

**Supplementary Table 2. Cox regression analysis of predictors for 90-day mortality excluding liver transplant recipients**

Characteristic	Univariable analysis		Multivariable analysis	
	HR (95% CI)	p-value	HR (95% CI)	p-value
<b>Age</b>				
Younger-old	Reference		Reference	
Older-old	0.68 (0.45–1.03)	0.07	0.76 (0.48–1.21)	0.25
Male sex	0.81 (0.58–1.12)	0.20	0.71 (0.44–1.15)	0.16
Body mass index	1.02 (0.98–1.06)	0.33		
<b>Comorbidities</b>				
Hepatobiliary origin disease	2.15 (1.41–3.27)	<0.001	2.18 (1.00–4.74)	0.05
Liver cirrhosis	1.70 (0.92–3.15)	0.09	0.29 (0.09–0.92)	0.04
Cancer	1.43 (1.04–1.98)	0.03	1.21 (0.77–1.89)	0.41
Heart failure	1.12 (0.77–1.63)	0.56		
Ischemic heart disease	1.26 (0.82–1.93)	0.29	2.25 (1.10–4.61)	0.03
Diabetes mellitus	1.02 (0.72–1.45)	0.91		
Cerebrovascular disease	0.74 (0.40–1.36)	0.33		
Hypertension	0.99 (0.72–1.36)	0.95		
<b>Disease severities</b>				
Mean blood pressure	1.01 (1.00–1.02)	0.11	0.99 (0.98–1.02)	0.94
Usage of ventilator	0.63 (0.46–0.86)	0.004	0.54 (0.35–0.83)	0.005
Usage of vasopressor	1.22 (0.89–1.68)	0.21	2.06 (1.26–3.36)	0.004
Urine output on the day of CRRT initiation	1.00 (0.99–1.00)	0.06	1.00 (0.99–1.00)	0.19
<b>Operation</b>				
Any type of operation	0.74 (0.53–1.03)	0.08	0.91 (0.53–1.57)	0.73
Cardiac surgery	0.76 (0.39–1.48)	0.42		
<b>Mechanical cardiac support</b>				
IABP	1.58 (0.59–4.27)	0.37		
LVAD	2.15 (0.30–15.46)	0.45		
ECMO	0.93 (0.41–2.11)	0.87		
<b>Medications</b>				
RAS blocker	0.99 (0.72–1.35)	0.93		
Diuretics	0.88 (0.62–1.26)	0.49		
Statin	0.92 (0.66–1.30)	0.64		
<b>Biochemical data at the time of CRRT initiation</b>				
Hemoglobin	0.99 (0.89–1.11)	0.91		
BUN	1.00 (1.00–1.01)	0.13	1.00 (0.99–1.01)	0.76
Creatinine	1.09 (1.00–1.19)	0.04	1.05 (0.92–1.21)	0.45
Albumin	1.03 (0.77–1.37)	0.84		
Bilirubin	1.05 (1.02–1.07)	<0.001	1.00 (0.96–1.04)	0.97
ALT	1.00 (1.00–1.00)	0.23	1.00 (1.00–1.00)	0.58
PT-INR	1.14 (0.92–1.42)	0.24	1.02 (0.79–1.32)	0.88
Sodium	0.99 (0.96–1.03)	0.64		
Potassium (mmol/L)		0.38		
<3.5	0.74 (0.52–1.06)	0.097		
3.5–4.5	Reference			
>4.5	1.11 (0.72–1.74)	0.63		
Chloride	0.97 (0.94–1.00)	0.04	0.98 (0.93–1.03)	0.44
Calcium	0.99 (0.87–1.13)	0.90		
Phosphorous (mg/dL)		0.06	1.01 (0.90–1.13)	0.86
<2.5	Reference			
2.5–4.49	2.02 (1.01–4.05)	0.048		
≥4.5	2.24 (1.11–4.50)	0.02		
Magnesium	1.05 (0.75–1.46)	0.79		
Uric acid	1.03 (0.99–1.06)	0.16	1.02 (0.94–1.10)	0.70

ALT, alanine transaminase; BUN, blood urea nitrogen; CI, confidence interval; CRRT, continuous renal replacement therapy; ECMO, extracorporeal membrane oxygenation; HR, hazard ratio; IABP, intra-aortic ballooning pump; INR, international normalized ratio; LVAD, left ventricular assist device; PT, prothrombin time.