

**VOCATIONAL GUIDANCE WORK OF THE STAFF OF THE DEPARTMENT OF HISTOLOGY,
CYTOLOGY AND EMBRYOLOGY OF POLTAVA STATE MEDICAL UNIVERSITY
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Today, high school students face the difficult choosing task among a wide professions variety that correspond to their preferences, abilities, character traits. One of the teacher's work areas and practical psychologists is career guidance, which requires the innovative career guidance introduction of tools that are based on modern psychology, taking into account the needs, motives of both the individual and the requirements of society. On the one hand, career guidance work is designed to develop to develop a professional interest in a younger generation, positive motives for choice, on the other – to identify psychological and physiological characteristics required by a particular job. Various career guidance projects are being created, which are designed to unite educational institutions and employers, which will be the basis for the formation of a systematic personnel reserve need to prepare young people for conscious professional choice. The staff of the Department of Histology, Cytology, and Embryology actively participated in career guidance activities for schools, lyceums, and gymnasiums students of Poltava and have welcomed them during the autumn and spring semesters hospitably. The work was aimed at acquainting high school students with the basic requirements for the personality, that the profession of "doctor" puts forward at the present stage and the peculiarities of its mastery. Interested young people have received meaningful and useful information about the peculiarities of the study at the microscopic level of human body cells and tissues and the importance of mastering such a basic medical discipline as histology.

Key words: *career guidance work, high school students, Department of Histology, Cytology and Embryology.*

Introduction. Modern socio-economic conditions require the students of the Poltava region the ability to make decisions about professional determination independently and consciously, choice and are responsible for them. The task of developing these qualities more relies on the education system, which, in its turn, involves the psychological readiness of social educators and practical psychologists for career guidance, requires the introduction of innovative career guidance tools developed based on modern psychology, taking into account individual needs and motives, and the requirements of society [1].

So, recently the topic of vocational guidance for high school students has become extremely relevant, as along with the existing factors of difficulty in determining the population professional affiliation, there are other ones, including the appearance of many new professions, the purpose of which is not always clear for the ordinary citizen, increasing the stringency of require-

ments for certain position applicants, which is caused by fairly tough competition [2].

The Ministry of Education and Science has started systematic career guidance among schoolchildren for the first time in the last 30 years. It was the national career guidance project – "Choose the profession of your dreams". This is an innovative project of international level, analogs of which have already existed in the United States, Germany, and France, where students may choose a future profession consciously [3]. This direction has become one of the priorities for the Ministry in 2021, as according to official statistics, more than 50% of Ukrainians work outside their profession, sometimes looking for the profession of their dreams for all their life currently. Besides, this year's start is a social elevator that connects educational establishments and employers, which will be the basis for the formation of the personnel reserves of the Ukraine system [3].

The Department of Histology, Cytology and Embryology has supported the initiative, participated in this project actively, and began career guidance activities for secondary school, lyceums, and gymnasiums students of Poltava and welcomed students during the autumn and spring semesters hospitably.

The task of career guidance work is to determine what profession is the most suitable for Poltava region students. It should be considered as one of the most important professional technologies. As it aims the personality professionalization, contributes to both humanization and technologicalization of professional choices [4]. The starting point of this approach is the personality that chooses a profession. In this case, it is aimed at profession choose that best suits a particular person, following her/his interests, abilities, and capabilities.

Career guidance projects provide an opportunity to inform the younger generation in more detail about the peculiarities of high-quality training of highly qualified medical professionals, namely their training in a higher medical establishment. This approach to choosing the type of activity that arouses students' interest encourages them to choose a profession consciously following their abilities and interests, taking into account the needs of society in professional staff.

Career guidance work has traditionally played an important role in the lives of high school students, as it connects the education system and the economic system of the country, connects students' present with their future. So secondary education should not only provide subject training but also create favorable conditions for the student's professional self-determination [5].

The successful professional choice is one of the main components of personality development, awareness of its importance in society. Therefore, the issue of pur-



Figure 1 – Demonstration by the Department head of cells and tissues models made by students-members of the scientific circle.

poseful influence on the process of professional self-determination of high school students is relevant [6].

The work aimed to inform professionally high school students to ensure their successful self-determination in future profession choosing.

Main part. Optimal conditions for the formation of students' understanding of the importance and the first step responsibility to choosing a future profession that would meet the interests, aptitudes, and individual abilities were created by the staff of the Department of Histology, Cytology and Embryology.

Career guidance work at the department was conducted in the form of excursions in Ukrainian and English. It was contributed to the activity development, creativity, self-education of the professionally important qualities. Meetings and talks were held with the head and teachers of the Department of Histology, Cytology and Embryology participation.

The department staff had a task to familiarize high school students in detail with the peculiarities of studying the microscopic level of human body cells and tissues, to emphasize the importance of mastering such a fundamental discipline as histology. It lays the foundation for the future doctor's professional knowledge and skills.

The acquaintance with the department was taken place from a comfortable hall with a green corner. The head of the department has drawn attention to the models of human organs cells and tissues which were



Figure 3 – Drawing the cardiovascular system structural elements to the workshop.



Figure 2 – Demonstration to school students of the workshop (compendium) for students.

made by the students. They are used in practical classes for better mastering of theoretical material actively. Students have the opportunity to watch scientific videos on histological topics and re-read test tasks with the help of a plasma TV (**fig. 1**).

The young people have visited the department classrooms, which are equipped with modern equipment (multimedia projectors, plasma TVs, microscopes with video cameras) during the excursions. This equipment allows students to qualitatively project micropreparations images on the multimedia projector screen or TV. Thus, the practical part of the lesson is implemented and it provides an opportunity to acquire skills and abilities are provided by the program, and consolidate them by drawing an image to the album workshop (**fig. 2, fig. 3**).

The student should be able to diagnose histological preparations, determine the structural components of tissues and organs during the practical classes. It was made a significant impression and interested the students especially.

High school students have visited four computer classes of the department, which are connected to the Internet. Their modern equipment allows virtual communication with students, that can be used by department staff during distance learning actively. Students have the opportunity to take a test using the program "Irene" to determine the initial level of knowledge at the practical lesson. It calculates the percentage of correct answers automatically and evaluates the result. It



Figure 4 – Testing students of the International faculty in a practical lesson.

helps the department teachers to carry out an objective test of each student's knowledge. Active students have expressed a desire to try to pass the test during the excursion. It was interesting for everyone (fig. 4).

One of the education forms for acquirement students with theoretical material is lectures, which are held in the form of multimedia presentations containing drawings, diagrams, tables, images of histological preparations. This technique enriches the lesson with illustrative material, provides an opportunity to discuss certain aspects of the lecture material, to consolidate the basic concepts, classifications, and features of the tissues and organs histological structure. This approach of interaction increases the level of knowledge acquisition by students significantly [7].

During the excursion, high school students were shown diplomas and certificates of department students, who have participated in various scientific student congresses, conferences, and competitions.

Students' understanding and interest in histology as fundamental science, which is a theoretical basis for other medical disciplines, allows them to have their point of view on phenomena and processes occurring in the human body, promotes clinical thinking, and the ability to make informed decisions. future clinical practice.

High school students have realized that in the medical establishment it is possible to combine education with research activities, which opens wide prospects for the professional growth of a clinician-scientist.

Conclusions. Thus, the modern career guidance work of the department is part of an educational process holistic system and aims to prepare students for a conscious professional choice, independent living, ability to professional self-improvement, create a favorable atmosphere to encourage cooperation and activity in working life.

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ПРОФОРІЕНТАЦІЙНА РОБОТА СПІВРОБІТНИКІВ КАФЕДРИ ГІСТОЛОГІЇ, ЦИТОЛОГІЇ ТА ЕМБРІОЛОГІЇ ПОЛТАВСЬКОГО ДЕРЖАВНОГО МЕДИЧНОГО УНІВЕРСИТЕТУ

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Резюме. Останнім часом тема професійної орієнтації для старшокласників набуває надзвичайної актуальності, оскільки поряд із вже існуючими факторами утруднення визначення професійної належності населення з'являються й інші, серед яких, зокрема, поява великої кількості нових професій, призначення яких не завжди є зрозумілим для пересічного громадянина, підвищення жорсткості вимог до претендентів на певну посаду, що спричинене досить жорсткою конкуренцією.

Профорієнтаційні проекти дають змогу більш детально інформувати підростаюче покоління щодо особливостей якісної підготовки висококваліфікованих спеціалістів-медиків, а саме їх навчанням у вищому медичному закладі. Такий підхід до вибору роду діяльності викликає у школярів зацікавленість, спонукає до свідомого вибору професії відповідно до власних здібностей та інтересів з урахуванням потреб суспільства в кадрах.

Колективом кафедри гістології, цитології та ембріології були створені оптимальні умови для формування в учнівської молоді розуміння важливості і відповідальності здійснення першого кроку до вибору майбутньої професії, яка б відповідала інтересам, схильностям та здібностям особистості.

Старшокласники змогли відчувати себе на місці студентів-медиків. Вони отримали змістовну та корисну інформацію щодо особливостей форм навчання на кафедрі, вимог, які висуваються перед здобувачем вищої медичної освіти. Увага школярів була акцентована на важливості опанування такої фундаментальної дисципліни, як гістологія, яка закладає фундамент професійних знань та навичок майбутніх лікарів. Навчання буде цікавим та корисним у разі поєднання його з науково-дослідницькою діяльністю.

Сучасна профорієнтаційна робота кафедри гістології, цитології та ембріології є складовою частиною цілісної системи освітнього процесу та спрямована на підготовку молоді до свідомого вибору професії, до самостійного життя, здатності до професійного самовдосконалення, створення сприятливої атмосфери для заохочення до співпраці та активності в трудовому житті.

Ключові слова: профорієнтаційна робота, старшокласники, кафедра гістології, цитології та ембріології.

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Abstract. Recently, the topic of vocational guidance for high school students has become extremely relevant. Along with the already existing factors that make it difficult to determine the professional affiliation of the population, others appear, among which, in particular, the emergence of a large number of new professions, the purpose of which is not always clear to an ordinary citizen, increased requirements for applicants for a certain position, which is caused by quite tough competition.

Career guidance projects make it possible to inform the younger generation in more detail about the features of the high-quality training of highly qualified medical specialists, namely their training in a higher medical institution. Such an approach to choosing the type of activity arouses interest among schoolchildren, encourages them to consciously choose a profession in accordance with their own abilities and interests, taking into account the needs of society in personnel.

The staff of the Department of Histology, Cytology and Embryology created optimal conditions for the formation of an understanding among schoolchildren of the importance and responsibility of taking the first step towards choosing a future profession that meets the interests, inclinations and abilities of the individual.

High school students were able to feel in the place of medical students. They received meaningful and useful information about the peculiarities of forms of education at the department, the requirements for the applicant of higher medical education. The students' attention was focused on the importance of mastering such a fundamental discipline as histology, which lays the foundation of professional knowledge and skills of future doctors. Training will be interesting and useful if combined with research activities.

Modern career guidance work of the Department of Histology, Cytology and Embryology is part of the educational process and aims to prepare young people for conscious choice of profession, independent living, ability to professional self-improvement, creating a favorable atmosphere to encourage cooperation and activity in working life.

Key words: career guidance work, high school students, Department of Histology, Cytology and Embryology.

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