

Supplementary materials

Table S1. Descriptive statistics of the patients

Indicator	DECADE	N	Mean	Median	Min	Max	Shapiro-Wilk	
							W	p
GESTATIONAL AGE (weeks)	1	46	37.96	39.00	30.00	43.00	0.79	< .001
	2	53	36.32	38.00	29.00	41.00	0.90	< .001
	3	40	36.95	38.00	27.00	40.00	0.74	< .001
	Overall	139	37.04	38.00	27.00	43.00	0.85	< .001
BIRTH WEIGHT (grams)	1	46	2746.96	2750.00	1700.00	4700.00	0.93	0.009
	2	53	2665.09	2700.00	900.00	4200.00	0.99	0.824
	3	40	2764.25	2900.00	940.00	4100.00	0.94	0.024
	Overall	139	2720.72	2750.00	900.00	4700.00	0.99	0.532
LENGHT (centimeters)	1	46	47.98	49.00	37.00	53.00	0.90	0.001
	2	53	46.93	48.00	31.00	54.00	0.93	0.003
	3	40	47.56	48.00	35.00	52.00	0.87	< .001
	Overall	139	47.46	48.00	31.00	54.00	0.90	< .001
DEFECT SIZE (centimeters)	1	46	6.85	6.00	2.00	18.00	0.91	0.002
	2	53	6.83	6.00	3.00	18.00	0.87	< .001
	3	40	5.50	5.00	2.00	15.00	0.86	< .001
	Overall	139	6.45	5.50	2.00	18.00	0.89	< .001
LENGTH OF HOSPITALIZATION (days)	1	46	16.81	10.00	1.00	54.00	0.85	< .001
	2	53	24.69	14.00	1.00	121.00	0.71	< .001
	3	34	21.18	12.50	2.00	153.00	0.53	< .001
	Overall	133	21.07	12.00	1.00	153.00	0.68	< .001
AGE AT THE TIME OF SURGERY (hours)	1	26	51.69	18.00	3.00	316.00	0.64	< .001
	2	29	48.19	12.00	3.00	252.00	0.68	< .001
	3	29	75.38	40.00	6.00	432.00	0.71	< .001
	Overall	84	58.66	20.50	3.00	432.00	0.69	< .001
AGE AT DEATH (days)	1	24	9.21	5.40	0.50	54.00	0.65	< .001
	2	31	13.98	7.00	1.00	81.00	0.74	< .001
	3	17	25.96	10.00	2.00	153.00	0.59	< .001
	Overall	72	15.22	6.90	0.50	153.00	0.56	< .001
AGE AT ADMISSION (hours)	1	46	10.95	5.00	0.50	102.00	0.46	< .001
	2	53	10.34	4.50	0.50	160.00	0.34	< .001
	3	39	12.56	5.50	1.50	84.00	0.55	< .001
	Overall	138	11.17	5.00	0.50	160.00	0.44	< .001
MOTHER'S AGE (years)	1	46	27.30	26.00	17.00	43.00	0.95	0.039
	2	53	26.19	25.00	15.00	45.00	0.93	0.005
	3	38	30.18	31.00	17.00	45.00	0.97	0.364
	Overall	137	27.67	27.00	15.00	45.00	0.96	< .001
FATHER'S AGE (years)	1	46	31.04	30.00	21.00	49.00	0.94	0.029
	2	53	30.34	30.00	18.00	48.00	0.97	0.180
	3	37	35.62	37.00	22.00	49.00	0.97	0.341
	Overall	136	32.01	31.00	18.00	49.00	0.97	0.009

Table S2. Model summary

Step	-2 Log likelihood	Cox & Snell R Square	Nagelkerke R Square
1	165.685	0.175	0.233
2	144.466	0.291	0.389
3	132.079	0.352	0.469
4	121.620	0.399	0.532
5	113.630	0.432	0.577
6	108.090	0.455	0.607

Step 1. Predictors: (Constant), Sepsis

Step 2. Predictors: (Constant), Sepsis, Acute renal failure

Step 3 Predictors: (Constant), Sepsis, Acute renal failure, Associated abnormalities

Step. 4 Predictors: (Constant), Sepsis, Acute renal failure, Associated abnormalities, Hemorrhagic disease

Step. 5 Predictors: (Constant), Sepsis, Acute renal failure, Associated abnormalities, Hemorrhagic disease, Treatment

Step. 6 Predictors: (Constant), Sepsis, Acute renal failure, Associated abnormalities, Hemorrhagic disease, Treatment, Prematurity

Table S3. Variables in the Equation

Variables		B	S.E.	Wald	df	Sig.	Exp(B)	95% C.I.for EXP(B)	
								Lower	Upper
Step 1 ^a	Sepsis (1)	2.063	0.444	21.595	1	0.000	7.871	3.297	18.792
	Constant	-0.505	0.214	5.569	1	0.018	0.603		
Step 2 ^b	Sepsis (1)	1.936	0.470	16.937	1	0.000	6.933	2.757	17.433
	Acute renal failure (1)	2.784	0.780	12.746	1	0.000	16.176	3.509	74.566
	Constant	-0.867	0.243	12.723	1	0.000	0.420		
Step 3 ^c	Sepsis (1)	2.246	0.508	19.517	1	0.000	9.449	3.489	25.594
	Associated abnormalities (1)	1.598	0.473	11.426	1	0.001	4.942	1.957	12.479
	Acute renal failure (1)	2.538	0.802	10.021	1	0.002	12.655	2.629	60.910
	Constant	-1.468	0.328	19.986	1	0.000	0.230		
Step 4 ^d	Sepsis (1)	2.288	0.545	17.648	1	0.000	9.854	3.389	28.654
	Associated abnormalities (1)	1.711	0.510	11.235	1	0.001	5.534	2.035	15.050
	Acute renal failure (1)	2.035	0.816	6.222	1	0.013	7.656	1.547	37.896
	Associated abnormalities (1)	2.162	0.746	8.405	1	0.004	8.689	2.014	37.476
	Constant	-1.781	0.373	22.771	1	0.000	0.169		
Step 5 ^e	Sepsis (1)	2.286	0.565	16.357	1	0.000	9.835	3.248	29.779
	Associated abnormalities (1)	1.907	0.545	12.229	1	0.000	6.730	2.312	19.594
	Acute renal failure (1)	2.274	0.858	7.019	1	0.008	9.721	1.807	52.292
	Treatment (1)	1.342	0.493	7.416	1	0.006	3.828	1.457	10.057
	Hemorrhagic disease (1)	2.079	0.773	7.229	1	0.007	7.994	1.757	36.380
	Constant	-2.452	0.484	25.708	1	0.000	0.086		

Step 6 ^f	Sepsis (1)	2.567	0.604	18.053	1	0.000	13.031	3.987	42.589
	Associated abnormalities (1)	1.837	0.566	10.532	1	0.001	6.276	2.070	19.029
	Acute renal failure (1)	2.382	0.885	7.243	1	0.007	10.824	1.910	61.340
	Treatment (1)	1.330	0.509	6.814	1	0.009	3.780	1.393	10.257
	Hemorrhagic disease (1)	1.712	0.753	5.166	1	0.023	5.543	1.266	24.267
	Prematurity (1)	1.286	0.557	5.323	1	0.021	3.618	1.213	10.789
	Constant	-2.858	0.558	26.192	1	0.000	0.057		

a. Variable(s) entered on step 1: Sepsis

b. Variable(s) entered on step 2: Acute renal failure

c. Variable(s) entered on step 3: Associated abnormalities

d. Variable(s) entered on step 4: Hemorrhagic disease

e. Variable(s) entered on step 5: Treatment

f. Variable(s) entered on step 6: Prematurity

Table S4. Confusion matrix

Observed	Predicted		Correct
	NO	YES	
NO	56	10	84.848
YES	11	62	84.932
Overall % Correct			84.892

Table S5. Collinearity Statistics

Predictor	Tolerance	VIF
Sepsis	0.783	1.278
Acute renal failure	0.949	1.053
Associated abnormalities	0.802	1.246
Hemorrhagic disease	0.956	1.046
Treatment	0.901	1.110
Prematurity	0.883	1.133

VIF = Variance inflation factor