

**THE THEMATIC PLAN OF THE PRACTICAL CLASSES ON MILITARY FIELD
THERAPY FOR THE 5th COURSE
of faculty of international students**

1. THE ORGANIZATION OF THE THERAPEUTIC HELP TO THE VICTIMS OF THE THERAPEUTIC PROFILE IN VARIOUS CONDITIONS OF ARMY ACTIVITY. MILITARY-MEDICAL EXAMINATION OF PATIENTS AND VICTIMS OF THE THERAPEUTIC PROFILE. – 6 hours

Military therapeutic pathology. The organization, medical sorting and volume of the therapeutic help for the struck persons and the patients in emergency situations of a peaceful time and in the conditions of troops activity.

Military therapeutic pathology: current state of a question. Lack of sanitary structure in modern conditions of the army activity. The characteristic of the main categories of the victims persons and the patients needing the therapeutic help. Basic principles of the organization and volume of the first, pre-medical, first medical assistance.

Medical sorting and volume of medical care for the sick and victims of a therapeutic profile at stages of medical evacuation in emergency situations of a peaceful time and in the conditions of army activity.

Medical sorting of the victims and patients at stages of medical evacuation. The basic principles of medical sorting at mass arriving of the victims and patients at stages of medical evacuation. The organization and volume of the therapeutic help at stages of medical evacuation and in the medical organizations of the Ministry of Defence. The organization of work of a medical company for reception, medical sorting, medical help and treatment of patients and victims. Features of the qualified and specialized therapeutic help.

Forces and means of strengthening and specialization of medical departments and organizations. Features of the organization of medical care in case of using the nuclear and chemical weapon.

Medical examination of patients and victims of a therapeutic profile

The documents regulating an organization and realization of the military-medical examination

The order of the people's direction to the military-medical examination. The order of the inspection of persons on the military-medical commission. Requirements to a state of health of citizens for the benefit of military-medical examination. Drawing up certificate on an illness. Registration of medical documentation of the military-medical commission. Rules of medical ethics and deontology.

2. ACUTE RADIATION SYNDROME (ARS). THE COMBINED RADIATION DEFEATS - 6 hours

Basis of biological effect of ionizing radiation. Pathogenesis and clinic of an acute radiation syndrome from external uniform radiation. Principles of treatment

General characteristic of a radiation factor and primary action of ionizing radiation.

Biological effect of ionizing radiation. Classification of acute irradiation injuries. Pathophysiological mechanisms of development of the main syndromes of an acute radiation illness. Bone marrow form of an acute radiation illness. The characteristic of a course of a disease on the periods. Clinical picture of the periods of an acute radiation syndrome of the first, second, third, fourth degree of severity. Principles of treatment of acute irradiation injuries.

Acute radiation illness from external uniform radiation. Feature of acute radiation illness from neutron radiation. Acute radiation injuries from the combined, uneven radiation. The combined radiation injuries.

Blood and bone marrow changes during various periods of acute radiation illness. Early diagnostics. Clinical characteristic of intestinal, toxemic, cerebral forms of radiation illness. Clinical features of radiation illness from neutron radiation.

Clinical features of radiation illness depending on radiation geometry. Diagnostic and clinical features of the radiation illness arising from the internal and combined radiation.

Clinical and diagnostics features of the combined radiation injuries. Syndrome of mutual burdening. The periods of the combined injuries. Prevention of radiation injuries. Radio protectors. Organization of medical sorting of acute radiation injuries. General principles of treatment of radiation illness. Treatment of primary reaction, tactics of treatment during various periods of an illness.

Emergency aid at refractory vomiting, acute cardiovascular insufficiency, psychomotor excitement. Principles of stage-by-stage treatment of victims. Features of treatment of acute radiation illness from the combined, neutron radiation, the combined radiation injuries.

Features of physiological reactions of an organism at influence of small doses of ionizing radiation. Features of clinical manifestations and the course of other internal diseases during impact on an organism of small doses of ionizing radiation.

3. DISEASES OF INTERNAL ORGANS FROM INJURY – 12 HOURS

Stages of development of the doctrine about diseases of internal organs from injury. Pathogenetic mechanisms of development of visceral pathology at gunshot and mine and explosive wounds

Stages of development of the doctrine about diseases of internal organs from injury. Concept of a traumatic illness. Pathogenetic mechanisms of development of visceral pathology at gunshot and mine and explosive wounds.

Diseases of internal organs from injury and contused at a fire, mine and explosive trauma and a crush syndrome

Classification of the general visceral symptoms and the pathological changes in organs at injuries.

The characteristic of the general syndromes and the pathological changes of lungs, cardiovascular system, kidneys, and digestive organs at a trauma. Pathogenetic, clinical, diagnostic features, prevention and treatment of visceral pathology at a bullet wound.

Changes of internal organs at explosive injuries. Pathogenesis, clinic, treatment. Prevention of complications. Crush syndrome, classification, pathogenesis.

Clinic, diagnostics, the principles of treatment of visceral pathology at a crush syndrome.

Visceral pathology at a burn disease

Definition and concept of a burn disease. Classification of a burn disease by the periods (shock, toxemia, septic toxemia, recovery). Pathogenesis of a burn disease.

Changes of internal organs at a burn disease

The role of nervous, toxic, endocrine, infectious, autoimmune factors, plasma loss and hypoxias in development of a burn disease. Characteristic of the general syndromes of a burn disease (shock, toxemia, sepsis, exhaustion). Clinical characteristic of changes of nervous, cardiovascular system, kidneys, respiratory organs, digestion, blood and hemopoietic organs. Metabolic and water and electrolytic balance disorders. Emergency aid at burn shock.

The principles of pathogenetic treatment of a burn disease according to its periods. Military-medical examination.

4. DAMAGE BY ELECTROMAGNETIC RADIATIONS OF SUPERHIGH-FREQUENCY RANGE 6 HOURS

Damage by superhigh-frequency electromagnetic radiations

Electromagnetic radiations of superhigh-frequency (SHF) range. Classification of damages by superhigh-frequency electromagnetic radiations. Pathogenetic theories of a radio wave illness.

Clinic, diagnostics, principles of treatment electromagnetic radiations of microwave range damage.

Classification of damage by superhigh-frequency electromagnetic radiations.

Biological effect of electromagnetic radiations of the SHF - range on a human body.

Clinic of acute and chronic damage by superhigh-frequency electromagnetic radiations. Diagnostics of acute and chronic damage by electromagnetic radiations of microwave range. Prevention of acute and chronic damage by superhigh-frequency electromagnetic radiations. Principles of treatment of damage by superhigh-frequency electromagnetic radiations. The organization and carrying out medical examination of the persons working with sources of superhigh-frequency electromagnetic radiations. Military-medical examination.

IN TOTAL hours: 25