(Birdem Med J 2013; 3(1):63-66)

Microbiology

Bacteria and Antibiogram Report (January – July 2012 Report)

Table-I

Pattern of organisms isolated from different samples

Organisms	Blood	Urine	Respiratory secretions	Pus 1Wound	Total .
Escherichia coli	35	1197	47	138	1417
Klebsiella sp	23	213	86	85	407
Acinetobacters sp	16	40	186	47	289
Pseudomonas sp	30	57	95	127	309
Staph aureus	7	92	43	223	365
Gr D Enterococcus sp	2	143	3	36	184
Gr D Non Enterococcus	-	22	1	3	26
Salmonellas sp (typhoid gr)	11	-	-	1	12
Poteus sp	-	9	8	91	108
Enterobacter sp	-	7	3	16	26
Candida sp	33	181	121	6	341
Streptococcus sp	-	33	7	12	52
Serratia marcesence	-	3	-	-	3
Providencia sp	1	-	-	1	2
Citobacter sp	3	64	11	71	149
Coagulase negative staph	-	7	-	-	7
Morganella sp	-	-	-	12	12
Haemophilus sp	-	-	-	-	-
Streptococcus pneumoniae					
Flavobacterium sp	1	2	1	-	4
Corynebacterium sp.	-	1	-	2	3
Edwardsiella sp	-	-	-	-	-

Table-II

Major organisms isolated from outdoor, indoor, ICU and SCABU patients

Organisms	Outdoor N	Indoor N	ICU N	SCABU N	Total N
Ecoli	695	669	15	-	1379
Klebsiella sp	154	218	30	6	408
Acinetobacter	53	127	114	4	298
Pseudomonas	81	179	58	2	320
Staph aureus	186	188	8	2	384
Salmonella sp.	4	3	-	2	9
Gr D Enterococcus sp,	78	91	6	-	175
Gr D Non enterococcus	8	16	1	-	25
Candida sp	57	220	50	23	350
Proteus sp.	50	52	4	-	106
Streptococcus sp	37	18	-	-	55
Enterobacter sp.	12	13	-	-	25
Citrobacter sp.	70	73	3	-	146
Coag NS	2	3	-	-	5

Table-III

ABST pattern of major Gram negative organisms isolated

Antibiotics	% Resistant				
	E. coli (N=1421	Klebsiella (N=411)	Acinetobacter (N=302	Pseudomonas (N=325)	Salmonella (N=12)
Imipenem_	2.6	13.4	77.9	69	ND
Ceftriaxone	66.7	60.6	93	87.7	0
Cefitrazidime	66.7	58.2	89	67.2	ND
Cefixime	69.1	63.7	95.8	93.4	0
Augmentia	94.2	94.3	96.4	99	
Piperacillin	85.0	73.2	93.1	30.3	ND
Tazo/piperacillin	27.5	52.1	83.1	18.5	ND
Amikacin	10	23.3	78.8	57.7	ND
Netilmicin	20.7	34.6	69.1	60.3	ND
Gentamicin	33.6	34.6	82.7	70.9	ND
Ciprofloxacin	80.6	63.4	85.4	63.5	44.3
Cotrimoxazole	56.9	56.7	86.3	81.6	0
Nitrofurntoin	18.3	66.7	96	95.4	ND
Clistin	6.7	6.2	3.5	15.7	ND
Nalidixic acid	ND	ND	ND	ND	100
Azithoromycin	ND	ND	ND	ND	30
Chloramphenicol	10.0	50	80	42.7	1.5
Ampicillin	ND	ND	ND	ND	45 5

Table-IV

ABST pattern of major Gram positive organisms isolated

Antibiotics	Resistant	
	Staph aureus (N=384)	Enterococcus (N=184)
Penicillin	ND	36
Ampicillin	ND	16.1
Oxacillin	32.3	ND
Cephalexin	32.9	ND
Augmentin	73.7	ND
Amikacin	9.7	68.9
Netimicin	5.2	50.5
Gentamicin	21.5	38.3
Nitrofurantoin	3.4	4.3
Rifampicin	14.6	ND
Fusidic acid	15.5-	ND
Erythromicin	75.9	ND
Vancomycin	0	0

ND=Not done

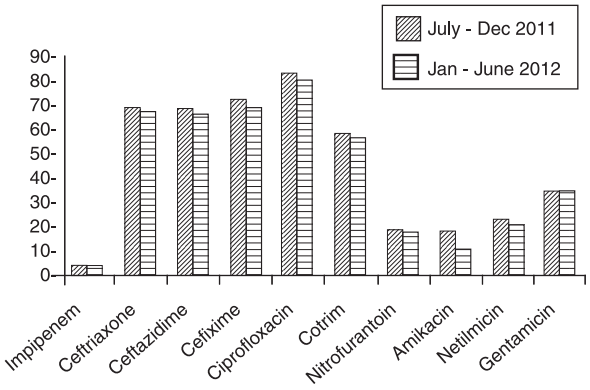

Fig. - 1 : *Comparative Antibiotic resistance pattern of E.coli : July - Dec 2011 and Jan - June 2012*

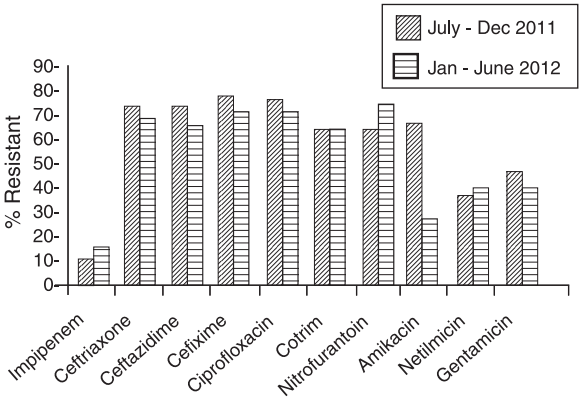

Fig. - 2: *Comparative Antibiotic resistance pattern of Klebsiella : July - Dec 2011 and Jan - June 2012*

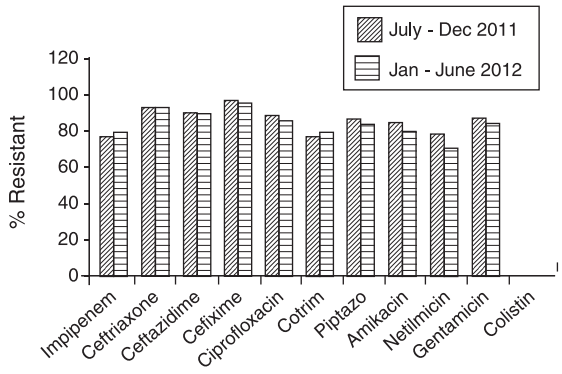

Fig. - 3 : *Comparative Antibiotic resistance pattern of Acinetobacter: July - Dec 2011 to Jan - June 2012*

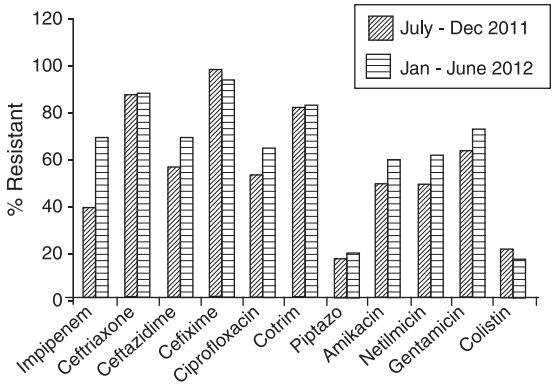

Fig. - 4 : *Comparative Antibiotic resistance pattern of pseudomonas : July - Dec 2011 to Jan - June 2012*

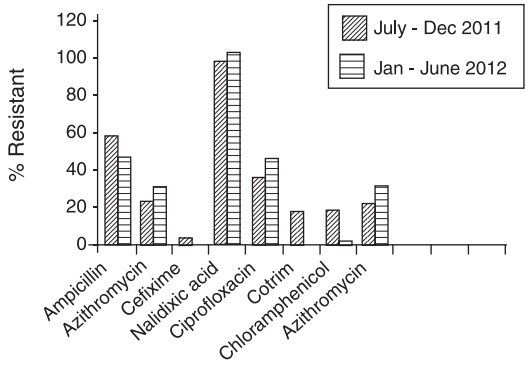

Fig. - 5 : *Comparative Antibiotic resistance pattern of Salmonella :July - Dec 2011 to Jan - June 2012*