

Typical exam tests in Allergology and Clinical Immunology

2022-2023 academic year

1. Organs and tissues containing muscarinic cholinergic receptors include:

- a) lymph nodes;
- b) liver;
- c) bronchi;
- d) thyroid gland;
- d) lungs.

2. The role of the macrophage in the immune response:

- a) the formation of antibodies;
- b) lysis of virus-infected target cells;
- c) suppression of cytotoxic "T" cells;
- d) antigen processing and presentation to antibodies.

3. Among the listed allergens, the most common cause of atopic bronchial asthma are:

- a) house dust mites;
- b) mold spores;
- c) bacteria;
- d) helminths.

4. "IgE"-dependent substances that activate mast cells include:

- a) myorelaxants;
- b) opioids;
- c) radiocontrast media;
- d) neuropeptides.

5. The action of the following substances increases mucous secretion:

- a) thromboxane;
- c) peroxidase;
- d) histamine;
- e) bradykinin.

6. Specify what type of allergic reaction is allergic contact dermatitis:

- a) the third - immunocomplex allergic reaction;
- b) the first - allergic reaction of an immediate type;
- c) the second - an allergic reaction of the cytotoxic type;
- d) the fourth - delayed allergic reaction.

7. Patients with atopic bronchial asthma are characterized by the following:

- a) positive skin tests for infectious allergens;
- b) papular-type skin reaction to indoor allergens;
- c) late skin reaction of the infiltrate;
- d) positive reaction of blast transformation of lymphocytes.

8. In the pathogenesis of which conditions does histamine play a decisive role:

- a) angioedema caused by vibration;
- b) dermographism;
- c) cholinergic urticaria;
- d) hereditary angioedema.

9. Pseudo-allergic reactions are characterized by all of the following, except for:

- a) the number of allergens causing the reaction is relatively large;
- b) skin tests for specific allergens are negative;
- c) skin tests for specific allergens are positive;
- d) Associated atopic diseases are rare.

10. A 13-year-old boy has a runny nose and itching in the eyes every summer. After a skin test with plant pollen allergen, he developed erythema and a 15 mm papule 15 minutes later. This reaction is the result of:

- a) formation of antigen-antibody complexes in skin vessels;
- b) migration of phagocytes in response to foreign proteins;
- c) release of histamine from mast cells;
- d) release of lymphokines by sensitized lymphocytes;
- e) release of lymphokines from mast cells.