

Supplement Table 1. Distribution and Normality Testing of Clinical and Laboratory Variables (n = 68)

A. Continuous Variables with Normality Testing

(Values expressed as Mean ± SD for normally distributed data and Median [IQR] for non-normal data)

Variable	Value	Shapiro–Wilk Statistic	df	p-value
Age (years)	52 [37.5–60.8]	0.155	68	<0.001
Hospital stay (days)	9 [5.0–12.8]	0.19	68	<0.001
ICU stay (days)	7 [4.0–9.8]	0.213	68	<0.001
Fever duration (days)	7.0 [5.0–10.5]	0.211	68	<0.001
Temperature (°F)	100.5 [99.4–101.6]	0.456	68	<0.001
Heart rate (/min)	105.3 ± 18.0	0.07	68	0.2
SBP (mmHg)	113.9 ± 18.8	0.079	68	0.2
DBP (mmHg)	74 [66–82]	0.122	68	0.014
Respiratory rate (/min)	22 [20–26]	0.13	68	0.006
Oxygen saturation (%)	96 [94–98]	0.148	68	0.001
Hemoglobin on admission (g/dL)	10.78 ± 2.20	0.093	68	0.2
Hematocrit on admission (%)	31.79 ± 6.41	0.09	68	0.2
TLC on admission (/mm ³)	11,577 [8,488–14,590]	0.421	68	<0.001
Platelet count on admission (/mm ³)	80,000 [51,000–124,750]	0.178	68	<0.001
Serum creatinine on admission (mg/dL)	1.35 [0.90–2.90]	0.233	68	<0.001
Serum urea on admission (mg/dL)	68.2 [43.5–127.0]	0.205	68	<0.001
Sodium on admission (mEq/L)	133.8 ± 6.8	0.084	68	0.2
Potassium on admission (mEq/L)	4.28 ± 0.75	0.051	68	0.2
Chloride on admission (mEq/L)	102 [98.3–108.8]	0.14	68	0.002
Bilirubin on admission (mg/dL)	1.4 [0.8–3.6]	0.225	68	<0.001
ALP on admission (U/L)	229 [127.9–350.3]	0.223	68	<0.001
Albumin on admission (g/dL)	2.4 [2.2–2.7]	0.187	68	<0.001
AST on admission (U/L)	126 [67–212]	0.455	68	<0.001
ALT on admission (U/L)	76 [47–114]	0.392	68	<0.001
PaO ₂ on admission (mmHg)	76 [64–88]	0.151	68	0.001
FiO ₂ on admission (%)	34.5 [21–55]	0.215	68	<0.001
APACHE II (Admission)	15.6 ± 7.8	0.087	68	0.2
SOFA score (Admission)	8.6 ± 3.9	0.097	68	0.187

B. Worst Laboratory Values During ICU Stay

Variable	Value	Shapiro–Wilk p-value
Hemoglobin (g/dL)	10.18 ± 1.84	0.2
Hematocrit (%)	30.54 ± 5.51	0.2
TLC (/mm ³)	11,900 [7,063– 18,535]	<0.001
Platelet count (/mm ³)	102,000 [53,500– 130,000]	<0.001
Serum creatinine (mg/dL)	1.40 [0.90–2.97]	<0.001
Sodium (mEq/L)	137 [134–142]	0.098
Potassium (mEq/L)	4.2 [3.8–4.8]	0.002
Bilirubin (mg/dL)	1.65 [0.8–3.7]	<0.001
PaO ₂ (mmHg)	79.2 [70–88.8]	0.012
FiO ₂ (%)	51.7 [33.8–68.8]	0.023
APACHE II at 48 hours	15.5 ± 8.0	0.07
SOFA score at 48 hours	8.7 ± 4.1	0.2

C. Additional Categorical Variables

Variable	n (%)
Vasopressor use	28 (41.2)
Blood product transfusion	13 (19.1)
PRBC transfusion	10 (14.7)
SDPC transfusion	3 (4.4)
Lymphadenopathy	2 (2.9)
Dialysis modality	
Hemodialysis (HD)	9 (13.2)
CRRT	3 (4.4)
SLED	8 (11.8)
Renal outcome at discharge	
Full recovery	45 (66.2)
Partial recovery	13 (19.1)
No recovery	10 (14.7)

Note: Normality was assessed using the Shapiro–Wilk test. A p-value > 0.05 was considered indicative of normal distribution.

Acronym: AKI – Acute Kidney Injury; ALP – Alkaline Phosphatase; ALT – Alanine Aminotransferase; APACHE-II – Acute Physiology and Chronic Health Evaluation II; AST – Aspartate Aminotransferase; CRRT – Continuous Renal Replacement Therapy; DBP – Diastolic Blood Pressure; FiO₂ – Fraction of Inspired Oxygen; HD – Hemodialysis; ICU – Intensive Care Unit; IQR – Interquartile Range; NIV – Non-Invasive Ventilation; NRBM – Non-Rebreathing Mask; PaO₂ – Partial Pressure of Oxygen; PRBC – Packed Red Blood Cells; SBP – Systolic Blood Pressure; SD – Standard Deviation; SDPC – Single Donor Platelet Concentrate; SLED – Sustained Low-Efficiency Dialysis; SOFA – Sequential Organ Failure Assessment; TLC – Total Leukocyte Count

Supplement table 2- Extended Univariate Analysis for In-Hospital Mortality

A. Additional Continuous Variables

Variable	Survivors	Non-survivors	p-value
Fever duration (days)	8.7 ± 6.0	6.4 ± 3.4	0.282
Heart rate (/min)	105.0 ± 18.8	107.9 ± 10.6	0.671
SBP (mmHg)	112.7 ± 17.8	122.8 ± 24.6	0.158
Oxygen saturation (%)	95.3 ± 3.2	94.4 ± 3.1	0.443
Platelet count on admission (/mm ³)	98,517 ± 70,676	81,500 ± 78,682	0.53
Bilirubin on admission (mg/dL)	3.01 ± 3.39	1.59 ± 1.04	0.246
AST on admission (U/L)	584 ± 3077	196 ± 168	0.724
ALT on admission (U/L)	176 ± 612	139 ± 147	0.867
PaO ₂ on admission (mmHg)	78.7 ± 20.8	88.5 ± 23.3	0.22
ICU stay (days)	8.5 ± 7.4	6.1 ± 5.8	0.378
SOFA score at 48 hours	8.7 ± 3.9	8.8 ± 5.2	0.988
APACHE-II at 48 hours	15.3 ± 7.5	17.4 ± 11.7	0.492

B. Additional Categorical Variables

Variable	Survivors n (%)	Non-survivors n (%)	p-value
Gender (female)	32 (53.3)	5 (62.5)	0.625
Altered sensorium	28 (46.7)	5 (62.5)	0.4
Shortness of breath	32 (53.3)	4 (50.0)	0.859
Diabetes mellitus	13 (21.7)	2 (25.0)	0.831
Hypertension	14 (23.3)	3 (37.5)	0.385
Dialysis modality (CRRT/HD/SLED)	—	—	0.264
Dual infections	11 (18.3)	2 (25.0)	0.296

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