

## Supplement №2 (138) 2023

ISSN 2786-6661eISSN 2786-667X

UDC: 378.6:61:001.891](477.411)(050)

Міністерство охорони здоров'я України  
Національний медичний університет  
імені О. О. Богомольця

НАУКОВО-ПРАКТИЧНЕ ВИДАННЯ

# УКРАЇНСЬКИЙ НАУКОВО-МЕДИЧНИЙ МОЛОДІЖНИЙ ЖУРНАЛ

Видання індексується  
в Google Scholar,  
Index Copernicus, WorldCat OCLC

ISSN 2786-6661eISSN 2786-667X

Ministry of Health of Ukraine  
Bogomolets National Medical University

THEORETICAL AND PRACTICAL  
EDITION

# UKRAINIAN SCIENTIFIC MEDICAL YOUTH JOURNAL

Journal's indexing:  
Google Scholar, Index Copernicus,  
WorldCat OCLC

**Засновник** – Національний медичний університет  
імені О.О. Богомольця МОЗ України  
**Періодичність виходу 4 рази на рік.**

**Журнал внесено до переліку фахових видань.**

**Галузі наук: медичні, фармацевтичні.**  
(наказ МОН України 09.03.2016 №241)  
Реєстраційне свідоцтво KB № 17028-5798ПР.  
Рекомендовано Вченою Радою НМУ  
імені О. О. Богомольця  
(протокол №4 від 27.04.2023р.)

Усі права стосовно опублікованих статей  
залишено за редакцією.  
Відповідальність за добір та викладення фактів  
у статтях несуть автори,  
а за зміст рекламних матеріалів – рекламодавці.  
Передрук можливий за згоди редакції  
та з посиланням на джерело.  
До друку приймаються наукові матеріали,  
які відповідають вимогам до публікації  
в даному виданні.

**Founder** – Bogomolets National Medical University  
Ministry of Health of Ukraine

**Publication frequency – 4 times a year.**

**The Journal is included in the list of professional  
publications in Medical  
and pharmaceutical Sciences**

(order MES Ukraine 09.03.2016 № 241)  
Registration Certificate KB № 17028-5798ПР.  
Recommended by the Academic Council  
of the Bogomolets National Medical University, Kyiv  
(protocol №4 of 27.04.2023)

All rights concerning published articles are reserved  
to the editorial board.

Responsibility for selection and presentation  
of the facts in the articles is held by authors,  
and of the content of advertising material –  
by advertisers.

Reprint is possible with consent  
of the editorial board and reference.  
Research materials accepted  
for publishing must meet  
the publication requirements of this edition.

# ЗМІСТ/CONTENTS

Сторінки/Pages

«КВІТНЕВА НАУКОВА СЕСІЯ 2023»

«APRIL SCIENTIFIC SESSION 2023»

17 квітня 2023 Київ, Україна

April 17, 2023 Kyiv, Ukraine

Секції:

Аптечна та промислова технологія ліків PHARMACEUTICAL AND INDUSTRIAL DRUG TECHNOLOGY	5
Внутрішня медицина 1 INTERNAL MEDICINE 1	15
Внутрішня медицина 2 INTERNAL MEDICINE 2	23
Внутрішня медицина 3 INTERNAL MEDICINE 3	30
Клінічна фармакологія CLINICAL PHARMACOLOGY	36
Організація економіки фармації ORGANIZATION OF PHARMACY ECONOMY	42
Профілактична медицина PREVENTIVE MEDICINE	51
Хірургія, анестезіологія та акушерство SURGERY, ANESTHESIOLOGY AND OBSTETRICS	58

## «ТКАНИННІ РЕАКЦІЇ В НОРМІ, ЕКСПЕРИМЕНТІ ТА КЛІНІЦІ»

Всеукраїнська науково-практична конференція з міжнародною участю  
присвячена пам'яті члена-кореспондента НАМН України,

д.мед.н., професора Ю. Б. Чайковського

Київ, 8–9 червня 2023

## «TISSUE REACTIONS IN THE NORM, EXPERIMENT AND CLINIC»

All-Ukrainian scientific and practical conference with international participation dedicated  
to the memory of professor Yu. B. Chaikovsky

Kyiv, June 8–9, 2023

Секційні напрямки конференції:

1. Історія морфології: події та персоналії	63
2. Морфологічні технології сьогодні	79
3. Тканинні реакції при пошкодженнях нервової системи	86
4. Тканинні реакції органів людини та тварин в онтогенезі, при регенерації та патологічних станах	98
5. Підходи оптимізації викладання морфологічних дисциплін	152

The conference sections:

1. History of morphology: events and personalities	63
2. Morphological technologies today	79
3. Tissue reactions of the nervous system in case of damage	86
4. Tissue reactions of human and animal organs in ontogenesis, regeneration and pathological conditions	98
5. The optimizing of teaching approaches of morphological disciplines	152

Алфавітний зміст	168
------------------	-----

## CHALLENGES OF TEACHING THE DISCIPLINE FOR A NEW SPECIALTY

*Makyeyeva L. V., Popazova O. O., Gromokovska T. S., Tavrog M. L., Kluchko S. S.*

*Department of Histology, Cytology and Embryology*

*Head of department: Pototska O. I., candidate of medical sciences, associate professor*

*Zaporizhzhia State Medical and Pharmaceutical University*

*Zaporizhzhia, Ukraine*

Currently teachers of all educational institutions are facing a variety of challenges on a daily basis. They include the following:

1. Understanding the student's learning style and adapting teaching methods accordingly.
2. Keeping the student engaged and motivated throughout the learning process.
3. Dealing with different levels of prior knowledge and experience among students.
4. Creating a supportive learning environment that fosters growth and development.
5. Addressing individual learning needs and providing personalized feedback and support.

However, experience of department of Histology, cytology and Embryology of Zaporizhzhia State Medical and Pharmaceutical University has shown that list can be expanded. This year discipline Histology, Cytology and Embryology is taught to students from specialty «Dentistry» in English language for the first time and our teachers have faced a variety of problems and challenges.

First, it was hard to find appropriate resources, specifically books. We could not find any Ukrainian book on our subject that would fit this specialty in English. All foreign books did not exactly match our work plan. So, teachers had to select topics from various books to use in educational process.

Second, creating a work program, curriculum and syllabus was be a challenge for teachers. They had to ensure that the content is relevant, engaging, and meets the learning objectives of the course. This involves researching and selecting appropriate resources, developing assessments and activities, and considering the needs of different types of learners.

Third, creating handouts, lecture presentations, and presentations for practical classes as well as and finding effective ways to present topics to students was also challenging for teachers. They had to consider the learning styles of their students, the level of difficulty of the material, and how to make the content accessible and engaging. Additionally, teachers had to adapt their teaching strategies to accommodate students with different learning needs or abilities. It can be a time-consuming process, but it is essential to ensure that students are receiving the best possible education.

Therefore, the last, but not the least important was finding the right balance between creating new materials and covering all other work tasks. It's important for teachers to prioritize their tasks and allocate their time effectively. Creating new materials can enhance the learning experience for students and make teaching more engaging, but it shouldn't come at the expense of covering all the necessary content. Teachers should aim to strike a balance between creating new materials and covering all tasks within the allotted time. It's also important for teachers to continuously evaluate their teaching methods and adjust accordingly.

**In conclusion**, it should be said that teaching requires dedication, time, and strength to overcome all the difficulties. However, all challenges lead to constant improvement of oneself in the selected area of activity.

**Key words:** education, dental, curriculum; Teaching, Study Guide as Topic, students

## MECHANISMS OF MOTIVATION IN PREPARING STUDENTS FOR THE LICENSE EXAM «STEP-1»

*Protsak T. V.*

*Department of Human Anatomy named after M. G. Turkevych*

*Head of the Department: Kryvetskiy V. V., Doctor of Medical Sciences, Professor*

*Bukovina State Medical University*

*Chernivtsi, Ukraine*

**Introduction.** The main task of higher medical education in Ukraine is to bring it closer to European standards, which would be the basis for the employment of medical workers and students abroad. One of the means of such development is innovative technologies, that is, new ways and methods of interaction between teachers and students, which ensure the effective achievement of the results of pedagogical activity.

**Aim.** To analyze the data of the examination «STEP-1» and evaluate the effectiveness of student learning.

**Material and methods.** For the goals set, a number of research methods were used, namely: bibliographic and bibliosemantic.

**Results.** In our time, there are practically unfinished problems of forecasting in the management of lighting, medical care. Information about the current success rate of students in medical universities from primary disciplines is the main thing for compiling forecasts about the results of compiling the sovereign licensed integrated hospital «Krok-1», and new information technologies i that interactive method and increase the motivation of students in the preparation to the new.

The purpose of the licensing exam «Step-1» is to establish the conformity of the professional knowledge and skills of students with the minimum required level of qualification in accordance with the requirements of state standards of higher education. In order to