

SYMPTOM



## ANTIBIOTICS HYPERSENSITIVITY MECHANISM

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**ONSET OF REACTION:** 

**7–14 DAYS** 

TYPE II (DELAYED)

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IgE-MEDIATED HYPERSENSITIVITY

**TYPE I (IMMEDIATE)** 

ANTIBODY-MEDIATED HYPERSENSITIVITY

**HEMOLYTIC ANEMIA** 

**ONSET OF REACTION:** · . . . **LESS THAN 1 HOUR** 

**TYPICAL CLINICAL FINDINGS** 

- Anaphylaxis
- Hives

Anaphylaxis is a severe hypersensitivity reaction that can be fatal and often affects multiple organ systems. Beta-lactams are the most



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#### NEUTROPENIA

Dr Rajesh Shah, 2023

#### TROMBOCYTOPENIA

#### **COMMONLY ASSOCIATED ANTIBIOTICS**

CEPHALOSPHORINS, PENICILLIN, TRIMETHOPRIM/SULPHAMETHOXAZOLE

#### TYPE III (DELAYED)

IMMUNE COMPLEX MEDIATED HYPERSENSITIVITY

#### TYPE IV (DELAYED)

### DELAYED TYPE HYPERSENSITIVITY



Glossary And Pictures Of Clinical Manifestation Of Cutaneous Adverse Drug **Reaction By NPRA** 

#### **References:**

Maker, J. H., Stroup, C. M., Huang, V., & James, S. F. (2019). Antibiotic hypersensitivity mechanisms. Pharmacy, 7(3), 122.

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