



Drug Allergy: Symptoms and Treatment

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DESCRIPTION

A drug allergy is a reaction of the immune system to a drug. Any drug, over-the-counter, prescription, or herbal, can trigger a drug allergy. However, drug allergies are more likely to specific drugs. The most common symptoms of drug allergy are hives, rash, or fever. However, drug allergies can also cause serious reactions. This includes a serious life-threatening condition known as anaphylaxis. Medicine. Side effects of drugs are listed on the drug label. Drug allergy is also different from drug toxicity. Drug addiction is caused by drug overdose. Accurate diagnosis is essential. Studies have shown that drug allergies over diagnosed, with patients reporting drug allergies that have never been confirmed. Misdiagnosed drug allergies lead to inappropriate or more expensive drug use [1]. It's possible. Doctor will usually do a physical exam and ask questions. Information about when symptoms started, when medications were taken, and whether symptoms improved or worsened are important clues to help doctors make a diagnosis. Doctor may order additional tests or refer to an allergist (allergist) for testing. A drug allergy is an allergic reaction to a drug. When have an allergic reaction, immune system, which fights infection and disease, reacts to the drug. This reaction can cause symptoms such as rash, fever, and difficulty breathing [2]. True drug allergies are not common. Fewer than 5-10 side effects are attributed to true drug allergy. The rest are drug side effects. Still, it's important to know if there is a drug allergy and what can be done to rectify it.

A drug allergy is diagnosed by a doctor by carefully reviewing the patient's medical history and symptoms.

If suspect an allergy to penicillin or other antibiotics, an allergist may do skin tests to confirm the allergy. But; skin tests are not available for all drugs and can be dangerous in some cases. Doctor may recommend alternative medications that are equally effective [3]. The main concern in treating drug allergies is symptom relief. Common symptoms such as rashes, hives, and itching can often be controlled with antihistamines and possibly corticosteroids [4]. For more severe anaphylactic symptoms (life-threatening reactions such as difficulty breathing or loss of consciousness), injections of epinephrine (adrenaline) are usually given. Desensitization is sometimes used to treat drug allergies, especially when tests are unavailable or impractical. The technology is designed to allow the body to temporarily withstand allergy triggers as long as the drug is continued. For example, during penicillin desensitization, until the immune system can tolerate the Small doses of penicillin are injected in large doses at regular intervals. A desensitization procedure is not a cure for drug allergies [5].

REFERENCES

1. Khan DA, Solensky R. Drug allergy. *J Clin Immunol*. 2010;125(2):126-137.
2. Warrington R, Silviu-Dan F. Drug allergy. *Allergy Asthma Clin Immunol*. 2011;7(1):1-8.
3. Warrington R, Silviu-Dan F, Wong T. Drug allergy. *Allergy Asthma Clin Immunol*. 2018;14(2):1.
4. Demoly P, Adkinson NF, Brockow K, Castells M, Chiriac AM, Greenberger PA, et al. International Con sensus on drug allergy. *Allergy*. 2014;69(4):420-37.
5. Thong BY, Tan TC. Epidemiology and risk factors for drug allergy. *Br J Clin Pharmacol*. 2011;71(5):684-700.

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