**Syllabus of THE I CATHEDRAL STUDENT OLYMPIAD ON "MEDICAL MORPHOLOGY"**

The Cathedral Student Olympiad is an educational event **aiming** to popularize knowledge in the field of fundamental sciences, increase interest in educational activities, and create opportunities for students to express their scientific and creative potential.

**The objectives** of the Olympiad are:

1. improving the level of knowledge of students in medical disciplines;

2. development of skills and abilities in practical medicine;

3. integration of acquired knowledge, skills, and abilities in the analysis of clinical cases;

This syllabus includes a detailed list of topics on the basis of which questions and tasks will be compiled for the Cathedral Student Olympiad on "Medical Morphology". Additionally, a set of skills necessary for a participant in the Olympiad can be found in this syllabus.

**І Theoretical tasks**

**Human anatomy and physiology:**

* Support and movement;
* Respiratory system;
* The Circulatory system;
* The Lymphatic and Immune systems;
* The Urinary system;
* The digestive system;
* The reproductive system;
* The Nervous system;
* The Endocrine system

**Histology:**

* Epithelial tissues
* Connective tissues
* Muscle tissue
* Nerve tissue
* The whole course of embryology
* Female reproductive system
* Digestive system
* Respiratory system
* Organs of hematopoiesis

**Pathology:**

* Acute and chronic inflammation

**\*** It should be noted that not all topics listed may be presented among the questions/tasks on the Olympiad itself, but there will be no questions/tasks on topics that are not on this list. The questions will be open-ended and closed-ended.

**ІІ Practical tasks**

* Working with dummies (Osteology)
* Working with micropreparations
* Case study (pathology)

\* The tasks of the practical tour will not require laboratory skills and methods that go beyond those that students can learn from the standard curriculum.

**List of thinking skills needed to solve Olympiad tasks:**

- Method of analogies;

- Inductive reasoning;

- Deductive reasoning;

- Data processing;

- Probabilistic logic.

**References:**

**1.** Anatomy & physiology: the unity of form and function / Kenneth S. Saladin**;**

**2.** Color Atlas and Text of Histology, 6e. / Leslie P. Gartner, James L. Hiatt;

**3.** Inderbir Singh's Textbook Of Human Histology With Colour Atlas And Practical Guide, 7e. / Neelam Vasudeva, Sabita Mishra.

**4.** Robbins basic pathology, 10e. / Vinay Kumar, Abul K. Abbas, Jon C. Aster.

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