



POST GRADUATE DEPARTMENT OF MICROBIOLOGY
GOVERNMENT MEDICAL COLLEGE SRINAGAR

10-Karangar Srinagar Kashmir, 190010.

The Principal/Dean,
Government Medical College,
Srinagar.

No.HOD/Micro/2020/1609-15

Dated: 25/11/2021

Madam,

Kindly find enclosed Antibiogram for the year July 2020 to 2021
for your information & necessary action


Head of the Department

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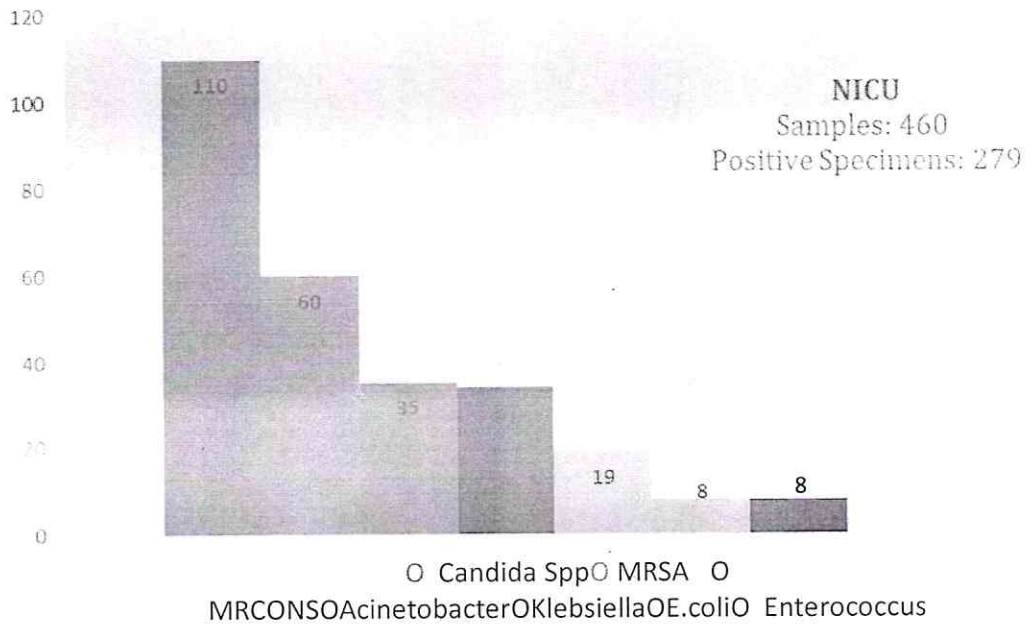
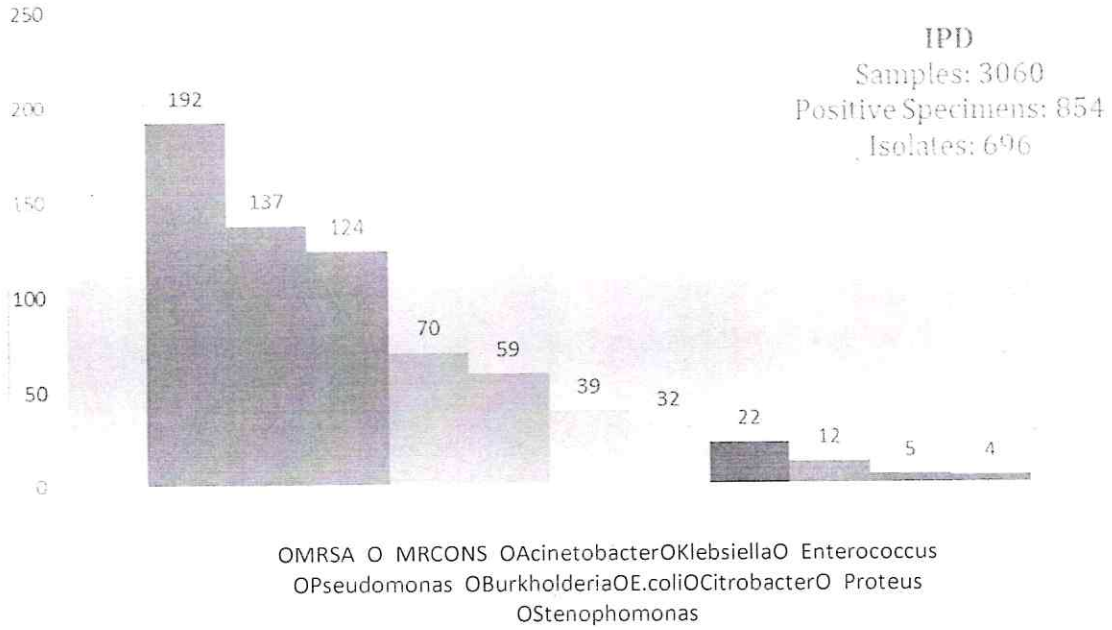
- 01.All Head of Departments, Govt.Medical College & Its associated hospitals Srinagar
- 02.In charge IT Section Govt.Medical College Srinagar for information..

ANTIBIOGRAM OF BLOOD (JULY 2020 to JULY 2021)

W		
Total Samples	3520	100%
Positive Specimens	924	26%
Negative Specimens	2596	73%
NICU		
Total NICU Samples	460	100%
Positive Specimens	274	59%
Negative Specimens	186	40%
Candida spp.	110	40%
MRSA	60	22%
MSSA	58	21%
MRCONS	35	13%
MS CONS	30	10%
Acinetobacter	34	12%
Klebsiella	19	7%
Enterococcus	8	3%
E.coli	8	3%
IPD and ICU		
Total Samples	3060	100%
Positive Specimens	854	28%
Negative Specimens	2206	72%
MRSA	192	23%
MSSA	194	22%
MRCONS	137	16%
MS CONS	98	11.4%
Acinetobacter	124	15%
Klebsiella	70	9%
Enterococcus	59	7%
Pseudomonas	39	5%
Burkholderia	32	4%
E.coli	22	3%
Citrobacter	12	2%
Proteus	5	1%

BLOOD

JULY 2020-2021



Percentage Sensitivity

GNB	No. of Isolates	Cefuroxime	Ceftriaxone	Ceftazidime	Cefepime	Ampicillin + Sulbactam	Piperacillin + Tazobactam	Cefoperazone + Sulbactam	Quinolones	Gentamicin	Amikacin	Imipenem	Colistin
<i>E.coli</i>	30	15	21	-	27	-	38	53	6	30	40	72	99
<i>Klebsiella</i>	89	14	16	-	23	-	31	34	17	32	42	52	92
<i>Pseudomonas</i>	39	-	-	61	62	-	58	55	66	70	41	75	100
<i>Acinetobacter</i>	158	-	2	-	5	28	-	17	12	52	-	66	98
<i>Burkholderia</i>	37	-	-	-	-	-	88	-	60	-	-	70	-

Percentage Sensitivity

Candida spp. 110 (39.4%)		
C. albicans 32 (29%) C. non-albicans 78 (71%)	Amphotericin B	95
	Micafungin	86
	Voriconazole	76
	Caspofungin	65
	Flucytosine	33

Note: High resistance to Flucytosine was observed as a large number of *non - candida albicans* were *Candida krusei* that are , known to have high resistance to flucytosine .

Candida krusei and *Candida glabrata* are intrinsically resistant to Fluconazole .

Percentage Sensitivity

GNB	No. of Isolates	Cefuroxime	Ceftriaxone	Ceftazidime	Cefepime	Ampicillin + Sulbactam	Piperacillin + Tazobactam	Cefoperazone + Sulbactam	Quinolones	Gentamicin	Amikacin	Imipenem	Colistin
<i>E.coli</i>	30	15	21	-	27	-	38	53	6	30	40	72	99
<i>Klebsiella</i>	89	14	16	-	23	-	31	34	17	32	42	52	92
<i>Pseudomonas</i>	39	-	-	61	62	-	58	55	66	70	41	75	100
<i>Acinetobacter</i>	158	-	2	-	5	28	-	17	12	52	-	66	98
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ANTIBIOGRAM OF PUS AND BODY FLUIDS

JULY 2020 TO JUNE 2021

Total number of samples: - 4266

Total number of isolates: - 3068

Total number of Gam Negative Bacilli: - 1945

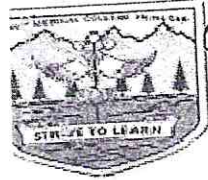
Total number of gram positive Cocci: - 1123

Organism wise Sensitivity Pattern

<i>Pseudomonas aeruginosa</i>	<i>Acinetobacter species</i>	<i>Proteus species</i>	<i>Enterobacter species</i>
447 (23%)	311 (16%)	116 (6%)	38 (2%)
Colistin 97%	Colistin 96%	Meropenem 96%	Colistin 98%
Meropenem 68%	Tigecycline 79%	Imipenem 94%	Tigecycline 98%
Imipenem 65%	Piperacillin/ tazobactam 33%	Ciprofloxacin 38%	Imipenem 70%
Piperacillin 56%	Levofloxacin 28%	Piperacillin 33%	Amikacin 66%
Ceftazidime/ tazobactam 49%	Ampicillin/ sulbactam 26%	Ticarcillin 33%	Piperacillin/tazobactam 66%
Tobramycin 45%	Ciprofloxacin 26%	Levofloxacin 28%	Ciprofloxacin 66%
Gentamycin 33%	Imipenem 23%	Gentamycin 27%	Gentamycin 50%
Levofloxacin 30%	Meropenem 23%	Amikacin 27%	Meropenem 40%
Ciprofloxacin 29%	Gentamycin 21%	Cotrimoxazole 1.07%	Ceftazidine/tazobactam 33%
Amikacin 27%	Amikacin 18%	-	-
Ticarcillin 24%	Tobramycin 16%	-	-
-	Ceftriaxone 13%	-	-
-	Cotrimoxazole 13%	-	-
-	Ceftazidine/ tazobactam 12%	-	-

Organism wise Sensitivity Pattern

<i>Methicillin Resistant Staphylococcus aureus (MRSA)</i>	<i>Methicillin Sensitive Staphylococcus aureus (MSSA)</i>	<i>Enterococcus species</i>	<i>Escherichia coli</i>	<i>Klebsiella Pneumonia</i>
449 (40%)	663 (59%)	11 (1%)	525 (27%)	505 (26%)
Linezolid 100%	Vancomycin 100%	Linezolid 100%	Tigecycline 98%	Colistin 100%
Vancomycin 100%	Linezolid 100%	Vancomycin 93%	Colistin 98%	Tigecycline 86%
Gentamycin 92%	Gentamycin 100%	Gentamycin 52%	Amikacin 73%	Cefoperazone/sulbactam 50%
Clindamycin 63%	Erythromycin 70%	Ciprofloxacin 50%	Gentamycin 69%	Meropenem 48%
Ciprofloxacin 47%	Amikacin 68%	Levofloxacin 49%	Tobramycin 57%	Imipenem 47%
Levofloxacin 43%	Clindamycin 61%	Ampicillin 48%	Cefotaxime 49%	Ceftazidime/tazobactam 45%
Cotrimoxazole 32%	Ciprofloxacin 61%	Penicillin 47%	Imipenem 48%	Ceftriaxone 44%
Amikacin 27%	Levofloxacin 59%	-	Ceftazidime/tazobactam 48%	Cefotaxime 41%
Erythromycin 20%	Cotrimoxazole 30%	-	Meropenem 46%	Tobramycin 30%
-	-	-	Ceftriaxone 45%	Ciprofloxacin 26%
-	-	-	Cotrimoxazole 43%	Cotrimoxazole 23%
-	-	-	Cefoperazone/sulbactam 37%	Levofloxacin 20%
-	-	-	Ciprofloxacin 33%	Gentamycin 18%
-	-	-	Cefepime 30%	Amikacin 14%
-	-	-	Ampicilline 23%	Piperacillin 10%
-	-	-	Piperacillin 16%	Ampicillin/sulbactam 7%
-	-	-	Ampicillin/sulbactam 13%	-

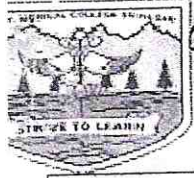


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ANTIBIOGRAM OF URINE
 (July 2020—July 2021)

Organism wise Sensitivity pattern

Organisms	Percentage Isolation	Antibiotic	Sensitivity
Escherichia Coli	70%	Nitrofurantoin	= 86%
		Fosfomycin	= 85%
		Meropenem	= 85%
		Amikacin	=81%
		Piperacillin+ tazobactam	=78%
		Ampicillin+ Salbactam	=77%
		Cotrimoxazole	= 70%
		Ceftriaxone	= 45%
Klebsiella Pneumonia	12%	Amikacin	=90%
		Meropenem	= 71%
		Nitrofurantoin	=58%
		Fosfomycin	=53%
		Ceftriaxone	= 45%
		Ampicillin + Salbactam	= 30%
Enterococcus Spp.	8%	Linezolid	= 100%
		Vancomycin	= 96%
		Nitrofurantoin	= 79%
		Fosfomycin	= 70%
		Ampicillin	= 45%
		Penicillin	= 19%
		Ciprofloxacin	= 5%



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Pseudomonas aeruginosa	6%	Ceftazidime = 93% Piperacillin+ Tazobactum = 82% Amikacin = 66% Tobramycin = 60% Meropenem = 49% Levofloxacin = 44%	
Staphylococcus aureus	2%	Methicillin Resistant Staphylococcus aureus(MRSA)=30%	Methicillin Sensitive Staphylococcus aureus (MSSA)=70%
		Nitrofurantoin 100% Vancomycin 100% Linezolid 100% Gentamicin 87% Cotrimoxazole 79% Levofloxacin 41%	Vancomycin 100% Linezolid 100% Nitrofurantoin 90% Gentamicin 70% Cotrimoxazole 60% Levofloxacin 40%
Acinetobacter Spp	1%	Ceftazidime 88% Amikacin 78% Piperacillin+ Tazobactum 66% Gentamicin 56% Ciprofloxacin 43%	
Proteus Spp	1%	Piperacillin Tazobactum 100% Amikacin 75% Meropenem 75% Gentamicin 50% Cotrimoxazole 25% Ciprofloxacin 25%	