

Article

Antimicrobial resistance of Klebsiella pneumoniae strains from patients with urinary tract infections in SBMPMC hospital Bijapur, India

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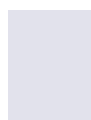
Abstract

The resistance profile of the Klebsiella pneumoniae were left undone despite the increasing prevalence rate of this organism in urinary tract infections (UTI) and its role in antibiotic resistance. The current study was undertaken to know the antibiotic sensitivity profile of Klebsiella pneumoniae, isolated from patients suffering from UTI in our medical college. The study was carried out over a period of 3 years from January 2010 to December 2012. Urine specimens from both outpatients and inpatients of our hospital were processed. Females were more frequently affected than males. (P>0.05) The most active antimicrobial agent against K. pneumoniae were piperacillin-tazobactam (72% sensitive), and amikacin (61%). One hundred and fifty two (97.4%) of all the isolates were multi-drug resistant. To conclude, this study stresses the importance of prior knowledge of the sensitivity pattern of the pathogen, before prescribing an antimicrobial agent for a meaningful therapy and to avoid fast emergence of resistant mutants.

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