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**Antibiotic susceptibility pattern of various isolates from blood culture submitted at Armed Forces Institute of Pathology, Rawalpindi, Pakistan**

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One of the most important causes of serious mortality and morbidity is the blood stream infection. Total blood sample size 135, male (64.92%) and (female 35.07%). Different genera as *Enterobacter*, *Staphylococcus*, *Salmonella*, *Pseudomonas*, *acinetobacter* were isolated. For coagulase-negative *staphylococci*, amikacin (AMI) (70%) was showed highest activity and penicillin (PEN) and ampicillin (AMP) least activity against coagulase-negative staphylococci and linezolid (LNZ) (68.75%) showed highest activity and tazobactam-piperacillin was showed least activity against *Staphylococcus aureus* (Coagulase-positive Staph). Ceftriaxone (CRO) was showed highest activity and penicillin (PEN) and nalidexic-acid (NAL) were showed least activity against *Salmonella* genus. Amikacin (AMI) (85%) was showed highest activity and penicillin (PEN), ampicillin (AMP), ceftriaxone (CEFT), ceftriaxone (CRO), ceftizoxime (ZOX) were showed least activity against *Pseudomonas* genera. Imipenem (IMP) and meropenem (MEM) (69.23%) were showed highest activity and penicillin (PEN), ampicillin (AMP), ciprofloxacin (CIP), cephalixin (CL) were showed least activity against *E. coli*. while imipenem (IMP) (67%) was highest activity and ampicillin (AMP), penicillin (PEN), amoxicillin (AMO), erythromycin (ERY), clarithromycin (CLR), cloxacillin (CLO) were showed least activity against *Klebsiella pneumoniae* and *Klebsiella pneumoniae* extended spectrum  $\beta$ -lactamases.

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