

Questions to prepare for the second credit

1. Common characteristics of the adaptive immune responses.
2. Antigen processing.
3. "Dual recognition" and other signals.
4. Signaling and lymphocyte activation.
5. Clonal expansion.
6. Lymphocyte differentiation in the course of immune responses.
7. Effector activity.
8. Systematization of the immunoregulation.
9. The idiotype/anti-idiotype network.
10. Natural T regulatory cells.
11. Type 1, type 2 helper T cells and Tfh.
12. Type 9, 17 and 22 helper T cells.
13. Hepatic control.
14. Neuro-endocrine regulation.
15. Genetic regulation.
16. Immune tolerance.
17. Classification of hypersensitivity after Gell-Coombs.
18. Type I hypersensitivity. Diseases.
19. Early and late atopic reactions.
20. Type II hypersensitivity. Diseases.
21. Type III hypersensitivity. Diseases.
22. Type IV hypersensitivity. Diseases.
23. The lymphocyte transformation test (LTT).
24. Atopic allergic diseases.
25. Allergodiagnosics.
26. Anti-allergic medications.
27. Allergen-specific immunotherapy (ASIT).
28. Breakdown of immune tolerance.
29. Autoimmune diseases.
30. Immunodiagnosics and therapy of autoimmune diseases.
31. Autoinflammatory disorders.
32. Immunodeficiencies.
33. Molecular anomalies of primary immunodeficiencies.
34. Diagnostosics and therapy of primary immunodeficiencies.
35. Secondary immunocompromised conditions.
36. Immune enhancement therapy.
37. Principles of vaccination.
38. HIV/AIDS.
39. Immunoediting in cancer.

Assessment criteria:

- «excellent» is given to the student if he/she has less than 1 error;
- «good» is given to the student if he/she has less than 3 errors;
- «satisfactory» is given to the student if he/she has less than 5 errors;
- «poor» is given to the student if he/she has more than 5 errors.