PLR	1.04 (1.03–1.06)	0.001		
NLR	1.33 (1.24–1.42)	0.001		
LVEF, %	0.98 (0.95–1.01)	0.106		

RV dysfunction	1.74 (1.10–2.73)	0.017
PASP, mmHg	0.99 (0.98–1.01)	0.293
Use of ACEI/ARB	1.82 (1.17–2.81)	0.007
Use of β -blocker	1.74 (1.11–2.71)	0.015
Use of CCB	2.03 (1.30–3.17)	0.002
Use of Digoxin	1.34 (0.85–2.12)	0.210
Use of Diuretics	1.34 (1.85–2.16)	0.210

Supplementary Table S5. Predictors associated with composite 30-day major postoperative complications in patients undergoing isolated tricuspid valve surgery.

Variables	Univariate		Multivariable	
	Hazard Ratio (95% CI)	<i>P</i> value	Hazard Ratio (95% CI)	<i>P</i> value
SII ($\geq 551 \times 10^9/L$)	4.28 (2.76–6.62)	0.000	2.12 (1.11–4.08)	0.024
Sex (female)	1.06 (0.67–1.66)	0.809		
Age, yr	1.03 (1.01–1.05)	0.003		
Body mass index, kg/m ²	0.96 (0.90–1.04)	0.328		
Diabetes	1.71 (1.01–2.88)	0.046		
Hypertension	1.63 (1.05–2.54)	0.029		
NYHA	1.73 (1.12–2.67)	0.014		
EuroSCORE	1.06 (1.03–1.10)	0.001		
Preoperative hematocrit, %	0.93 (0.88–0.96)	0.001		
Total bilirubin, mg/dl	1.06 (0.70–1.60)	0.790		
Serum albumin, g/dL	0.43 (0.29–0.62)	0.001		
Creatinine, mg/dL	0.96 (0.76–1.21)	0.718		
AST, IU/L	1.00 (0.98–1.03)	0.920		

ALT, IU/L	0.98 (0.96–1.01)	0.152
ALP, IU/L	1.01 (1.00–1.01)	0.020
Uric acid, mg/dL	1.09 (0.98–1.20)	0.095
BNP, pg/mL	1.00 (1.00–1.01)	0.780
CRP	1.39 (1.18–1.64)	0.001
PLR	1.04 (1.03–1.06)	0.001
NLR	1.33 (1.24–1.42)	0.001
LVEF, %	0.98 (0.98–1.01)	0.106
RV dysfunction	1.74 (1.10–2.73)	0.017
PASP, mmHg	0.99 (0.98–1.01)	0.293
Use of ACEI/ARB	1.82 (1.17–2.81)	0.007
Use of β -blocker	1.74 (1.11–2.71)	0.015
Use of CCB	2.03 (1.30–3.17)	0.002
Use of Digoxin	1.34 (0.85–2.12)	0.210
Use of Diuretics	1.34 (1.85–2.16)	0.210

Supplementary Table S6. Predictors associated with composite 30-day major postoperative complications in patients undergoing isolated tricuspid valve surgery.

Variables	Univariate		Multivariable	
	Hazard Ratio (95% CI)	<i>P</i> value	Hazard Ratio (95% CI)	<i>P</i> value
SII ($\geq 326.26 \times 10^9/L$, median)	2.54 (1.58–4.09)	0.000	2.13 (1.17–3.89)	0.014
Sex (female)	1.06 (0.67–1.66)	0.809		
Age, yr	1.03 (1.01–1.05)	0.003		
Body mass index, kg/m ²	0.96 (0.90–1.04)	0.328		
Diabetes	1.71 (1.01–2.88)	0.046		

Hypertension	1.63 (1.05–2.54)	0.029
NYHA	1.73 (1.12–2.67)	0.014
EuroSCORE	1.06 (1.03–1.10)	0.001
Preoperative hematocrit, %	0.93 (0.88–0.96)	0.001
Total bilirubin, mg/dl	1.06 (0.70–1.60)	0.790
Serum albumin, g/dL	0.43 (0.29–0.62)	0.001
Creatinine, mg/dL	0.96 (0.76–1.21)	0.718
AST, IU/L	1.00 (0.98–1.03)	0.920
ALT, IU/L	0.98 (0.96–1.01)	0.152
ALP, IU/L	1.01 (1.00–1.01)	0.020
Uric acid, mg/dL	1.09 (0.98–1.20)	0.095
BNP, pg/mL	1.00 (1.00–1.01)	0.780
CRP	1.39 (1.18–1.64)	0.001
PLR	1.04 (1.03–1.06)	0.001
NLR	1.33 (1.24–1.42)	0.001
LVEF, %	0.98 (0.98–1.01)	0.106
RV dysfunction	1.74 (1.10–2.73)	0.017
PASP, mmHg	0.99 (0.98–1.01)	0.293
Use of ACEI/ARB	1.82 (1.17–2.81)	0.007
Use of β -blocker	1.74 (1.11–2.71)	0.015
Use of CCB	2.03 (1.30–3.17)	0.002
Use of Digoxin	1.34 (0.85–2.12)	0.210
Use of Diuretics	1.34 (1.85–2.16)	0.210
