Supplementary

Table S1 Univariable Cox proportional hazards regression

Variables	Pre-PSM		Post-PSM	
	HR (95% CI)	P	HR (95% CI)	P
Anemia	2.5 (1.6–4.0)	<0.001	2.1 (1.2–3.6)	0.008
Symptoms	2.2 (1.3–3.5)	0.002	2.9 (1.3–6.3)	0.010
Age ≥60 years	3.0 (1.5–6.1)	0.002	3.3 (1.4–7.8)	0.006
CKD	1.8 (0.8–4.2)	0.159	0.5 (0.1–3.5)	0.478
HBP	1.2 (0.8–1.8)	0.393	1.3 (0.8–2.3)	0.288
ASA V	1.9 (0.8–4.8)	0.152	2.9 (1.2–7.4)	0.022
Intraoperative bleeding ≥2,000 mL	2.0 (1.2–3.2)	0.006	2.1 (1.2–3.9)	0.014
Blood transfusion ≥4 U	2.6 (1.6–4.4)	<0.001	2.2 (1.2–4.4)	0.018
Platelet transfusion ≥2 U	1.4 (0.9–2.3)	0.158	1.3 (0.7–2.4)	0.332
Surgical time ≥550 min	1.6 (1.1–2.5)	0.025	2.0 (1.1–3.4)	0.018
Femoro-femoral bypass	1.4 (0.9–2.2)	0.140	1.1 (0.7–2.0)	0.663
Simple aortic clamping	0.6 (0.1–2.3)	0.422	0.4 (0.1–3.2)	0.417
LHB	0.6 (0.2–1.7)	0.311	0.5 (0.1–1.9)	0.276
AKI (stage 1)	0.9 (0.5–1.4)	0.567	1.1 (0.6–2.1)	0.709
AKI (stage 2)	1.4 (0.8–2.4)	0.289	1.0 (0.5–2.0)	0.923
AKI (stage 3)	3.6 (2.3–5.5)	<0.001	4.3 (2.5–7.3)	<0.001

AKI, acute kidney injury; CHD, coronary heart disease; HBP, hypertension; LHB, left heart bypass.

Table S2 Univariate logistic regression of 30-day mortality

Variables	Pre-PSM		Post-PSM	
	OR (95% CI)	P	OR (95% CI)	P
Anemia	4.7 (2.2–9.8)	<0.001	3.3 (1.3–8.3)	0.009
Symptoms	2.1 (1.0–4.9)	0.062	2.1 (0.8–7.5)	0.193
Age ≥60 years	5.7 (2.1–14.0)	<0.001	6.8 (2.0–21.1)	0.001
Surgical time ≥550 min	2.2 (1.1–5.0)	0.037	2.2 (0.9–6.3)	0.111
ASA V	3.5 (0.8–11.3)	0.059	5.6 (1.1–21.2)	0.017

© AME Publishing Company.
https://dx.doi.org/10.21037/jtd-2026-2529

Intraoperative bleeding ≥2,000 mL	2.8 (1.2–7.0)	0.019	1.6 (0.6–4.3)	0.329
Blood transfusion ≥4 U	1.8 (0.9–4.1)	0.118	1.8 (0.7–5.1)	0.252
Platelet transfusion ≥2 U	1.5 (0.6–3.5)	0.333	1.7 (0.5–4.6)	0.332
AKI (stage 1)	1.1 (0.5–2.4)	0.789	1.3 (0.4–3.3)	0.639
AKI (stage 2)	2.6 (1.1–5.7)	0.019	1.3 (0.4–3.7)	0.646
AKI (stage 3)	4.9 (2.3–10.2)	<0.001	5.0 (2.0–12.7)	0.001
Femoro-femoral bypass	2.6 (1.1–7.8)	0.053	2.2 (0.8–8.0)	0.156

AKI, acute kidney injury.

© AME Publishing Company.
https://dx.doi.org/10.21037/jtd-2026-2529