



## Journal of Hospital Pharmacy

An Official Publication of Bureau for Health & Education Status Upliftment  
(Constitutionally Entitled As Health-Education, Bureau)

### A Retrospective Study to Analyze the Prescribing Pattern and Drug- Drug Interactions of Antibiotics in Urinary Tract Infections

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#### ABSTRACT:

**Background:** Optimum information on ambulatory antimicrobial stewardship (AAMS) programme in primary care in the treatment of UTI infections. There is a need to establish a monitoring system to ensure adherence to the prescribing guideline in order to combat the antibiotic resistance and drug interactions associated with it. **Aim:** The study aims to study the prescribing patterns of the of antimicrobial in UTI infection and to monitor the drug interactions. **Methods:** A retrospective cohort analysis was done to study doctor prescribing patterns in order to identify the drug interactions and its management. The researchers focused at combination of an effective antibiotic based on first-line recommendations, an appropriate dose, and an appropriate treatment period. **Results:** A total of 105 cases were analyzed during the study which included the patients with co morbidity where HTN and DM was most common 3<sup>rd</sup> generation cephalosporin's along with combination was prescribed during the study. A total of 12 DDI was observed out of which 6 was found to be major 2 moderate and 4 minor. **Conclusion:** clinical pharmacist plays can play a crucial role in management of antimicrobial prescriptions to counter the antimicrobial resistance and its management.

**Key Words:** Urinary tract infection, Appropriate, Antimicrobial resistance, Drug interactions, Prescribing patterns.

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Website: <http://www.journalofhospitalpharmacy.in>

Received on 16/08/2021

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#### Quick Response Code:

