

Supplementary Table 1. Cox regression analysis of predictors for 28-day mortality excluding liver transplant recipients

Characteristic	Univariable analysis		Multivariable analysis	
	HR (95% CI)	p-value	HR (95% CI)	p-value
Age				
Younger-old	Reference		Reference	
Older-old	0.68 (0.45–1.04)	0.07	0.68 (0.43–1.09)	0.11
Male sex	0.83 (0.54–1.29)	0.41		
Body mass index	1.03 (0.98–1.08)	0.24	1.05 (0.99–1.11)	0.11
Comorbidities				
Hepatobiliary origin disease	2.28 (1.39–3.71)	0.001	1.14 (0.53–2.46)	0.74
Liver cirrhosis	2.30 (1.15–4.58)	0.02	1.54 (0.62–3.86)	0.35
Cancer	1.40 (0.92–2.14)	0.12	1.30 (0.81–2.09)	0.27
Heart failure	0.98 (0.58–1.66)	0.93		
Ischemic heart disease	1.14 (0.63–2.05)	0.66		
Diabetes mellitus	1.08 (0.68–1.72)	0.74		
Cerebrovascular disease	1.18 (0.57–2.44)	0.66		
Hypertension	1.07 (0.70–1.62)	0.77		
Disease severities				
Mean blood pressure	1.01 (0.99–1.02)	0.46		
Usage of ventilator	0.74 (0.49–1.12)	0.16	0.72 (0.45–1.15)	0.17
Usage of vasopressor	1.22 (0.80–1.86)	0.36		
Urine output on the day of CRRT initiation	1.00 (1.00–1.00)	0.01	0.99 (0.99–1.00)	0.05
Operation				
Any type of operation	0.59 (0.36–0.95)	0.03	0.64 (0.36–1.13)	0.12
Cardiac surgery	0.50 (0.16–1.57)	0.23	0.59 (0.08–4.65)	0.62
Mechanical cardiac support				
IABP	2.86 (1.05–7.79)	0.04	3.95 (1.29–12.12)	0.02
LVAD	2.15 (0.30–15.46)	0.45		
ECMO	1.10 (0.40–3.00)	0.85		
Medications				
RAS blocker	1.01 (0.66–1.53)	0.98		
Diuretics	0.93 (0.58–1.49)	0.75		
Statin	0.93 (0.59–1.46)	0.74		
Biochemical data at the time of CRRT initiation				
Hemoglobin	1.00 (0.87–1.15)	0.98		
BUN	1.00 (1.00–1.01)	0.74		
Creatinine	1.01 (0.90–1.13)	0.89		
Albumin	1.01 (0.68–1.51)	0.95		
Bilirubin	1.04 (1.02–1.07)	0.002	1.02 (0.98–1.05)	0.43
ALT	1.00 (1.00–1.00)	0.77		
PT-INR	1.22 (0.93–1.60)	0.16	1.28 (0.95–1.72)	0.11
Sodium	0.98 (0.94–1.01)	0.15	1.02 (0.97–1.08)	0.43
Potassium (mmol/L)		0.50		
<3.5	0.72 (0.44–1.17)	0.18		
3.5–4.5	Reference			
>4.5	1.08 (0.60–1.94)	0.81		
Chloride	0.96 (0.92–0.99)	0.02	0.95 (0.90–1.01)	0.10
Calcium	1.02 (0.86–1.22)	0.81		
Phosphorous (mg/dL)		0.66		
<2.5	Reference			
2.5–4.49	1.67 (0.66–4.23)	0.28		
≥4.5	1.75 (0.68–4.46)	0.24		
Magnesium	1.16 (0.74–1.82)	0.53		
Uric acid	1.00 (0.94–1.06)	0.90		

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