Osh State University

Medical Faculty

Department "Biochemistry, Pathophysiology and Pharmacology"

**APPROVED**

Head. chair of MD, PhD Muratov JK

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GUIDELINES FOR TRAINEES

TO EXTRACURRICULAR WORK INDEPENDENTLY

SECTION: **PATHOPHYSIOLOGY OF BLOOD.**

TOPIC: **Pathology of hemostasis**.

Developed: teacher Ismailov IJ.

Methodical instructions approved at a meeting of the department

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OSH

**Study subject:** Pathology of hemostasis.

**Aim of the lesson**: to study hemostatic disorders with hemorrhagia, to meet the methods of hemostatic investigation.

**Format:** Preparing for the practical exercises.

**Questions for self-study:**

1. Hemostasis. Compounds of hemostatic system (blood vessels, platelets, plasma coagulation factors).

2. Vascular-platelets hemostasis and hemocoagulative hemostasis. Features.

3. General feature of hemostasis disorders: trombophilitic, hemorrhagic, trombohemorrhagic.

4. Hemorrhagic disorders of hemostasis: disorders of blood vessels, disorders of platelets, coagulation disorders.

5. Disorders of blood vessels. Reasons and mechanisms of their development, clinical manifestations:

- scurvy,

- Henoch-Schonlein purpura,

- Rendu-Osler-Weber syndrome.

6. Thrombocytopenia and qualitative disorders of platelets. Reasons and features.

7. Coagulation disorders. Categorization. Features.

- coagulation disorders, connected with breaking of the 1-st phases of blood coagulation. Hemophilia.

- coagulation disorders, connected with breaking of the 2-nd phases of blood coagulation.

- coagulation disorders, connected with breaking of the 3-d phases of blood coagulation.

8. Disseminated intravascular coagulation (DIC-syndrome). Reasons and mechanisms of development. Stages of DIC-syndrome.

**List of practical skills**

1. Be able to determine the kind of shift leukocyte by its index.

2. Be able to identify the type of leukemoid reaction.

**Recommendations to UIRS:**

1. Making the album with the relevant tasks relating to using and learning about the meth-period literature.

2. Master the techniques of creative use of the program material on the subject of the claim with the help of problem solving.

**Self-control on test tasks:**