



*Bogomolets National medical university
Department of hygiene and ecology # 1*

HYGIENE OF WATER AND WATER SUPPLY

Lecturer: PhD, assist. prof. Antonenko Anna Mykolaivna

PLAN OF THE LECTURE

- ▶ **Hydrosphere: its structure and hygienic significance.**
- ▶ **Water. Hypotheses of its appearance on the planet Earth. The unique structure and properties of water.**
- ▶ **Hygienic significance and functions of water.**
- ▶ **Water-borne infections. Peculiarities of water-born epidemics. Prevention measures for infection diseases.**
- ▶ **Endemic diseases. Types, hygienic characteristic, prevention.**
- ▶ **Intoxications. Types, hygienic characteristic, prevention.**
- ▶ **Types of water.**
- ▶ **Sources of water supply, their comparative hygienic characteristics.**
- ▶ **Water supply systems of settlements and their hygienic characteristics.**
- ▶ **Self purification of natural waters.**
- ▶ **General requirements for water quality. Indices of water quality.**
- ▶ **Methods of water sampling for laboratory analyses.**
- ▶ **Sources of water pollution. Bioethical aspects of water use.**
- ▶ **Sanitary protection of water sources. Sanitary protection zones.**
- ▶ **Methods of water quality improving, its hygienic characteristic.**
- ▶ **Norms of water supply in peace and wartime.**
- ▶ **Legislation background regarding hygiene of water and water supply.**