

## The Bulletin from the Clinical Pharmacist

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### Pharma Today

A female patient of 27 years was admitted to the hospital for excision of fibroadenoma, breast. She was placed on NPO status and prescribed medications, such as Inj.Cefotaxime 1gm STAT, Inj.Ondansetron, pantoprazole.

She developed itching, rashes and raised bumps all over the body within seconds of receiving the STAT test dose of cefotaxime.

#### **Clinical findings:**



Diagnosis was made as ***Drug induced Hypersensitivity reaction.***

Cefotaxime, a cephalosporin antibiotic, is known to cause these reactions.

#### **Discussion:**

- Cefotaxime is a beta-lactam antibiotic classified as a third-generation cephalosporin. Its broad-spectrum antibacterial activity is useful in treating the susceptible strains of bacteria.
- Immediate Hypersensitivity (Type I) reaction involves the release of histamine and other chemicals from mast cells and basophils in response to an allergen.
- It typically occurs within minutes of exposure to the allergen and can lead to symptoms such as hives, itching, nasal congestion, wheezing, and anaphylaxis.