Penicillin Allergy

This is a PDF version of the following document:
Module 1: STD Question Bank
Lesson 22: Penicillin Allergy

You can always find the most up-to-date version of this document at https://www.std.uw.edu/go/2021-guidelines/management-persons-penicillin-allergy/core-concept/all.

References

- Gonzalez-Estrada A, Radojicic C. Penicillin allergy: A practical guide for clinicians. Cleve Clin J Med. 2015;82:295-300.
[PubMed Abstract] -

Table 1. Classification of Hypersensitivity Reactions

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Gell and Coombs Classification of Hypersensitivity Reactions

Type of Reactions	Hypersensitivity	Mediated by	Time of Onset	Examples
IgE-mediated	Type I	IgE antibodies	Within 1 hour	Anaphylaxis
Non-IgE-mediated	Type II	Cytotoxic	Hours to days	Hemolytic anemia
Non-IgE-mediated	Type III	Immune complex	7-21 days	Serum sickness
Non-IgE-mediated	Type IV	Cell-mediated	Days to weeks	Maculopapular rash Stevens-Johnson syndrome Toxic epidermal necrolysis

IgE = immunoglobulin E

Source:

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