**Teaching unit 13**

1. Immune surveillance. Basic features and evidence supporting the concept.

2. Tumor antigens. Mutated or translocated genes.

3. Tumor antigens. Excessive expression.

4. Tumor antigens. Oncogenic viruses.

5. Immune mechanisms of tumor rejection. Macrophages.

6. Immune mechanisms of tumor rejection. NK cells.

7. Immune mechanisms of tumor rejection. Mechanisms of tumor cell killing by NK cells.

8. Immune mechanisms of tumor rejection. CD4+ T lymphocytes.

9. Immune mechanisms of tumor rejection. Antitumor functions of CD4+ T lymphocytes.

10. Immune mechanisms of tumor rejection. Cross presentation.

11. Immune mechanisms of tumor rejection. CD8+ T lymphocytes.

12. Immune mechanisms of tumor rejection. Mechanism of tumor cells killing by CD8+ T lymphocytes.

13. Avoidance of antitumor immunity. Antigen non-expression.

14. Avoidance of antitumor immunity. Immunosuppression.

15. Avoidance of antitumor immunity. Tolerance.