

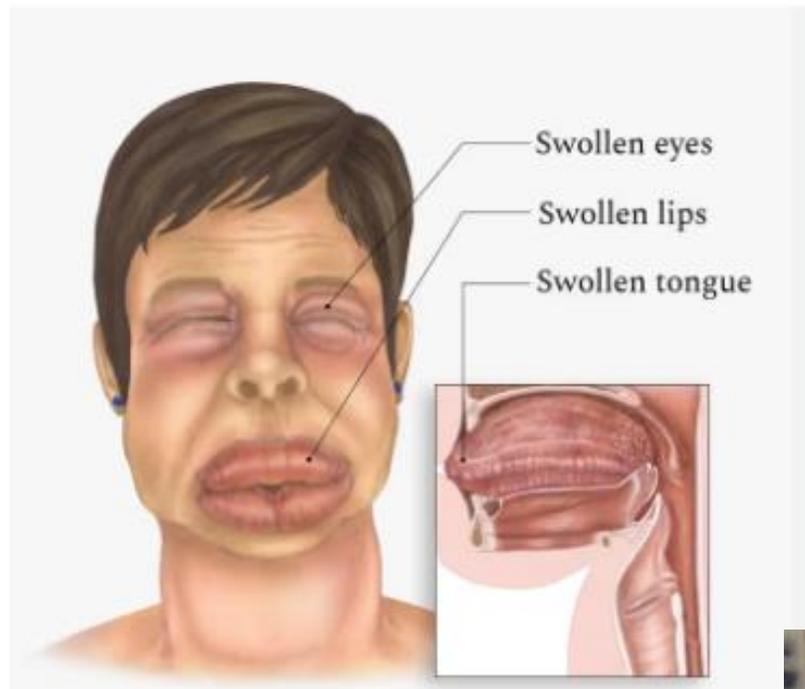
Hypersensitivity reactions and Autoimmunity lab

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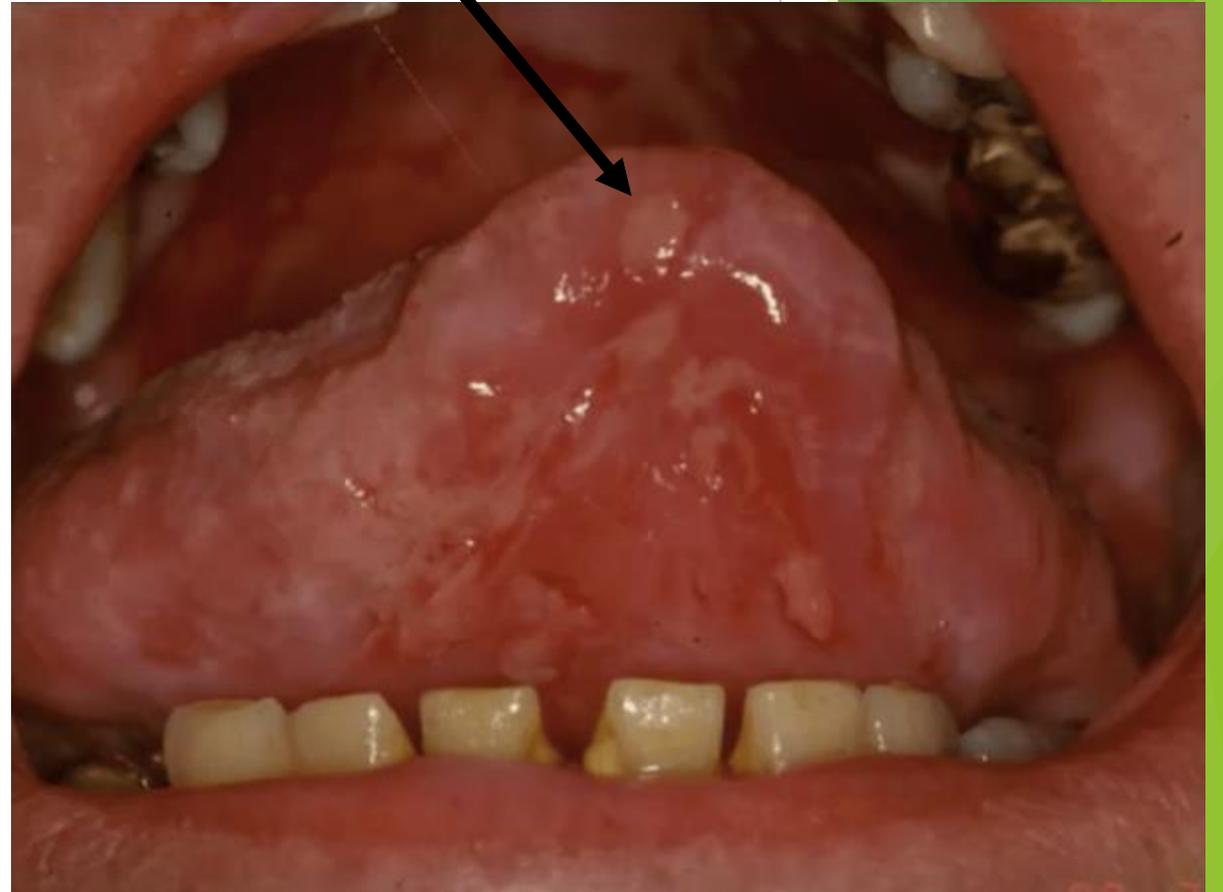
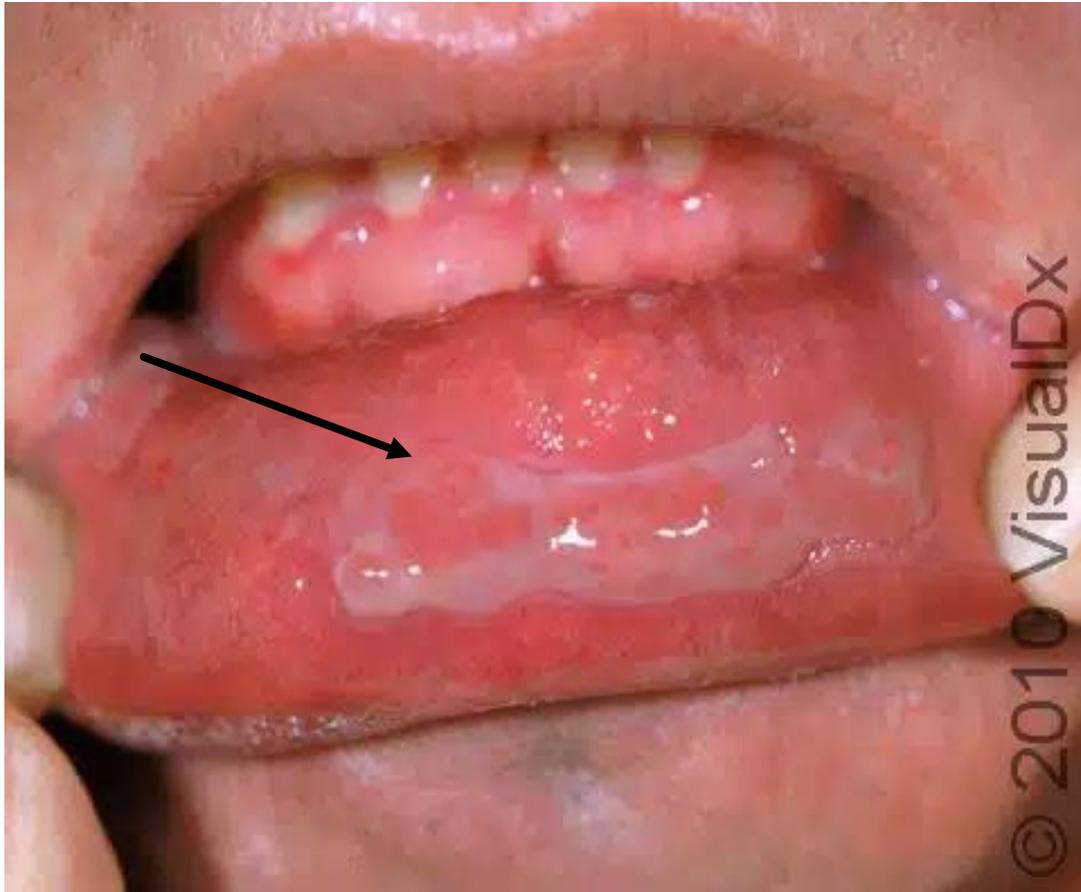
Urticaria



Angioedema



Pemphigus Vulgaris oral lesions



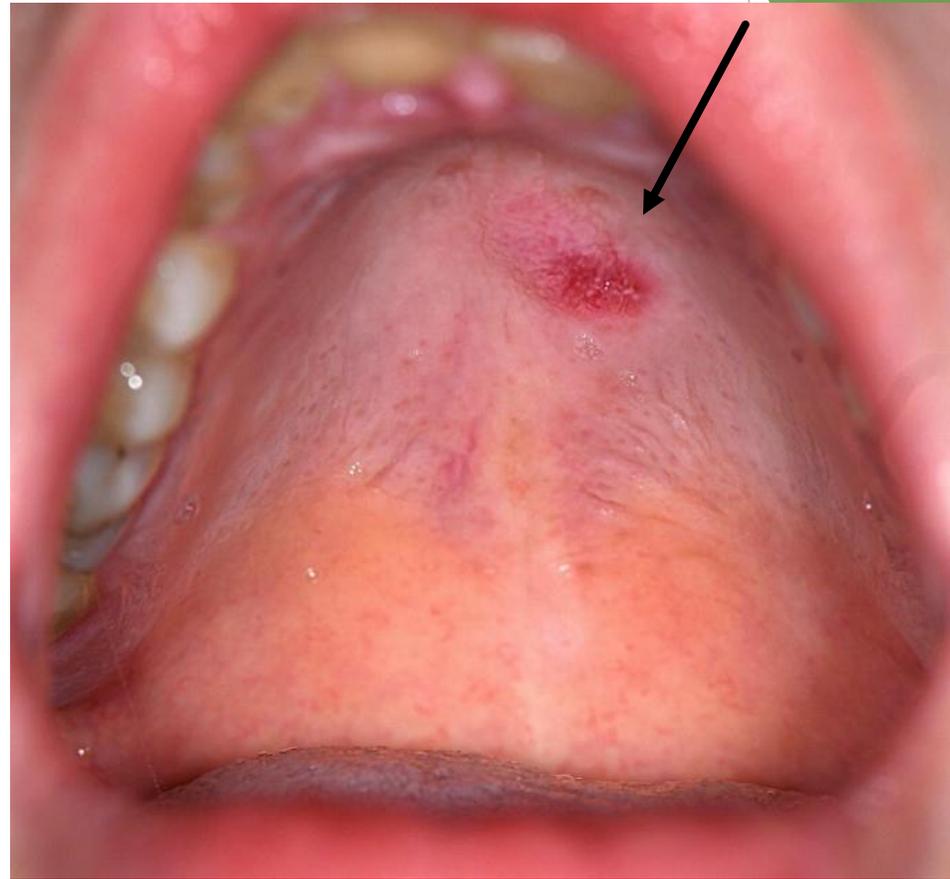
Arthus reaction at site of vaccine



SLE

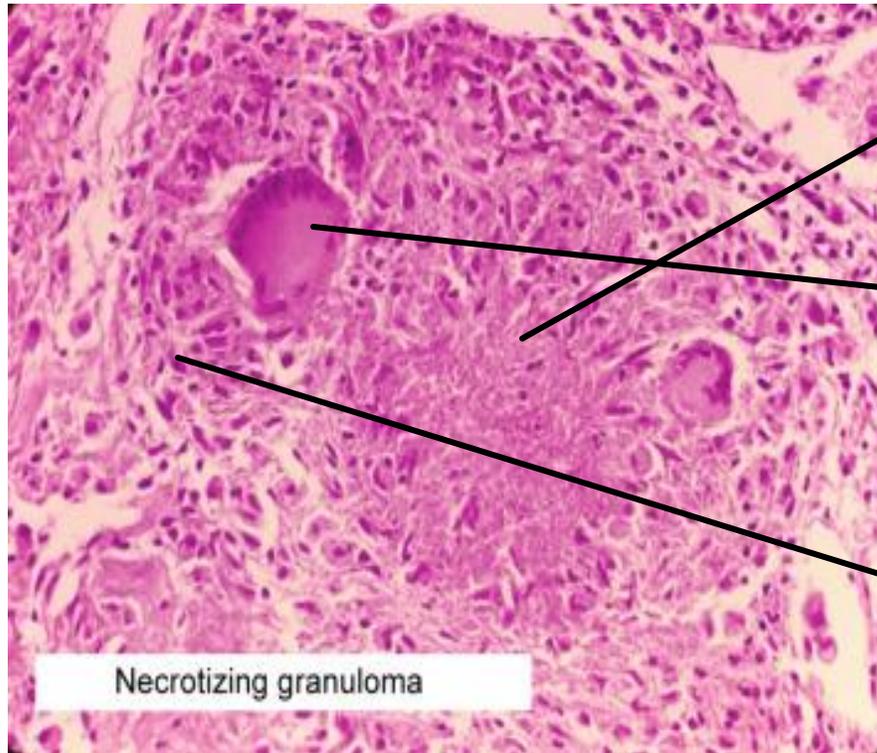


Malar rash



**Oral ulcers
Painless**

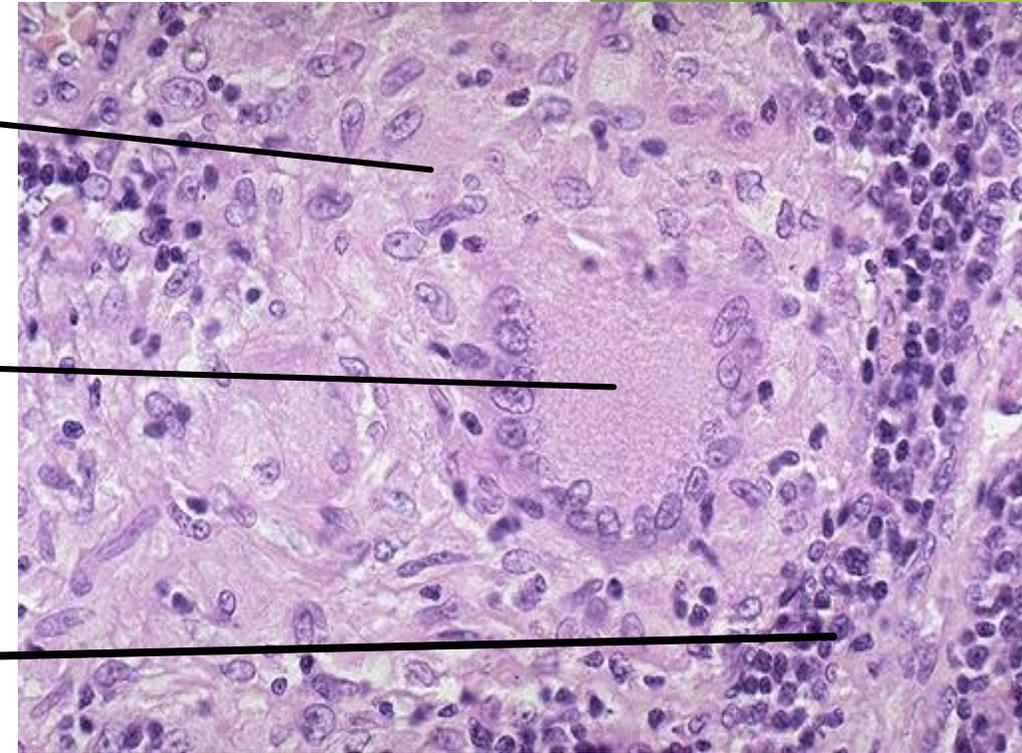
Granuloma



Epithelioid
histiocytes

Multinucleated
giant cells

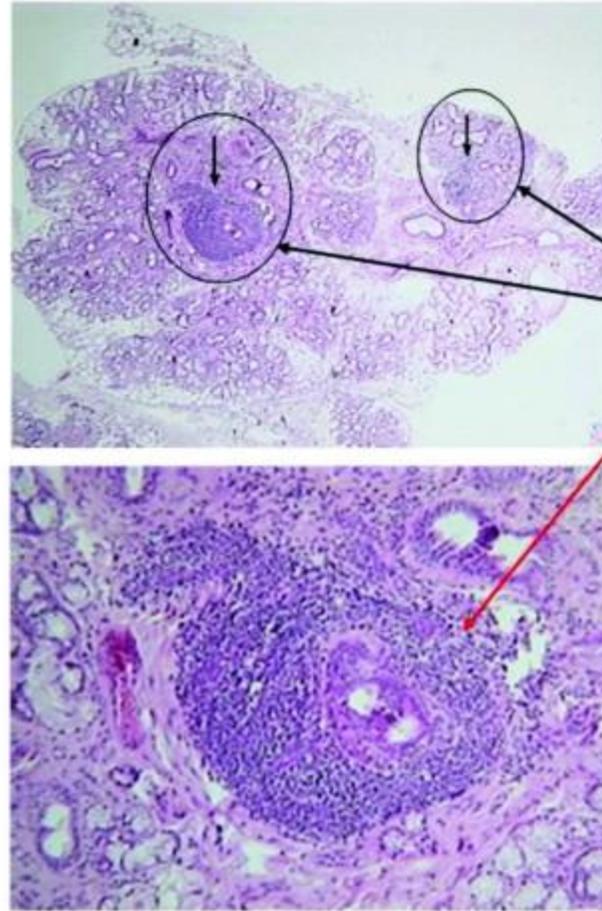
lymphocytes



Sjogren syndrome



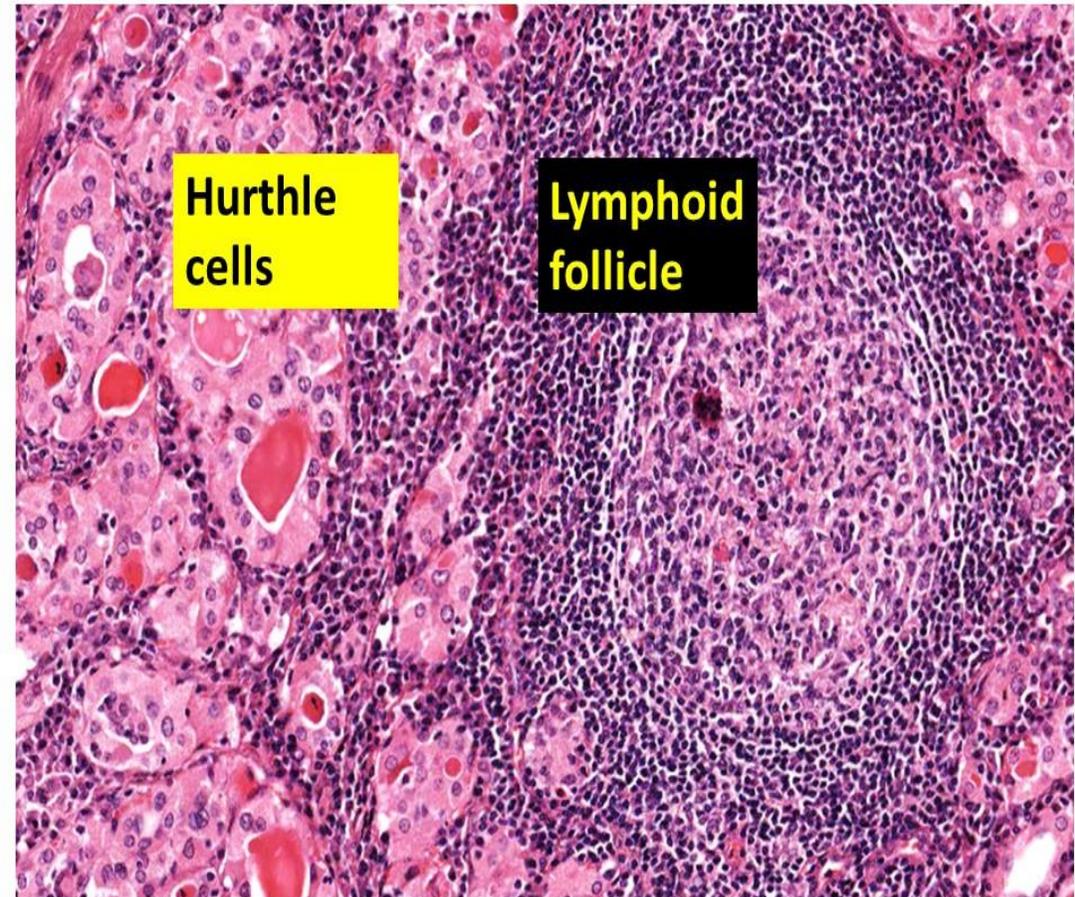
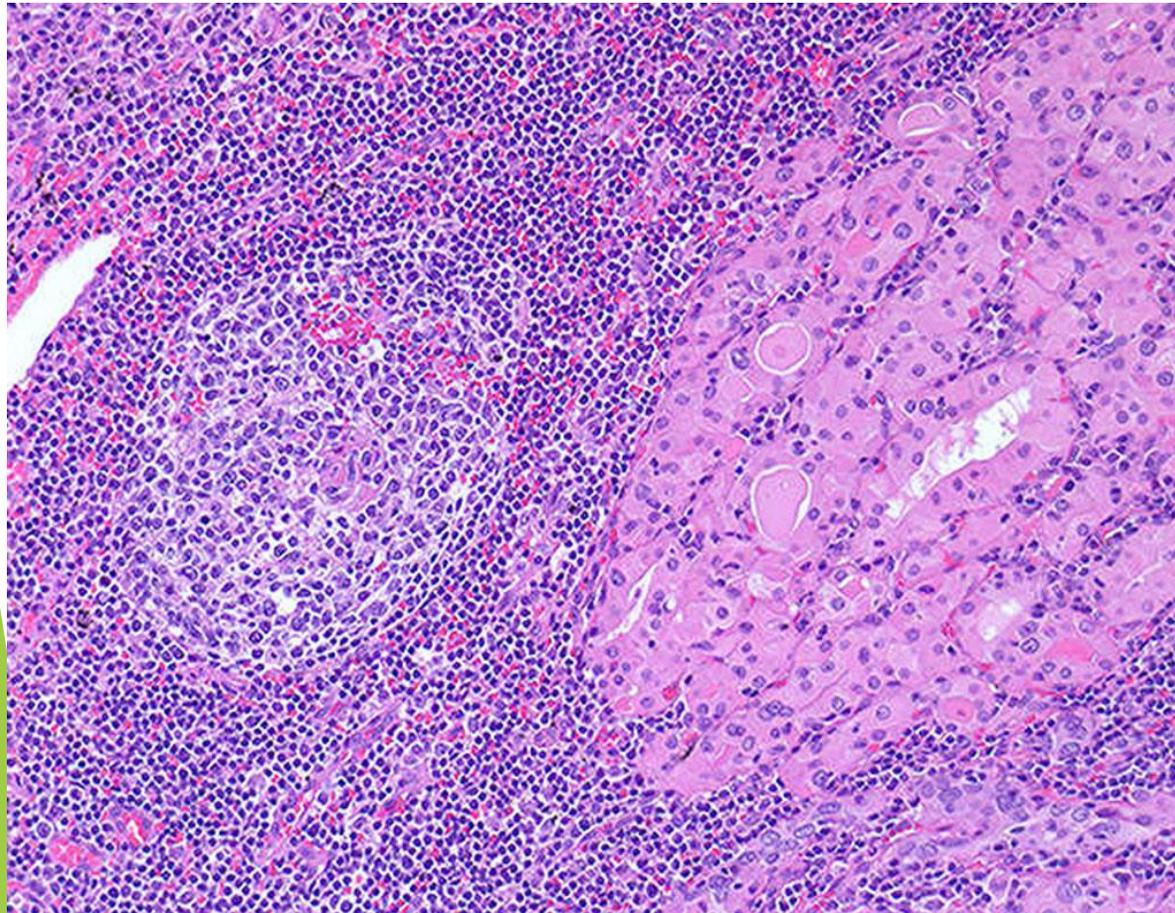
Dry mouth



Periductal lymphoid foci

Lymphocytic focus of 50 or more

Hashimoto thyroiditis



Quiz

- ▶ 1. a patient develops generalized urticaria and lip swelling within 5 minutes of receiving a local anesthetic injection at the dentist, what type of hypersensitivity reaction?



- ▶ 2. a young woman has malar rash, joint pain and oral ulcers. Lab tests show anti-dsDNA antibodies. what type of hypersensitivity reaction?



- ▶ 3. a dental nurse develops itchy, erythematous rash on hands after using latex gloves for several days. Reaction appears after 1-2 days of exposure. what type of hypersensitivity reaction?
- ▶ 4. a patient injected with tetanus toxoid develops redness, and swelling at site of injection after 6 hours. what type of hypersensitivity reaction?



- ▶ 5. a 45 year old man receive a blood transfusion and develops fever, chills, and hemoglobinuria minutes later, what type of hypersensitivity reaction?

Answers

- ▶ 1. type 1 hypersensitivity reaction.
- ▶ 2. type 3 hypersensitivity reaction. SLE
- ▶ 3. type 4 hypersensitivity reaction
- ▶ 4. type 3 hypersensitivity reaction
- ▶ 5. type 2 hypersensitivity reaction