

Table S1 KDIGO criteria of AKI for adult patients

Stage	Serum creatinine	Urine output
1	1.5–1.9 times baseline; or ≥ 0.3 mg/dL (≥ 26.5 $\mu\text{mol/L}$) increase	< 0.5 mL/kg/h for 6–12 hours
2	2.0–2.9 times baseline	< 0.5 mL/kg/h for ≥ 12 hours
3	3.0 times baseline; or increase in serum creatinine to ≥ 4.0 mg/dL (353.6 $\mu\text{mol/L}$); or initiation of renal replacement therapy; or in patients < 18 years, decrease in eGFR to 35 mL/min per 1.73 m ²	< 0.3 mL/kg/h for ≥ 24 hours; or anuria for ≥ 12 hours

KDIGO, Kidney Disease Improving Global Outcome; AKI, acute kidney injury.

Table S2 Univariable regression analysis comparing baseline clinical characteristics

Variables	OR	95% CI	P value
Preoperative parameters			
Male gender	0.80	0.15–4.46	0.804
BMI (kg/m ²)	1.09	0.92–1.31	0.316
MELD score	1.13	0.96–1.34	0.149
MELD-Na score	0.89	0.74–1.07	0.220
Intraoperative parameters			
Duration surgery (hours)	1.59	1.07–2.39	0.023
Blood loss (L)	0.22	0.06–0.81	0.023
Intraoperative urine output (mL/h)	0.99	0.99–1.00	0.413
Duration of IVC interruption (min)	0.98	0.95–1.00	0.034
Maximum dose of norepinephrine ($\mu\text{g/kg/min}$)	0.64	0.04–10.25	0.756
SOFA score	0.98	0.80–1.21	0.881
APACHE II score	0.99	0.89–1.12	0.916
Postoperative parameters			
Lactate (mmol/L)	1.07	0.84–1.36	0.604
Albumin (g/L)	0.81	0.67–0.97	0.024
AST (U/L)	1.00	0.99–1.00	0.253
ALT (U/L)	1.00	1.00–1.01	0.007
PCT (ng/mL)	1.00	0.99–1.02	0.773
PT (s)	1.42	0.87–2.32	0.164
INR	0.34	0.01–29.11	0.633
PA (%)	1.07	0.92–1.26	0.369
Mb (ng/mL)	1.01	1.00–1.01	0.006

Postoperative parameters were POD0. BMI, body mass index; MELD, model for end-stage liver disease; IVC, inferior vena cava; SOFA, Sequential Organ Failure Assessment; APACHE II, Acute Physiology Chronic Health Disease Classification System II; AST, aspartate transaminase; ALT, alanine transaminase; PCT, procalcitonin; PT, prothrombin time; INR, international normalized ratio; PA, prothrombin activity; Mb, myoglobin; OR, odd ratio; CI, confidence interval; POD0, post-operative day 0.