**Teaching unit 14**

* 1. Types of immunity
  2. Active immunization. Vaccination
  3. Primary and secondary immune response
  4. Immune response induced by vaccines
  5. Properties of vaccines: effectiveness
  6. Properties of vaccines: safety
  7. Properties of vaccines: stability and price
  8. Types of vaccines
  9. Live attenuated vaccines
  10. Live virulent vaccines
  11. Live recombinant vaccines
  12. Dead vaccines. Advantages and disadvantages
  13. Adjuvants
  14. Inactivated vaccines
  15. Subunit vaccines
  16. Toxoids as vaccines
  17. Combined vaccines
  18. Subunit polysaccharide vaccines
  19. Polysaccharides as antigens
  20. Subunit conjugate vaccines
  21. Subunit recombinant vaccines
  22. DNA vaccines
  23. Advantages and disadvantages of DNA vaccines
  24. Effectiveness of vaccines against common infectious diseases