



## The Kidney Centre Post Graduate Training Institute

Antibiotic susceptibility report January 2024-December 2024

### Department of Pathology (Microbiology)

#### In patients(%susceptible) GRAM NEGATIVE BACTERIA (Source: Blood)

Organisms	No.	AMC	CXM	CFM	CRO	ERT	IPM	MEM	TZP	SCF	AK	CN	TOB	CIP	SXT			
<i>E.coli</i>	93	28	1	12	16	79	82	82	46	31	13	37	35	9	26			
<i>Klebsiella spp.</i>	83	9	2	7	13	30	36	47	17	15	41	36	17	8	43			
<i>Enterobacter spp.</i>	35	..	3	29	43	66	66	74	58	35	46	51	46	21	63			
Organisms	No.	CAZ	MEM	IMP	TZP	MH	AK	CN	TOB	CIP	SXT	LEV	FEP	CRO	CXM			
<i>Stenotrophomonas maltophilia</i>	122	NT	..	..	..	100	..	..	..	..	100	93	..	..	..			
<i>Pseudomonas aeruginosa</i>	45	77	83	87	87	..	..	..	76	76	..	76	77	..	..			
<i>Acinetobacter spp.</i>	24	52	63	64	67	100	68	61	65	54	78	65	59	..	..			
<i>Aeromonas spp.</i>	14	100	94	59	94	..	100	94	..	94	100	100	100	100	89			

There is no "susceptible" category for colistin according to the current guidelines. Isolates are either intermediate or resistant. Percent resistance rates for colistin and number of isolates tested for colistin are: *E.coli* : 0%(15), *Klebsiella spp.*:13%(53), *Enterobacter spp.*: 9%(11), *Pseudomonas aeruginosa* 0%(7), *Acinetobacter spp.*:0%(7).

Note: Less than 30 isolates in any category may show less statistical significance.

#### Out patients(%susceptible GRAM NEGATIVE BACTERIA)(Source: Blood)

Organisms	No.	AMC	CXM	CFM	CRO	ERT	IPM	MEM	TZP	SCF	AK	CN	TOB	CIP	SXT			
<i>E.coli</i>	41	10	0	3	3	46	46	51	15	12	7	28	11	0	10			
<i>Klebsiella spp.</i>	102	8	0	0	0	15	13	13	7	6	14	22	9	4	9			
<i>Enterobacter spp.</i>	39	..	3	5	5	23	20	23	11	10	54	42	22	10	13			
Organisms	No.	CAZ	MEM	IMP	TZP	MH	AK	CN	TOB	CIP	SXT	LEV	FEP					
<i>Pseudomonas aeruginosa</i>	18	61	56	56	65	..	..	..	62	56	..	53	65					
<i>Acinetobacter spp.</i>	51	15	27	25	27	100	34	36	49	33	35	35	14					

There is no "susceptible" category for colistin according to the current guidelines. Isolates are either intermediate or resistant. Percent resistance rates for colistin and number of isolates tested for colistin are: *E.coli* : 11%(18), *Klebsiella spp.*:4%(72), *Enterobacter spp.*: 13%(24), *Pseudomonas aeruginosa* 0%(6), *Acinetobacter spp.*:0%(31).

Note: Less than 30 isolates in any category may show less statistical significance.

#### All patients(%susceptible) GRAM NEGATIVE BACTERIA)(Source: Blood)

Organisms	No.	AMC	CXM	CFM	CRO	ERT	IPM	MEM	TZP	SCF	AK	CN	TOB	CIP	SXT	LEV			
<i>Serratia spp.</i>	7	..	..	57	57	71	71	71	71	57	71	71	..	43	71	71			
Organisms	No.	AMP	CFM	CRO	AZM	ERT	MEM	IPM	CIP	SXT	C								
<i>Salmonella enterica ser.Typhi</i>	23	35	..	39	100	100	100	100	0	48	27								
<i>Salmonella enterica ser.Para Typhi A</i>	7	100		100	..	..	..	..	0	100	100								

#### In patients(%susceptible) GRAM POSITIVE BACTERIA)(Source: Blood)

Organisms	No.	FOX	AMP	CN	CIP	DA	E	VAN	FD	SXT	LZD	TE	C	TEC				
<i>Staphylococcus aureus</i>	139	28	..	67	16	57	34	100	75	91	..	59	..	..				

<i>Staphylococcus</i> spp.	240	12	..	54	28	54	12	100	25	43	..	55	..	..				
<i>Enterococcus</i> spp.	25	..	28	..	..	..	..	44	..	..	62	..	95	0				
<b>Organisms</b>	<b>No.</b>	<b>P</b>	<b>AMP</b>	<b>CXM</b>	<b>CRO</b>	<b>DA</b>	<b>E</b>	<b>VAN</b>	<b>LEV</b>	<b>SXT</b>	<b>TE</b>	<b>C</b>						
<i>Streptococcus pneumoniae</i>	9	67	86	100	100	63	50	100	100	17	33	75						
Susceptibility data includes non-meningitis isolates.																		
<i>Streptococcus</i> spp.	13	..	80	..	85	27	9	100	33	..	25	80						
<i>Beta hemolytic Streptococci</i>	6	100	..	..	100	33	33	100	100	..	17	100						
<b>Out patients(%susceptible GRAM POSITIVE BACTERIA)(Source: Blood)</b>																		
<b>Organisms</b>	<b>No.</b>	<b>FOX</b>	<b>AMP</b>	<b>CN</b>	<b>CIP</b>	<b>DA</b>	<b>E</b>	<b>VAN</b>	<b>FD</b>	<b>SXT</b>	<b>LZD</b>	<b>TE</b>	<b>C</b>	<b>TEC</b>				
<i>Staphylococcus aureus</i>	20	25	..	75	25	80	35	100	65	90	..	64	..	..				
<i>Staphylococcus</i> spp.	200	9	..	51	23	41	6	..	16	22	..	46	..	..				
<i>Enterococcus</i> spp.	20	..	20	..	..	..	..	30	..	..	77	..	67					
<b>All patients(%susceptible) Candida spp.(Source: Blood)</b>																		
		<b>FLU</b>	<b>VOR</b>															
<i>Candida</i> spp.( <i>C.albicans</i> , <i>C.tropicalis</i> , <i>C.parapsilosis</i> )	15	100	100															
<b>In patients(%susceptible GRAM NEGATIVE BACTERIA) (Source: Urine)</b>																		
<b>Organisms</b>	<b>No.</b>	<b>AMC</b>	<b>CXM</b>	<b>CFM</b>	<b>CRO</b>	<b>ERT</b>	<b>IPM</b>	<b>MEM</b>	<b>TZP</b>	<b>SCF</b>	<b>AK</b>	<b>CN</b>	<b>CIP</b>	<b>SXT</b>	<b>F</b>	<b>FOT</b>		
<i>E.coli</i>	535	37	6	16	22	78	80	80	49	31	42	51	14	32	87	94		
<i>Klebsiella</i> spp.	170	29	15	23	29	57	59	60	41	35	43	43	22	30	37	78		
<i>Enterobacter</i> spp.	12	..	0	8	25	58	58	67	33	33	42	25	17	33	0	100		
<i>Proteus mirabilis</i>	26	73	35	36	54	100	..	100	95	95	62	50	50	46	..	85		
<i>Serratia</i> spp.	26	..	..	24	27	38	46	46	35	35	46	46	38	62	..	96		
<b>Organisms</b>	<b>No.</b>	<b>CAZ</b>	<b>MEM</b>	<b>IMP</b>	<b>TZP</b>	<b>MH</b>	<b>AK</b>	<b>CN</b>	<b>TOB</b>	<b>CIP</b>	<b>SXT</b>	<b>LEV</b>	<b>FEP</b>					
<i>Pseudomonas aeruginosa</i>	144	52	50	50	56	..	63	..	53	34	..	33	53					
<i>Acinetobacter</i> spp.	24	55	59	64	70	95	61	67	67	65	52	62	62					
There is no "susceptible" category for colistin according to the current guidelines. Isolates are either intermediate or resistant. Percent resistance rates for colistin and number of isolates tested for colistin are: <i>E.coli</i> : 2%(81), <i>Klebsiella</i> spp.:24%(66), <i>Enterobacter</i> spp.: 0%(2), <i>Pseudomonas aeruginosa</i> 0%(68), <i>Acinetobacter</i> spp.:0%(9). Note: Less than 30 isolates in any category may show less statistical significance.																		
<b>Out patients(%susceptible GRAM NEGATIVE BACTERIA)(Source: Urine)</b>																		
<b>Organisms</b>	<b>No.</b>	<b>AMC</b>	<b>CXM</b>	<b>CFM</b>	<b>CRO</b>	<b>ERT</b>	<b>IPM</b>	<b>MEM</b>	<b>TZP</b>	<b>SCF</b>	<b>AK</b>	<b>CN</b>	<b>CIP</b>	<b>SXT</b>	<b>F</b>	<b>FOT</b>		
<i>E.coli</i>	1306	42	9	18	24	85	86	86	57	38	49	51	14	33	87	93		
<i>Klebsiella</i> spp.	396	41	20	33	42	69	71	70	55	48	52	52	29	44	38	85		
<i>Enterobacter</i> spp.	42	..	5	33	40	80	90	93	78	62	71	69	48	64	32	95		
<i>Proteus mirabilis</i>	39	77	38	44	63	100	..	100	100	87	64	59	49	27	..	82		
<i>Serratia</i> spp.	39	..	..	16	26	49	55	59	37	33	49	41	36	54	..	92		
<b>Organisms</b>	<b>No.</b>	<b>CAZ</b>	<b>MEM</b>	<b>IMP</b>	<b>TZP</b>	<b>MH</b>	<b>AK</b>	<b>CN</b>	<b>TOB</b>	<b>CIP</b>	<b>SXT</b>	<b>LEV</b>	<b>FEP</b>					



There is no "susceptible" category for colistin according to the current guidelines. Isolates are either intermediate or resistant. Percent resistance rates for colistin and number of isolates tested for colistin are: *E.coli*: 0%(17), *Pseudomonas aeruginosa* 0%(24). Note: Less than 30 isolates in any category may show less statistical significance.

**All patients(%susceptibleGRAM NEGATIVE BACTERIA) (Source: Other samples)**

Organisms	No.	AMC	CXM	CFM	CRO	ERT	IPM	MEM	TZP	SCF	AK	CN	TOB	CIP	SXT			
<i>Klebsiella spp.</i>	39	15	8	10	21	51	54	55	30	26	37	49	21	18	26			
<i>Proteus mirabilis</i>	19	63	21	21	42	94	..	95	95	79	58	26	17	16	11			
Organisms	No.	CAZ	MEM	IMP	TZP	FEP	AK	CN	TOB	CIP	SXT	LEV	MH					
<i>Acinetobacter spp.</i>	38	5	8	5	5	3	11	21	45	5	18	5	92					

There is no "susceptible" category for colistin according to the current guidelines. Isolates are either intermediate or resistant. Percent resistance rates for colistin and number of isolates tested for colistin are: *Klebsiella spp.*:13%(16),*Acinetobacter spp.*:3%(31). Note: Less than 30 isolates in any category may show less statistical significance.

**In patients(%susceptible GRAM POSITIVE BACTERIA) (Source: Other samples)**

Organisms	No.	FOX	AMP	CN	CIP	DA	E	VAN	FD	SXT	LZD	TE				
<i>Staphylococcus aureus</i>	25	28	..	72	16	60	40	100	76	92	..	53				
<i>Enterococcus spp.</i>	8	..	50	..	..	..	0	57	..	..	100	..				

**Out patients(%susceptible GRAM POSITIVE BACTERIA) (Source: Other samples)**

Organisms	No.	FOX	AMP	CN	CIP	DA	E	VAN	FD	SXT	LZD	TE				
<i>Staphylococcus aureus</i>	128	13	..	65	19	59	28	100	53	80	..	63				
<i>Enterococcus spp.</i>	20	..	45	..	..	..	5	89	..	..	..	..				

**All patients(%susceptible GRAM POSITIVE BACTERIA) (Source: Other samples)**

Organisms	No.	P	AMP	CRO	DA	E	VAN	LEV	TE	C						
<i>Beta hemolytic Streptococci</i>	13	100	..	100	23	0	100	77	27	..						
<i>Streptococcus spp.</i>	30	..	88	100	48	38	100	59	25	100						

**Abbreviations**

AK	Amikacin
AMC	Amoxicillin-clavulanate
AMP	Ampicillin
AZM	Azithromycin
C	Chloramphenicol
CAZ	Ceftazidime
CFM	Cefixime
CIP	Ciprofloxacin
CN	Gentamicin
CRO	Ceftriaxone
CXM	Cefuroxime (oral)
DA	Clindamycin
DO	Doxycycline
E	Erthromycin
ERT	Ertapenem
F	Nitrofurantoin
FD	Fusidic Acid
FOT	Fosfomycin
FOX	Cefoxitin(Methicillin)
IPM	Imipenem
LEV	Levofloxacin
LZD	Linezolid
MEM	Meropenem

<b>NA</b>	Nalidixic acid
<b>SCF</b>	Cefoperazone-sulbactam
<b>SXT</b>	Trimethoprim-sulfamethoxazole
<b>TEC</b>	Teicoplanin
<b>TOB</b>	Tobramycin
<b>TZP</b>	Piperacillin-tazobactam
<b>VA</b>	Vancomycin
<b>NT</b>	Not tested
<b>Note: Less than 30 isolates in any category may show less statistical significance.</b>	