

Table (1) Maternal and Neonatal data

Data	Category	Number	Percentage %
Sepsis onset	late onset	75	100
	early onset	0	0
Sex	Male	33	44
	Female	42	56
Delivery mode	Vaginal	25	33.3
	C.S	50	66.7
Delivery place	Home	3	4
	Hospital	42	56
	Private clinic	30	40
Birth weight	Normal(>or=2500)	25	33.3
	LBW(1501-2500)	35	46.7
	VLBW(1001-1500)	15	20
Gestational age	Term(>or=37w)	40	53.3
	Preterm(<or=33w)	25	33.4
	Late preterm(34-36w)	10	13.3

Table (2) Gram staining

Gram stain	Number	Percentage %
Positive	34	45.3
Negative	41	54.7
Total	75	100

Table (3) Subculture of the isolates on Blood agar, MacConkey agar and Chocolate agar.

Positive culture	Number of cases	Percentage %
1-Blood agar	72	96
2-Mackonkey agar	40	53.3
3-chocolate agar	no	0

Table (4) Microbiological profile found in positive blood cultures from suspected neonates.

Isolated organisms	Number of cases	Percentage %
Klepseillapneumoniae	34	45.3
staphylococcus aureus	6	8
staphylococcus epidermidis	10	13.4
staphylococcus haemolyticus	13	17.3
pseudomonas aeruginosa	1	1.3
Staphylococcushominis	4	5.3
E.coli	7	9.4
Total	75	100

Table (5) Relation between demographic and clinical data with isolated organism.

Variable	Subgroups	Isolated organisms							
		Klebseilla	S. aureus	S. epidermidis	S. Haemolyticus	Pseud.	S. hominis	E. coli	T
Delivery place	Home Hospital Private	2	0	0	1	0	0	0	3
		20	3	6	8	0	2	3	42
		12	3	4	4	1	2	4	30
Delivery mode	Vaginal C.S	14	0	5	6	0	0	0	25
		20	6	5	7	1	4	7	50
Birth weight	Normal LBW VLBW	12	0	3	7	0	3	0	25
		21	1	3	6	1	1	2	35
		1	5	4	0	0	0	5	15
Gestational age	Term	15	6	6	6	1	2	3	39
	Preterm	16	0	3	2	0	2	2	25
	Late preterm	3	0	1	5	0	0	2	11
Respiratory distress		16	0	3	2	0	3	1	25
Pneumonia		9	0	6	0	0	0	1	16
Convulsions		0	0	0	5	0	0	0	5
Meningitis		0	0	1	2	0	0	0	3
Shock		2	2	0	1	0	0	0	5
Haematologic symptoms		7	2	3	3	0	0	0	15
Neonatal jaundice		7	2	2	3	0	0	1	15
Hypotonia		28	5	9	10	1	4	3	60

Table (6) antimicrobial agents sensitivity among bacterial isolates from the suspected neonates.

Antibiotic	Sensitive		Intermediate		Resistant		Not done	
	Number of cases	Percentage	Number of cases	Percentage	Number of cases	Percentage	Number of cases	Percentage
Ampicillin	-	-	-	-	70	93.3	5	6.7
Oxacillin	-	-	-	-	73	97.4	2	2.6
Amoxycillin Clavulonic	-	-	-	-	74	98.7	1	1.3
Cefoxitin	6	8	-	-	69	92	-	-
Cefotaxime	-	-	3	4	67	89.3	5	6.7
Ceftriaxone	5	6.7	1	1.3	69	92	-	-
Ceftazidime	5	6.7	1	1.3	69	92	-	-
Imipenem	-	-	-	-	2	2.7	73	97.3
Tobramycin	5	6.7	2	2.6	63	84	5	6.7
Gentamycin	40	53.3	-	-	35	46.7	-	-
Amikacin	40	53.3	-	-	35	46.7	-	-
Erythromycin	6	8	-	-	61	81.3	8	10.7
Azithromycin	-	-	-	-	43	57.3	32	42.7
Ciprofloxacin	51	68	12	16	7	9.3	5	6.7
Norfloxacin	15	20	41	54.7	14	18.6	5	6.7
Levofloxacin	54	72	16	21.3	5	6.7	-	-
Nitrofurantoin	72	96	-	-	3	4	-	-
TMSZ	4	5.3	-	-	71	94.7	-	-

Table (7) Comparative Resistances of isolated organisms to different antimicrobial agents.

Antibiotic	S								
		Klebseilla	S.aureus	S.epidermidis	S.haemolyticus	Pseudomonas	S.hominis	E.coli	T
Ampicillin	R N	33 1	6 0	8 2	13 0	1 0	4 0	5 2	70 5
Oxacillin	R N	34 0	6 0	10 0	13 0	1 0	4 0	5 2	73 2
Amox.clavulanic	R N	34 0	6 0	10 0	13 0	0 1	4 0	7 0	74 1
Cefoxitin	S R	0 34	0 6	0 10	0 13	0 1	0 4	6 1	6 69
Cefotaxime	I R N	0 34 0	0 6 0	0 10 0	0 13 0	0 0 1	0 4 0	3 0 4	3 67 5
Ceftriaxone	S I R	0 0 34	0 0 6	0 0 10	0 0 13	0 1 0	0 0 4	5 0 2	5 1 69
Ceftazidime	R	0 34	0 6	0 10	0 13	0 0	0 4	5 2	6 69
Imipenem	R N	0 34	1 5	0 10	0 13	0 1	0 4	1 6	2 73
Tobramycin	S I R N	0 0 34 0	0 0 6 0	0 0 6 4	0 0 12 1	0 0 1 0	0 0 4 0	5 2 0 0	5 2 63 5
Gentamycin	S R	34 0	0 6	0 10	0 13	0 1	0 4	6 1	40 35
Amikacin	S R	32 2	0 6	0 10	0 13	1 0	0 4	7 0	40 35

Table (8) Comparative Resistances of isolated organisms to different antimicrobial agents.

Erythromycin	S R N	0 34 0	6 0 0	0 10 0	0 13 0	0 0 1	0 4 0	0 0 7	6 61 8
Azithromycin	R N	20 14	0 6	6 4	13 0	0 1	4 0	0 7	43 32
Ciprofloxacin	S I R N	34 0 0 0	6 0 0 0	4 1 0 5	0 10 3 0	0 1 0 0	4 0 0 0	3 0 4 0	51 12 7 5
Norfloxacin	S I R N	7 27 0 0	1 5 0 0	3 7 0 0	0 2 10 1	0 0 0 1	4 0 0 0	0 0 4 3	15 41 14 5
Levofloxacin	S I R	33 1 0	6 0 0	5 2 3	4 9 0	1 0 0	0 4 0	5 0 2	54 16 5
Nitrofurantoin	S R	34 0	6 0	10 0	13 0	0 1	3 1	6 1	72 3
TMSZ	S R	0 34	4 2	0 10	0 13	0 1	0 4	0 7	4 71