



Person in charge:

Assoc. Prof. Irina Slavcheva Burulianova, PhD, 052 978 449, burulianova@abv.bg

Visiting(reception) hours: Monday 01-02 pm

Synopsis

1. Forensic medicine - definition, tasks, problems, methods, contents and importance. The main objects in Forensic Medicine
2. Forensic traumatology - terminology. Mechanical injuries –types of injuries, types of forces, types of wounds.
3. Blunt trauma – bruises, scrapes, contusions, lacerations.
4. Closed and open fractures, skull fractures. Brain injuries, neck, spinal and chest injuries, blunt abdomen trauma.
5. Fall injuries. Transportation injuries
6. Edged wounds – types.
7. Firearm examination (wound ballistics). The doctor's duty in firearm injuries and deaths.
8. Vital injuries and injuries after death. Mechanical injuries - causes and genesis of death
9. Mechanical asphyxia. Stages. Classification. Morphology.
10. Strangulation – types, genesis. Traumatic asphyxia.
11. Other form of asphyxia – suffocation (smothering), choking, drowning.
12. Injuries due to heat and cold. Causes of death.
13. Electricity death and death from lightning.
14. Forensic toxicology – general aspects of poisoning, the toxic and fatal dose. The doctor's duty in cases of suspected poisoning. Samples required for toxicological analysis.
15. Acid and base poisoning, mercury poisoning,
16. Carbon monoxide poisoning, cyanide poisoning, food poisoning.
17. Ethanol and methanol poisoning.
18. Drug and narcotic poisoning.
19. Forensic examination of living patients. Physical assault.
20. Forensic examination of victims of sexual assault and assailants.
21. Identification of living persons and death bodies. Skeletalized remains.
22. Sudden nonviolent unexpected death.
23. Infanticide.

24. Medical aspects of death - cellular and somatic death. Diagnosis of death. Brain death.
25. Medico-legal investigation of death. Death certification.
26. Changes after death –early changes.
27. Putrefaction, mummification, adipocere, skeletalization.
28. Legal aspects of medical practice. Medical law – definition, contents, problems. Medical malpractice
29. Euthanasia and physician-assisted suicide.
30. Tissue and organ transplantation.

Literature:

Simpson's Forensic Medicine, Richard Shepherd, 12th ed. Arnold, 2003, 196.