Teaching unit 01

1. The importance of the immune system in health and disease.
2. Basic mechanisms of innate and adaptive immunity
3. Types and basic characteristics of the adaptive immune response. Against which types of microorganisms are directed?
4. Active and passive immunity. Examples.
5. Properties of the adaptive immune response: specificity and diversity.
6. Properties of the adaptive immune response: memory, primary and secondary immune response.
7. Properties of the adaptive immune response: clonal expansion, specialization, lack of reaction to self-antigens.
8. Basic types of lymphocytes. Their characteristics and functions.
9. Basic characteristics of naive, effector and memory T and B lymphocytes.
10. Antigen-presenting cells. Their role. Professional antigen-presenting cells.
11. Peripheral lymphatic organs. Structure.
12. Localization of T and B lymphocytes in peripheral lymphatic organs. How is their anatomical separation maintained?
13. Recirculation and migration of lymphocytes into tissues.