

Supplementary Table 2. Baseline clinical characteristics of non-survivors and survivors among hematologic malignancy patients

Characteristics	Non-survivors	Survivors	p-value
No. of patients	142	31	
Age (yr)	65 (52–73)	63 (43–73)	0.37
Male sex	76 (53.5)	20 (64.5)	0.26
Hematologic malignancy			
Leukemia	71 (50.0)	13 (41.9)	0.42
Lymphoma	48 (33.8)	10 (32.3)	0.87
Multiple myeloma	16 (11.3)	7 (22.6)	0.09
Myelodysplastic syndrome	6 (4.2)	1 (3.2)	0.80
Cancer status			
Diagnosis	12 (8.5)	3 (9.7)	0.83
Induction	43 (30.3)	6 (19.4)	0.22
Remission	45 (31.7)	8 (25.8)	0.52
Stabilization	18 (12.7)	7 (22.6)	0.16
Progression	24 (16.9)	7 (22.6)	0.46
Underlying disease, overlapped			
Hypertension	45 (31.7)	8 (25.8)	0.52
Diabetes mellitus	38 (26.8)	7 (22.6)	0.63
Cardiovascular disease	23 (16.2)	10 (32.3)	0.047
Chronic pulmonary disease	2 (1.4)	1 (3.2)	0.48
Liver disease	6 (4.2)	1 (3.2)	0.8
Chronic kidney disease	11 (7.7)	3 (9.7)	0.72
Treatment history before ICU admission			
Chemotherapy	117 (82.4)	28 (90.3)	0.23
Radiotherapy	1 (0.7)	0 (0)	0.63
Concurrent chemoradiation therapy	0 (0)	0 (0)	
Steroid	5 (3.5)	0 (0)	0.28
Bone marrow transplantation	27 (19.0)	6 (19.4)	0.57
Admission (day)	22 (12–40)	45 (30–67)	<0.001
ICU admission (day)	5 (2–11)	12 (8–20)	<0.001
ICU admission to CRRT start (day)	1 (0–3)	0 (0–4)	0.74
Body mass index (kg/m ²)	23.0 (21.0–25.6)	24.2 (20.6–27)	0.15
Mean arterial pressure (mmHg)	76 (67–84)	84 (76–93)	0.001
Heart rate (beat/min)	117 ± 25	105 ± 24	0.02
ICU risk factors			
Ventilator use	101 (71.1)	11 (35.5)	<0.001
Vasopressor use	109 (76.8)	14 (45.2)	<0.001
SOFA score	14 (11–16)	10 (8–13)	<0.001
6-Hr urine output before CRRT (mL)	150 (40–350)	255 (60–640)	0.07
Sepsis	83 (58.5)	17 (54.8)	0.71
Trauma	0 (0)	0 (0)	
Surgery	3 (2.1)	0 (0)	0.41
Cause of ICU admission			
Acute kidney injury	35 (24.6)	19 (61.3)	<0.001
Respiratory failure	44 (31.0)	4 (12.9)	0.047
Shock	63 (44.4)	8 (25.8)	0.06

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Supplementary Table 2. Continued

Characteristics	Non-survivors	Survivors	p-value
Acute kidney injury etiology			
Sepsis	109 (76.8)	14 (45.2)	<0.001
Ischemia/shock	8 (5.6)	3 (9.7)	0.40
Drugs	2 (1.4)	1 (3.2)	0.48
Tumor lysis syndrome	13 (9.2)	9 (29.0)	0.003
Urinary tract obstruction	0 (0)	0 (0)	
Others	10 (7.0)	4 (12.9)	0.51
CRRT indication, overlapped			
Sustained oliguria	74 (52.1)	9 (29.0)	0.02
Uncontrolled volume overload	84 (59.2)	18 (58.1)	0.91
Intractable hyperkalemia	7 (4.9)	2 (6.5)	0.73
Severe acidosis	46 (32.4)	3 (9.7)	0.01
Others	62 (43.7)	19 (61.3)	0.08
CRRT duration (hr)	35 (11–90)	92 (48–130)	0.001
Downtime (hr)	1 (0–4)	2 (1–5)	0.07
CRRT prescription			
Prescribed dose (mL/kg/hr)	39.1 (35.1–43.8)	36.4 (35.0–40.5)	0.16
Delivered CRRT dose (mL/kg/hr)	35.6 ± 6.1	34.4 ± 4.6	0.33
Laboratory findings			
White blood cell ($\times 10^3/\mu\text{L}$)	3.2 (0.3–12.5)	8.4 (1.9–24.2)	0.007
Hemoglobin (g/dL)	8.8 (7.9–10.2)	8.5 (7.5–9.5)	0.21
RDW-CV (%)	16.4 (15.2–18.0)	16.0 (14.2–17.3)	0.14
Platelet ($\times 10^3/\mu\text{L}$)	35 (18–61)	48 (28–62)	0.07
Total protein (g/dL)	5.0 (4.3–5.5)	5.4 (4.9–6.1)	0.03
Albumin (g/dL)	2.7 ± 0.5	3.1 ± 0.6	0.001
Potassium (mmol/L)	4.3 (3.8–5.0)	4.3 (3.6–4.9)	0.72
Arterial pH	7.26 ± 0.14	7.36 ± 0.12	0.001
Bicarbonate (mEq/L)	18 (14.2–22.5)	18.8 (16.6–22.5)	0.16
BUN (mg/dL)	58 (37–83)	65.8 (43.4–88.2)	0.19
Creatinine (mg/dL)	2.4 (1.7–3.3)	2.5 (2.0–3.6)	0.20
Uric acid (mg/dL)	6.6 (4.6–8.9)	9.1 (6.7–10.7)	0.006
Corrected calcium (mg/dL) ^a	8.8 (8.1–9.4)	8.6 (7.8–9.3)	0.33
Phosphorus (mg/dL)	4.7 (3.2–6.3)	5.4 (3.2–7.9)	0.31
Lactic acid (mmol/L)	4.3 (2.2–9.7)	2.4 (1.3–3.7)	0.004
PT INR	1.51 (1.30–1.96)	1.49 (1.34–1.74)	0.70
BNP (pg/mL)	704 (219–1,393)	1,872 (279–2,539)	0.44
Pro-BNP (pg/mL)	5,068 (1,127–17,512)	3,966 (1,269–14,996)	0.76

Data are expressed as number (%), median (interquartile range), or mean ± standard deviation.

BNP, brain natriuretic peptide; BUN, blood urea nitrogen; CRRT, continuous renal replacement therapy; ICU, intensive care unit; PT INR, prothrombin time international normalized ratio; RDW-CV, red cell distribution width-coefficient of variation; SOFA, Sequential Organ Failure Assessment.

^aCorrected calcium (mg/dL) = measured total Ca (mg/dL) + 0.8 × [4 – measured serum albumin (g/dL)].