**Teaching unit 9**

1. Difference between angiogenesis and vasculogenesis
2. The main steps in the formation of tumor blood vessels
3. The role of pericytes in angiogenesis
4. Characteristics of tumor blood vessels
5. Angiogenic phenotype of tumor cells
6. General characteristics of proangiogenic factors
7. VEGF and its isoforms
8. Receptors for VEGF
9. Functions of VEGF
10. Angiostatins, bFGF and PDGF-B
11. The role of hypoxia in tumor angiogenesis
12. The circulating bone marrow-derived cells and TAM in angiogenesis
13. Endogenous inhibitors of tumor angiogenesis
14. Antiangiogenic therapy