

PERSONALITIES



Prof. AK Azad Khan, President Bangladesh Diabetic Samity (BADAS) was elected President of Diabetic Asia Study Group (DASG) for two years.

Prof. A K Azad Khan



Professor Nazmun Nahar was received gold medal for ‘Prof. SGM Chowdhury Memorial Oration’ at 25th Scientific conference of Association of Physicians of Bangladesh (APB)

Prof. Nazmun Nahar

ACHIEVEMENTS



Dr. Rashedul Islam Registrar of Neurology achieved Mansuar Kader Gold Medal in the 12th convocation of BCPS for extraordinary academic performance in FCPS (Medicine)

Dr. Rashed



Dr. Rushda Sharmine Binte Rouf, Medical Officer, Department of Endocrinology achieved Mohammad Ashab Gold Medal in the 12th Convocation of BCPS for extraordinary Academic Performance in FCPS (Medicine).

Dr. Rushda



Microbiology
Bacteria and Antibigram Report
January to June 2013 (Vol 4, No. 1, 2013)

(Birdem Med J 2014; 4(2): 122)

Table-I

Pattern of organisms isolated from different samples						
Organisms	Blood	Urine	Respiratory Secretions	Pus Wound	Total	
Escherichia coli	80	1335	26	143	1584	
Klebsiellas	20	221	76	111	428	
Acinetobacter sp	30	27	172	46	275	
Pseudomonas sp	90	58	85	165	398	
Staph aureus	07	80	37	165	289	
Gr D Enterococcus sp	2	199	-	31	232	
Gr D Non Enterococcus	1	47	-	13	61	
Salmonella s (Typhoid r)	26	-	-	-	26	
Proteus sp	-	9	7	123	139	
Enterobacter sp	2	29	8	29	68	
Candida sp	59	129	104	6	298	
Streptococcus sp	2	56	-	5	63	
Serratia marcescens	-	4	-	1	5	
Providencia sp	-	-	-	-	-	
Citrobacter sp	2	43	4	32	81	
Coagulase negative Staph	-	1	-	-	1	
Morganella sp	-	-	-	1	1	
Haemophilus sp	-	-	-	-	-	
Streptococcus pneumoniae	5	-	-	-	5	
Flavobacterium sp	-	-	-	-	-	
Coenobacterium sp.	-	-	-	2	-	
Edwardsiella sp.	-	-	-	-	-	

Table-II

Major organisms isolated from outdoor, indoor, ICU and SCABU patients					
Organisms	Outdoor N=1400	Indoor N=1875	ICUN=366	ICHRIN=125	Total N=3766
E. coli	645	655	34	15	1349
Klebsiella	164	183	44	18	409
Acinetobacter	20	115	137	28	300
Pseudomonas	102	207	79	19	407
Staph aureus	141	168	9	9	327
Salmonella sp.	17	9	-	-	26
Gr D Enterococcus sp.	75	118	5	1	199
Gr D Non enterococcus	22	35	2	-	59
Candida sp.	20	232	39	29	320
Proteus sp.	76	51	10	3	140
Streptococcus sp.	34	31	-	-	65
Enterobacter sp.	50	18	1	-	69
Citrobacter sp.	25	41	3	1	70
Coagulase NS	2	1	-	-	3
Serratia	4	5	-	-	9

Table-III*ABST pattern of major Gram negative organisms isolated*

Antibiotics	% Resistant				
	E. coli (N=1589)	Klebsiella (N=433)	Acinetobacter (N=298)	Pseudomonas N=415	Salmonella N=26
Imi enem	2.3	20.3	86.9	70.9	ND
Ceftriaxone	69.0	60.4	96.6	87.9	0
Ceftazidime	68.7	60.3	93.3	61.5	ND
Cefixime	70.5	62.4	96.3	93.8	0
Au mentin	87.1	74.6	96.7	94.8	ND
Pi eracillin	-	-	-	27.3	ND
Tazo/ 'eracillin	12.8	43.6	86.9	25.7	ND
Amikacin	8.5	32.9	88.2	65.5	ND
Netilmicin	16.5	38.2	72.5	70.1	ND
Gentamicin	26.2	44.1	89.6	75.1	ND
Ci rofloxacin	74.2	59.4	90.3	54.6	22.3
Cotrimoxazole	56.9	51.7	79.8	70.9	26.15
Nitrofurantoin	12.3	49.8	95.8	-	ND
Colistin	5.3	10.2	3.4	20.6	ND
Nalidixic acid	ND	ND	ND	ND	94.45
Azithrom cin	ND	ND	ND	ND	67.7
Chloram henicol	5.7	42.1	82.1	67.1	21.2
Am icillin	ND	ND	ND	ND	26.7

Table-IV*ABST pattern of major Gram positive organisms isolated*

Antibiotics	Resistant	
	Staph aureus N=340	Enterococcus (N=159)
Penicillin	ND	40.1
Am icillin	ND	13.7
Oxacillin	32.4	ND
Ce halexin	38.9	ND
Au mentin	50.4	ND
Amikacin	8.6	77.7
Netimicin	5.9	48.7
Gentamicin	25.2	37.1
Nitrofurantoin	1.3	5.0
Rifam icin	4.4	ND
Fusidic acid	6.6	ND
E thromicin	76.5	ND
Vancom cin	0	0
Cotrimoxazole	31.4	93.6

ND=Not done

Table-V*ABST pattern of major Gram negative organisms of ICU*

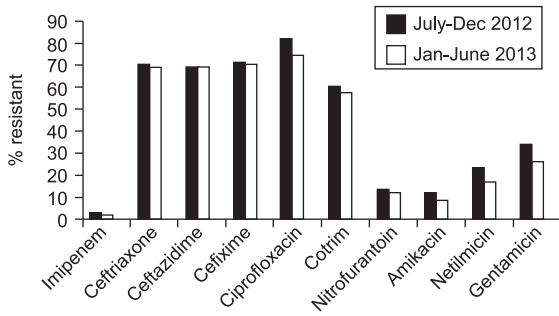
Antibiotics	% Resistant			
	Ecoli (N=34)	Klebsiella (N=44)	Acinetobacter N=137)	Pseudomonas (N=79)
Imi enim	14.7	65.9	98.5	88.6
Ceftriaxone	85.3	97.7	100	97.5
Ceftazidime	84.8	97.7	100	84.6
Au mentin	85.7	95.0	100	100
Piperacillin	-	-	-	-
Tazo/piperacillin	19.0	84.6	95.0	24.3
Amikacin	17.6	85.7	98.5	84.8
Netilmicin	23.5	84.1	83.9	92.4
Gentamicin	27.3	86.4	98.5	94.9
Ci rofloxacin	88.2	97.7	99.3	64.6
Cotrimoxazole	61.8	95.3	83.2	64.1
Colistin	4.3	0	2.3	42.6

Table-V*Multidrug resistant organisms isolated from various samples*

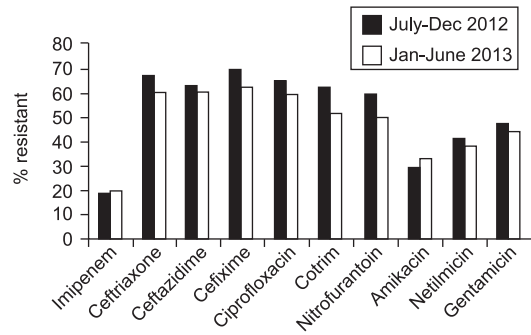
Organisms	Total isolated	Category of resistant organisms	N	%
Staph aureus	340	MRSA	110	32.4
Salmonella sp.	26	NARST	25	96.2
Ecoli	1584	ESBL	409	25.8
Klebsiella s .	428	ESBL	96	22.4
Enterobacter s p.	68	ESBL	5	7.3
Citobacter s	81	ESBL	20	24.7
Enterococcus s p.	232	VRE	0	0

ABST= Antibiotic sensitivity test; NARST=Nalidixic acid resistant S. typhi & S paratyphi; ESBL=Extended spectrum beta lactamase; VRE=Vancomycin Resistant enterococcus; ND = Not done

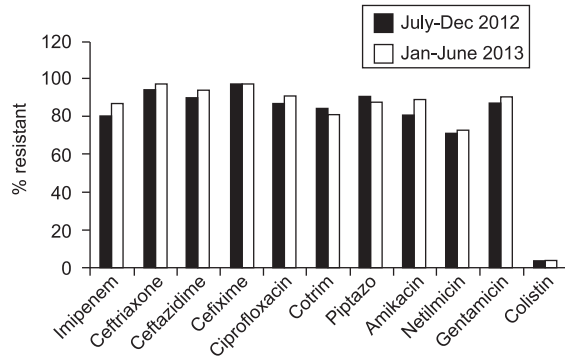
Comparative antibiotic resistance pattern of *E.coli*:
July - Dec 2012 and Jan - June 2013



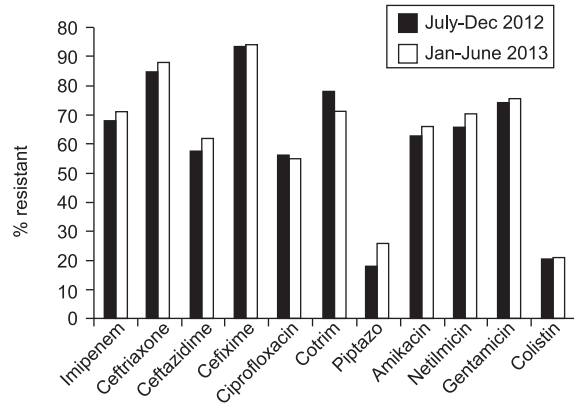
Comparative antibiotic resistance pattern of *Klebsiella*:
July - Dec 2012 and Jan - June 2013



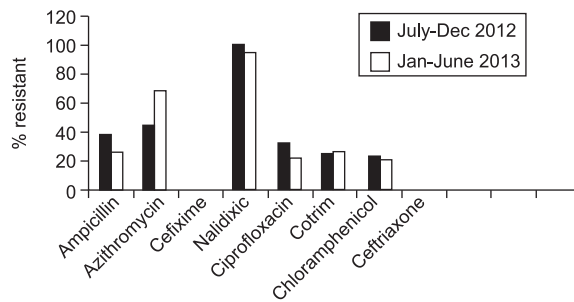
Comparative antibiotic resistance pattern of *Acinetobacter*:
July - Dec 2012 and Jan - June 2013



Comparative antibiotic resistance pattern of *Pseudomonas*:
July - Dec 2012 and Jan - June 2013



Comparative antibiotic resistance pattern of *Salmonella*:
July - Dec 2012 and Jan - June 2013



Note: All isolated *Salmonella* were sensitive to Ceftriaxone

Academic Achievements

The following doctors have completed post graduation in January 2014.

Name	Designation	Department	Academic Achievement
Dr. Rajibul Haque Talukder	SMO	Surgery	FCPS
Dr. Shahriar Ahmed	SMO	Urology	FCPS