

*Description (annotation) of the discipline*

**Current issues of Hematology and Transfusiology**

(name of the elective discipline)

<b>Specialty</b>	Medicine - 222
<b>Educational degree</b>	Master
<b>Training course</b>	6
<b>Form of study</b>	Full-time
<b>Department</b>	Internal Medicine, Clinical Pharmacology and Occupational Diseases

**Summary of the course:**

The program of the elective course "Current issues of Hematology and Transfusiology" provides consolidation of knowledge on the basics of transfusion therapy; mastering of theoretical knowledge and practical skills for the most rational drug and transfusion therapy of the patient, taking into account his clinical state.

The main task of the student and future doctor in the clinic of internal medicine on the basis of physical and objective examination of the patient, the data of additional research methods to conduct differential diagnosis of anemic syndrome with the appointment of appropriate treatment, early diagnosis of oncohematological pathology and hemostasis disorders to prevent the development of such a threatening complication as DIC. Moreover, previously student didn't have topics about efferent therapy and cell-therapy. These aspects will be paid attention to when studying the elective course "Current issues of Hematology and Transfusiology".

**Approximate list of topics:**

1. Acquired and hereditary thrombophilia. General principles of anticoagulant therapy.
2. Disseminated intravascular coagulation syndrome - diagnosis and management of patients at different stages.
3. Blood transfusions. Indications, contraindications. Methods of component transfusion therapy.
4. Efferent treatments.
5. Blood hyperviscosity syndrome. Microcirculation disorder syndrome. Transfusion principles.
6. Disorders of water-electrolyte balance. Transfusion principles.
7. Main principles of cell therapy.

**The list of competencies, which will provide by the discipline:**

**General competencies:**

GC1	Ability to abstract thinking, analysis and synthesis, the ability to learn and be modernly trained.
GC2	Ability to apply knowledges in practical situations.
GC3	Knowledge and understanding of the subject area and understanding of professional activity.
GC4	Ability to adapt and act in a new situation.
GC5	Ability to make an informed decision; work in a team; interpersonal skills.
GC6	Ability to communicate.
GC7	Skills in the usage of information and technologies.
GC8	Definiteness and perseverance due to the tasks.
GC9	The ability to act socially responsibly and consciously.

**Special competencies:**

SC1	Skills of interviewing and clinical examination of the patient.
SC2	Ability to determine the required list of laboratory and instrumental studies and evaluate their results.
SC3	Ability to define clinical diagnosis.
SC6	Ability to determine the treatment of the disease.
SC7	Ability to diagnose emergencies.
SC8	Ability to determine the tactics of emergency medical care.
CK9	Emergency care skills.
CK10	Skills to perform medical manipulations.
CK11	Ability to keep medical records.

**GENERAL INFORMATION ABOUT SCIENTIFIC AND PEDAGOGICAL  
EMPLOYEES OF THE DEPARTMENT, WHO TEACH THE COURSE:**

<b>№ 3/II</b>	<b>Surname, name</b>	<b>Scientific degree</b>	<b>Academic title</b>	<b>Certification training</b>
1	<b>Shorikov Eugene</b>	PhD, MD, professor, Doctor of Med. Scien.	Associated professor	03.2020
2	<b>Shorikova Dina</b>	PhD	Associated professor	01.2017
3	<b>Pavlukovich Natalie</b>	PhD	Associated professor	03.2019

Head of the Department of Internal Medicine,  
Clinical Pharmacology  
and Occupational Diseases, MD, prof. \_\_\_\_\_ Khukhlina O.S.