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### Urinary Tract Infection: Prescribing Pattern and Drug-Drug Interactions of Antibiotics

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#### ABSTRACT:

Urinary tract infections (UTI) are amongst the common painful infections seen in healthcare. They are classified as Complicated UTIs and Uncomplicated UTIs. The incidence of UTIs is more in women while prevalence is proportional to age. Gram-negative and Gram-positive bacteria are usually the common causative organisms in UTI. Due to rapid and drastic change in resistance pattern of the organisms, constant analysis of antibiotic prescribing is required. Polytherapy and increasing age may contribute to drug-drug interactions (DDIs). DDIs may emerge into an unwanted reaction or minimize the therapeutic efficacy of drugs administered concomitantly.

#### KEY WORDS:

UTI, uncomplicated UTI, complicated UTI, drug-drug interactions, antibiotics, synergistic effect, antagonist effect

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