

- 1st Immunohistochemistry Lab in Kolhapur District
- Frozen section for intraoperative diagnosis, Histopathology (Leica microtome)
- Ace Alera, US FDA Approved, Fully Automated Biochemistry Analyser
- Cell counter MEK 6420P from NIHON KOHDEN, Japan
- Hormone assay

- Biochemistry Analysers CHEM 7 from ERBA MANHIM, Germany
- Electrolyte Analyser
- Microbiology
- Internal and external quality control participation
- Stone analysis

C.S.No. 311, E-Ward, Near Hotel Maratha Regency, New Shahupuri, Kolhapur. Tel. (0231) 2667707, 2657707



Name :

Ref. By :

Lab ID : 43

Age : 70 Yrs. Sex : F

Printed : 11/02/2022 10:50

Sample Collection : 07/02/2022 17:31

Sample Received : 07/02/2022 17:31

Report Released : 09/02/2022 13:22

CULTURE AND SENSITIVITY REPORT

Specimen :- Urine

Direct Smear :- Gram negative bacilli

Media Used :- Blood agar, MacConkey's agar,

Organisms Observed :- Klebsiella pneumoniae

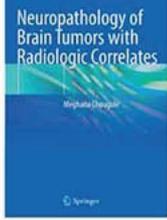
Colony Count:- More than 10^5 /ml (Significant growth)

Sr.	Antibiotic	Inhibition Zone(mm)	Int. Zone(mm)	Sensitivity
<u>Aminoglycosides</u>				
1	Gentamicin	17	[13 - 14]	<i>Sensitive</i>
2	Amikacin	18	[15 - 16]	<i>Sensitive</i>
<u>Beta-Lactam Combination Agents</u>				
3	Amoxy / Clavulanic acid	19	[14 - 17]	<i>Sensitive</i>
4	Ampicillin / Sulbactam	16	[12 - 14]	<i>Sensitive</i>
5	Cefpoparazone / Sulbactam	21	[16 - 20]	<i>Sensitive</i>
6	Piperacilin / Tazobactam	18	[15 - 20]	<i>Intermediate</i>
7	Ticarcilin/clavulnic acid	19	[16 - 23]	<i>Intermediate</i>
<u>Carbapenems</u>				
8	Meropenem	26	[20 - 22]	<i>Sensitive</i>
9	Imipenem	23	[20 - 22]	<i>Sensitive</i>
<u>Cephalosporins 2nd gen</u>				
10	Cefuroxime	14	[15 - 17]	Resistant
<u>Cephalosporins 3rd gen</u>				
11	Cefotaxime	27	[23 - 25]	<i>Sensitive</i>
12	Cefixime	19	[16 - 18]	<i>Sensitive</i>
13	Ceftriaxone	21	[20 - 22]	<i>Intermediate</i>
14	Ceftazidime	18	[18 - 20]	<i>Intermediate</i>
<u>Cephalosporins 4th gen</u>				

Checked By



Dr. S.S.Lokapure
M.D (Micro)



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Sr.	Antibiotic	Inhibition Zone(mm)	Int. Zone(mm)	Sensitivity
15	Cefepime	21	[19 - 24]	Intermediate
	<u>Dihydrofolate Reductase Sulfonamide Combination</u>			
16	Cotrimoxazole	19	[11 - 15]	Sensitive
	<u>Fluoroquinolones</u>			
17	Ofloxacin	20	[13 - 15]	Sensitive
18	Ciprofloxacin	23	[22 - 25]	Intermediate
19	Moxifloxacin	19	[21 - 23]	Resistant
	<u>Fosfomycins</u>			
20	Fosfomicin	20	[13 - 15]	Sensitive
	<u>Nitrofurans</u>			
21	Nitrofurantoin	17	[15 - 16]	Sensitive
	<u>Polymixins</u>			
22	Colistin	12	[11 -]	Sensitive
23	Polymixin B	12	[11 -]	Sensitive
	<u>Tetracyclines</u>			
24	Doxycycline	14	[11 - 13]	Sensitive

Note:

- Int. Zone - Intermediate sensitive zone, S - Sensitive, R - Resistant, I - Intermediate Sensitive
- Standards Used: CLSI, EUCAST

Important guidelines :

- Collect the sample in sterile container. Send the sample as early as possible to laboratory.
- For accurate result collect midstream urine (MSU) for urine culture.
- Consider the system involved, age of the patient and severity of infection, while choosing the antibiotic from the list of sensitive antibiotics.
- Consider inherent resistance by the bacteria while choosing the sensitive antibiotic. i.e. Gram +ve & Gram -ve.
- Administer the antibiotics in optimum doses.
- ESBL producing strains are resistant to cephalosporin and penicillin group of antibiotics. Add a B- lactamase inhibitor combination or higher antibiotic in such case.
- For Salmonella and Shigella, the aminoglycosides, first and second generation cephalosporins and cephamycins may appear sensitive in vitro but are not effective clinically.

----- End Of Report -----

Checked By



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