Teaching unit 07

1. Ionizing radiation. Biochemistry of radiation and mechanisms of DNA damage.

2. Tissue sensitivity and latent period.

3. Correlation between radiation dose and tumor, age and tumor.

4. Radiotherapy and oncogenesis.

5. Ultraviolet radiation. Types. Mechanism of DNA damage.

6. Ultraviolet radiation and tumors.

7. Microwave and electromagnetic radiation. Mobile telephony and tumors.

8. Asbestosis and nanoparticles in oncogenesis.

9. Mechanism of action of chemical carcinogens.

10. Types of chemical carcinogens, type of tumor and organ with which they "connect".

11. Non-genotoxic chemical carcinogens.

12. Chemical carcinogens and the risk of tumors.

13. Reparative processes in the cell.

14. Tobacco smoke and oncogenesis.