DISASTER MEDICINE EXAMINATION SYLLABUS

2. Organization of public protection in case of disasters.
3. Organizational structure and control of public protection in case of disasters.
   Peculiarities in pathology in case of disaster.
5. Lack of correspondence between the necessity of medical help and the available possibilities.
   Organizational principles of the medical events in case of disasters.
6. Medical protection of the public in disasters.
7. Organization of emergency first aid in case of disasters. Importance and main points.
8. Preventive (hygienic / anti-epidemic) tasks in case of disasters. Institutions and formations for
   their realization.
10. Specialized medical aid during disasters with many casualties.
11. Specialized hospital aid during disasters with many casualties.
12. Model for rendering medical help in the region of the disaster in case of huge number sufferers
    - revealing of medical point.
13. Triage (medical sorting).
14. Organization of the evacuation of casualties to hospitals (so called medical evacuation).
    Organization of evacuation and transportation of the casualties.
15. Organization of medical aid after an earthquake.
16. First aid in hypothermia and frostbite - blizzards and avalanches.
17. First aid in case of floods.
18. First aid in case of fires.
19. First aid, triage and evacuation of casualties with head trauma.
20. First aid, triage and evacuation of casualties with thoracic trauma.
21. First aid, triage and evacuation of casualties with abdominal trauma.
22. First aid, triage and evacuation of casualties with trauma of the locomotory system.
24. Organization of the blood supplying in case of many casualties.
25. Basic principles in the organization of supplying with medical and sanitary household property
    during disasters with many casualties.
    Importance and main points.
27. Decontamination measures for bioweapon attacks.
28. Nuclear power plants (NPP) accidents: causes and classifications. Pollution of the surrounding
    environment with radioisotopes - radioactive plumes and fallout.
29. Assessment of the situation after NPP accidents. International classification of accidents in
    NPP.
30. Types of radioactive fallout. Migration of radioactive substances in the biosphere. Main
    radioactive products from NPP accidents.
31. Food and water contamination with radioisotopes. Main radioisotope contaminants.
32. Effect of ionizing radiation on the human body.
33. Mechanism of biological effect of the ionizing radiation.
34. Public exposure to natural background radiation. Increased irradiation from the natural sources of radiation caused by industry development.
35. Technogenic sources of ionizing radiation.
36. Radiation for medical purposes.
37. Types of ionizing rays and radiation.
38. Types of irradiation with ionizing radiation.
40. Acute radiation illness - clinical forms and course.
41. Acute radiation illness - bone marrow form.
42. Acute radiation illness - prophylaxis, treatment, side-effects and complications.
43. Radiodermatitis after NPP accidents.
44. Effects of radiation on human body.
45. Late somatic and genetic effects.
46. Effects of ionizing radiation on pregnancy.
47. Changes in the body as a result of prolonged exposure to ionizing radiation. Chronical radiation illness.
49. Combined radiation injuries.
50. Principles of public protection from ionizing radiation (before and after accidents).
51. Public protection after radioactive accidents.
52. Principles and methods for protection from external radiation.
55. General characteristics of poisoning with industrial and agricultural toxins. Focus of chemical contamination (FCC).
56. Indication and decontamination of industrial and other toxins.
59. Suffocating toxic substances causing pulmonary edema.
63. Characteristics of poisoning with non-lethal toxins - toxins affecting large groups of people (e.g. Riot control gasses).
64. Chemical warfare. Main properties. Classifications.
65. Psychochemical warfare agents.
66. Psychological problems and behavioral changes after disaster.
67. Phytotoxins.
68. Bioweapons.
69. Uniform medical practice during intoxications with mass character.
70. Individual means of protection.
71. Collective means of protection.
72. Decontamination as a part of a radiological, chemical and biological protection.
73. Increasing the body resistance in stress.
74. Drugs and homeopathic remedies for stress control.
75. Planning of providing medical care during disaster.
Literature


