

**Questions for examination test in allergology and immunology
for foreign 4 year students of the medical faculty
2025 -2026**

1. General ideas about the immune system.
2. Structure and functions of the immune system.
3. Central organs of the immune system.
4. Peripheral organs of the immune system.
5. Innate immunity, its characteristics.
6. Adaptive immunity, its characteristics.
7. Immunocompetent cells.
8. The concept of antigens and their properties.
9. Concepts of antibodies, their properties and functions.
10. Characteristics of the main classes of immunoglobulins.
11. Immune response. Phases of development of the immune response.
12. Types of immune response.
13. The concept of immune status and immunodiagnosis.
14. Primary immunodeficiency. Classification. Principles of diagnosis and treatment of primary immunodeficiency.
15. The concept of autoimmune diseases.
16. Mechanisms and possible causes of autoimmune diseases.
17. Principles of therapy of autoimmune diseases.
18. Classification of immunotropic drugs.
19. The concept of immunomodulators. Classification.
20. Basic principles of immunotherapy.
21. Allergen-specific immunotherapy.
22. Vaccination. The structure of vaccines. Properties of live and killed vaccines.
23. National calendar of preventive vaccinations.
24. General information about allergy. Classification of allergens.
25. Classification of allergic reactions according to Coombs.
26. Pathogenesis of reagin and cytotoxic types of hypersensitivity reactions.
27. Pathogenesis of immunocomplex and cellular types of hypersensitivity reactions.
28. Principles of diagnosis of allergic diseases. Skin tests.
29. Antihistaminic drugs, their classification and characteristics.
30. Glucocorticosteroids, their classification and characteristics. Topical GCS (ointments with GCS).
31. Atopic bronchial asthma. Etiology. Classification. Diagnosis. Treatment
32. Allergic rhinitis. Etiology. Classification. Diagnosis. Treatment.
33. Pollinosis. Etiology. Diagnosis. Treatment.
34. Exogenous allergic alveolitis. Etiology. Diagnosis. Treatment.
35. Atopic dermatitis. Etiology. Diagnosis. Treatment.
36. Urticaria. Etiology. Classification. Treatment.
37. Angioedema. Diagnosis. Treatment.
38. Food allergy. Etiology. Diagnosis. Prevention. Treatment.
39. Insect allergy. Etiology. Diagnosis. Treatment.
40. Drug allergy: principles of treatment and prevention.
41. Serum sickness. Diagnosis. Treatment
42. Stevens-Jones syndrome. Diagnosis. Treatment.
43. Toxic epidermal necrolysis (Layel's syndrome). Diagnosis. Treatment.
44. Anaphylactic shock. Diagnosis. Treatment.