

Supplementary

Table S1: Distribution of sepsis etiology based on initial focus (n=158).

Sepsis Etiology	Frequency, n (%)
Gastrointestinal tract	48 (30.4)
Urinary tract	27(17.1)
Sepsis, organ not specified	26 (16.5)
Respiratory tract	22 (13.9)
Skin	21(13.3)
Female Genital Tract	9 (5.7)
Musculoskeletal system	4 (2.5)
Infective endocarditis	1 (0.6)

Categorical variables have been displayed in frequency and percentages.

Table S2: Distribution of nephrotoxic drugs (n=28).

Nephrotoxic drug	Frequency, n (%)
NSAIDS	13 (46.3)
Alternative medications	5 (17.9)
Anti Tubercular drug	2 (7.1)
Aluminum phosphide	1 (3.6)
Amikacin	1 (3.6)
Intravenous contrast	1 (3.6)
Ferrous sulphate	1 (3.6)
Lithium	1 (3.6)
Anabolic Steroid	1 (3.6)
Streptomycin	1 (3.6)
Vancomycin	1 (3.6)

Categorical variables have been displayed in frequency and percentages. NSAIDS: Non-steroidal anti-inflammatory drugs.

Table S3: Univariate Cox regression analysis of predictors of mortality

Variables	HR	95% CI	p value
Age, 18 to 30 years	0.291	0.150 - 0.565	<0.001
Age, 31 to 45 years	0.534	0.299 - 0.954	0.034
Age, 46 to 60 years	0.0621	0.348 -1.110	0.108
Gender, Male	1.158	0.755 - 1.774	0.501
Type of AKI, Oliguric	0.967	0.624 - 1.497	0.879
Single AKI Aetiology	0.482	0.316 - 0.737	0.001
Evidence of hypovolemia	0.966	0.561 - 1.663	0.902
Evidence of CRS	0.818	0.300 - 2.231	0.818
Evidence of HRS	3.801	1.824 - 7.919	<0.001
Cardiogenic shock	1.063	0.259 - 4.357	0.933
Hypovolemic shock	1.943	0.778 - 4.856	0.155
Septic shock	3.203	1.961 - 5.230	<0.001
Evidence of rhabdomyolysis	1.362	0.499 - 3.715	0.547
Evidence of GN	0.489	0.253 - 0.946	0.034
Evidence of sepsis	2.606	1.635 - 4.156	<0.001
Post infectious AKI	0.913	0.421 - 1.977	0.817

Table S3: Contd.

Variables	HR	95% CI	p value
Nephrotoxic drug intake	0.619	0.270 - 1.418	0.257
Post renal obstruction	0.976	0.240 - 3.968	0.973
Post operative AKI	1.847	0.891 - 3.825	0.099
KDIGO, Stage 1	1.574	0.906 - 2.734	0.108
KDIGO, Stage 2	1.22	0.748 - 1.990	0.425
Patient on MV	3.861	2.496 - 5.973	<0.001
Patient on vasopressor	3.299	2.128 - 5.114	<0.001
RRT requirement at diagnosis	0.692	0.441 - 1.087	0.11
Presence of Comorbidities	1.594	1.034 - 2.456	0.035
Obstetric AKI	0.185	0.026 - 1.331	0.094
Protein (gm/dl)	0.805	0.683 - 0.950	0.01
Albumin (gm/dl) >3.5gm	0.723	0.572 - 0.913	0.007

AKI- Acute kidney injury, CRS- cardiorenal syndrome, HRS- Hepatorenal syndrome, GN- glomerulonephritis, KDIGO- kidney disease improving global outcomes, MV- mechanical ventilation, RRT- renal replacement therapy, HR- Hazard ratio, AHR- Adjusted Hazard ratio, CI- Confidence interval

Reference group for age: ≥ 61 years, Reference group for gender: Female, Reference group for AKI type: Non oliguric, Reference group for AKI aetiology: Multiple, Reference group for KDIGO staging: KDIGO stage 3, Reference group for rest of the variables: Absence of the condition

Table S4: Multivariate cox regression analysis of predictors of mortality (excluding glomerulonephritis)

Variables	AHR	95% CI	p value
Age, 18 to 30 years	0.428	0.182 - 1.009	0.052
Age, 31 to 45 years	0.789	0.393 - 1.584	0.506
Age, 46 to 60 years	0.939	0.502 - 1.758	0.844
Single AKI Aetiology	1.199	0.634 - 2.266	0.576
Evidence of HRS	3.425	1.366 - 8.592	0.009
Cardiogenic shock	0.893	0.191 - 4.179	0.886
Hypovolemic shock	0.611	,146 - 2.55	0.499
Septic shock	0.672	0.211 - 2.14	0.501
Sepsis etiology	1.599	0.805 - 3.176	0.18
KDIGO, Stage 1	1.786	0.893 - 3.57	0.101
KDIGO, Stage 2	1.123	0.648 - 1.945	0.68
Patient on MV	2.638	1.293 - 5.38	0.008
Patient on vasopressor	2.065	0.649 - 6.566	0.219
Presence of. Comorbidities	1.123	0.665 - 1.897	0.665
Protein (gm/dl)	0.916	0.738 - 1.137	0.427

AKI- Acute kidney injury, HRS- Hepatorenal syndrome, KDIGO- kidney disease improving global outcomes, MV- mechanical ventilation, HR- Hazard ratio, AHR- Adjusted Hazard ratio, CI- Confidence interval

Reference group for age: ≥ 61 years, Reference group for gender: Female, Reference group for AKI type: Non oliguric, Reference group for AKI aetiology: Multiple, Reference group for KDIGO staging: KDIGO stage 3, Reference group for rest of the variables: Absence of the condition

Table S5: Univariable analysis of factors predicting outcome

Variables	Outcome at 3-months, n (%)				Total n(%) 249 (100)	p value
	CR n(%)	PR n(%)	FR n(%)	Death n(%)		
	115 (46.2)	36 (14.4)	2 (4.8)	86 (34.5)		
Age, 18 to 30 years	45 (58.4)	10 (13.0)	07 (09.1)	15 (19.5)	77 (100.0)	0.001
Age, 31 to 45 years	39 (53.4)	07 (09.6)	02 (02.7)	25 (34.2)	73 (100.0)	
Age, 46 to 60 years	22 (34.4)	15 (23.4)	02 (03.1)	25 (39.1)	64 (100.0)	
Age, ≥ 61 years	09 (25.7)	04 (11.4)	01 (02.9)	21 (60.0)	35 (100.0)	
Gender, Male	64 (47.8)	17 (12.7)	04 (03.0)	49 (36.6)	134 (100.0)	0.366
Gender, Female	51 (44.3)	19 (16.5)	08 (07.0)	37 (32.2)	115 (100.0)	
Oliguric AKI	39 (41.5)	16 (17.0)	07 (07.4)	32 (34.0)	94 (100.0)	0.322
Non-Oliguric AKI	76 (49.0)	20 (12.9)	05 (03.2)	54 (34.8)	155 (100.0)	
Aetiology, Single	79 (48.8)	32 (19.8)	09 (05.6)	42 (25.9)	162 (100.0)	<0.001
Aetiology, Multiple	36 (41.4)	04 (04.6)	03 (03.4)	44 (50.6)	87 (100.0)	
Hypovolemia	31 (64.6)	01 (02.1)	00 (00.0)	16 (33.3)	48 (100.0)	<0.001
CRS	07 (50.0)	03 (21.4)	00 (00.0)	04 (28.6)	14 (100.0)	0.565
HRS	00 (00.0)	00 (00.0)	00 (00.0)	8 (100.0)	08 (100.0)	0.001
Obstructive shock	00 (00.0)	00 (00.0)	00 (00.0)	1 (100.0)	01 (100.0)	<0.001
Cardiogenic shock	04 (57.1)	01 (14.3)	00 (00.0)	02 (28.6)	07 (100.0)	
Hypovolemic shock	05 (50.0)	00 (00.0)	00 (00.0)	05 (50.0)	10 (100.0)	
Septic shock	07 (23.3)	00 (00.0)	00 (00.0)	23 (76.7)	30 (100.0)	
Rhabdomyolysis	04 (44.4)	00 (00.0)	01 (11.1)	04 (44.4)	09 (100.0)	0.325
GN	16 (32.0)	17 (34.0)	07 (14.0)	10 (20.0)	50 (100.0)	<0.001
Sepsis	50 (40.0)	12 (09.6)	02 (01.6)	61 (48.8)	125 (100.0)	<0.001
Post inf. AKI	15 (68.2)	00 (00.0)	00 (00.0)	07 (31.8)	22 (100.0)	0.011
Nephrotoxic Drug	13 (50.0)	04 (15.4)	03 (11.5)	06 (23.1)	26 (100.0)	0.336
Post renal Obstruction	03 (50.0)	01 (16.7)	00 (00.0)	02 (33.3)	06 (100.0)	0.89
Post op. AKI	05 (35.7)	01 (07.1)	00 (00.0)	08 (57.1)	14 (100.0)	0.232
KDIGO Stage 1	14 (35.9)	07 (17.9)	00 (00.0)	18 (46.2)	39 (100.0)	0.028
KDIGO Stage 2	38 (52.8)	07 (09.7)	01 (01.4)	26 (36.1)	72 (100.0)	
KDIGO Stage 3	63 (45.7)	22 (15.9)	11 (08.0)	42 (30.4)	138 (100.0)	
Patient on MV	06 (14.0)	00 (00.0)	02 (04.7)	35 (81.4)	43 (100.0)	<0.001
Vasopressors	11 (25.0)	00 (00.0)	00 (00.0)	33 (75.0)	44 (100.0)	<0.001
RRT required	43 (43.0)	19 (19.0)	10 (10.0)	28 (28.0)	100 (100.0)	0.003
Comorbidities	25 (33.8)	12 (16.2)	03 (04.1)	34 (45.9)	74 (100.0)	0.049
Obstetric disorders	08 (57.1)	02 (14.3)	03 (21.4)	01 (07.1)	14 (100.0)	0.02
Creatinine ≤ 4.5 mg/dl	56 (43.8)	14 (10.9)	02 (01.6)	56 (43.8)	128 (100)	0.002
Creatinine > 4.5 mg/dl	59 (48.8)	22 (18.2)	10 (08.3)	30 (24.8)	121 (100)	
Hb ≤ 10 gm/dl	63 (41.7)	24 (15.9)	12 (07.9)	52 (34.4)	151 (100)	0.003
Hb > 10 gm/dl	52 (53.1)	12 (12.2)	00 (00.0)	34 (34.7)	98 (100)	
Albumin ≤ 3.5gm/dl	81 (44.8)	24 (13.3)	09 (05.0)	67 (37.0)	181 (100)	0.535
Albumin > 3.5gm/dl	34 (50.0)	12 (17.6)	03 (04.4)	19 (27.9)	68 (100)	
TLC ≤ 11000 cells/cu.mm	61 (50.4)	21 (17.4)	08 (06.6)	31 (25.6)	121 (100)	0.026
TLC > 11000 cells/cu.mm	54 (42.2)	15 (11.7)	04 (03.1)	55 (43.0)	128 (100)	
SGOT ≤ 45 (U/L)	90 (47.9)	33 (17.6)	10 (05.3)	55 (29.3)	188 (100)	0.005
SGOT > 45 (U/L)	25 (41.0)	03 (04.9)	02 (03.3)	31 (50.8)	61 (100)	
SGPT ≤ 45 (U/L)	90 (45.7)	32 (16.2)	10 (05.1)	65 (33.0)	197 (100)	0.359
SGPT > 45 (U/L)	25 (48.1)	04 (07.7)	02 (03.8)	21 (40.4)	52 (100)	

CR- complete remission, PR-partial remission, FR- failure to recovery, CRS- cardio-renal syndrome, HRS- Hepatorenal syndrome, GN- glomerulonephritis, AKI – acute kidney injury, KDIGO- kidney disease improving global outcomes, MV- mechanical ventilation, RRT- renal replacement therapy, Hb – Hemoglobin, TLC – total leucocyte count, SGOT – serum glutamate oxaloacetate transaminase, SGPT – serum glutamate pyruvate transaminase

Table S6: Effect of various factors on partial/fail to recover/ death in comparison to complete recovery.

3-month outcome		B	Sig.	Adjusted Odd's ratio (AOR)	95% Confidence Interval for AOR	
					Lower Bound	Upper Bound
PR	Age	0.054	0.003	1.056	1.019	1.094
	GN (Yes)	1.564	0.012	4.777	1.406	16.235
	RRT at evaluation (Yes)	1.655	0.047	5.235	1.022	26.808
FR	Haemoglobin	-0.8	0.019	0.449	0.231	0.875
	GN (Yes)	2.282	0.028	9.798	1.274	75.368
Death	Age	0.036	0.006	1.036	1.01	1.063
	MV (Yes)	2.161	0.001	8.678	2.375	31.708

Reference group: complete recovery group. PR: Partial recovery, FR: Failure to recover, AOR: Adjusted odds ratio, GN: Glomerulonephritis, RRT: Renal replacement therapy, MV: Mechanical ventilation. (Multinomial logistic regression analysis)