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INNOVATIVE TECHNOLOGIES IN SCIENCE AND PRACTICE

**INDEPENDENT WORK OF STUDENTS AS A
NECESSARY ELEMENT OF EDUCATION AT THE
UNIVERSITY**

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In recent decades, the amount of knowledge that a student must acquire during the period of study at a medical university has increased dramatically. In this regard, the training of highly qualified specialists, competitive in the labor market, as well as capable of competent, responsible and effective activities in their specialty is impossible without increasing the role of students' independent work aimed at stimulating their professional growth and fostering their creative activity [1].

But it should be understood that independent work of medical students is impossible without its streamlining and systemic organization. Therefore, the most important task of the teaching staff is the ability to properly organize and control the independent learning of students for the full mastery of the latest professional competencies [2].

Independent work at a medical university includes:

- preparation for classroom studies and performance of related tasks;
- independent work of students on certain topics of the discipline; preparation for practices and completing assignments for them;
- mastering practical skills;
- writing of case histories;
- performance of control works;
- preparation for tests and exams;
- work in student scientific circles, participation in scientific and practical conferences, scientific seminars, master classes, etc.

The specificity of the organization of independent work of students is determined by the structure, nature and characteristics of the studied discipline, the amount of hours for its study, the type of tasks for independent study, the individual qualities of students and the conditions of educational and professional activity [3].

In Zaporizhzhia State Medical University (ZSMU) there are several types of independent work:

1) work on the instructions of the teacher, performed without his participation (preparation of abstracts, presentations, projects, etc.);

2) work performed independently under the supervision of a teacher (for example, writing patient histories, practicing practical skills and abilities, performing certain laboratory work in practical classes);

3) work performed independently, but with the possibility of receiving a group or individual advice from a teacher (preparation for final classes, discipline exams, mastering knowledge in studying elective courses, as well as preparation for state

licensed integrated examinations in medicine: KROK-1, KROK -2, KROK-3, KROK-B, IFOM (International Foundations of Medicine) and so on).

Through self-education, you can form the necessary professional qualities of a doctor, as well as purposefully determine the area of your further scientific and practical activities. But when performing independent work, medical students may have difficulties in mastering the practical skills of medical practice. In order to overcome such difficulties, students assign a leading role not only to their own efforts and perseverance, but also to the help of teachers [4].

Therefore, our students can receive advice both from their teacher individually and from other teachers 2 times a week at a certain time indicated in a special schedule approved by the head of the department and deans of faculties.

ZSMU pays special attention to the introduction of distance learning. For many years now, our university has confidently taken the lead among other universities in distance learning methods [5]. It still began in the early 2000s with the introduction of distance learning forms for independent work. First, the automated training system RATOS® was created, in 2005, on the basis of the Department of Medical and Pharmaceutical Informatics and Latest Technologies (MFI and LT), the Center for Distance Education and Telemedicine was opened, and a single platform was created with electronic learning resources of all departments - an up-to-date collection of information and educational and methodological tools necessary for mastering the curriculum, and in 2016 the introduction of online elective courses and independent work courses on the modern LMS edX platform began [2].

It should also be said about the significant role of the ZSMU library. Today, students have at their disposal not only 4 subscription departments, 6 reading rooms, a computer reading room with automated workstations. Free access for users to their own and remote electronic information resources is organized, additional services are provided: photocopying, scanning, printing. There is also free access to the Internet via Wi-Fi. In 2020, a new multipurpose educational and scientific center with a library was created, it was equipped with virtual reality systems, a powerful video projector, and computer equipment. The staff of the Library makes every effort to create a modern informational, bibliographic and library center on the basis of the Library, which meets the highest requirements of modernity [6].

The use of information technologies in the educational process in our university significantly expands the possibilities of learning, helps to create comfortable conditions when students have the opportunity to study theoretical material and master practical skills at any time. Students, in turn, must clearly plan and organize their self-education and conduct a systematic self-control of their own learning activities.

However, it should be remembered that one of the important motivating factors for effective independent work is the control of its implementation by teachers. Therefore, the results of the independent work of our students are necessarily evaluated and are an integral part of the student's overall assessment in the discipline. And independent work of students in preparation for state licensed integrated exams in medicine: KROK-1, KROK-2, KROK-3, KROK-B, IFOM, is carried out in the form of writing trial exams. According to the results of which the rating assessment is carried out and the students who showed the worst results fall into the risk group. In the future,

additional consultations are held with such students, after which students again take mock exams.

Also, one should not forget that in the modern educational process, teachers should also actively engage in self-education: strive for constant professional growth, actively participate in innovative processes in the field of medicine and education, own modern information technologies and programs, improve the forms and methods of the educational process, participate in scientific research work. After all, it is teachers who should be an example for students.

The management of our university remembers this, therefore, it constantly organizes educational trainings, seminars, field and university advanced training courses, internships for doctors, scientific and practical conferences, and so on.

This year, in the published international rating of higher educational institutions Multirank (U-Multirank), the achievements of Zaporizhzhya second-hand medical university were highly appreciated. In two nominations of the rating - "Joint publications with industrial partners" and "Innovative forms of assessment" - ZSMU entered the TOP-25 universities of the world!

It should be noted that the Multirank rating (U-Multirank) is multidimensional and is aimed at students to help them choose an institution for study, taking into account objective indicators. As part of the ranking, universities are focused on five areas:

- teaching and learning;
- study;
- knowledge transfer;
- international orientation;
- regional influence.

This year the rating assessed 1948 universities from 97 countries of the world, including 79 Ukrainian ones.

Thus, independent work is an integral part of university studies. Properly organized independent work allows the student to acquire the skills of self-organization, self-control, develop clinical thinking and professional competencies necessary for the practice of a doctor.

References:

1. Корнієвська В.Г. Організація самостійної роботи студентів при вивченні фармацевтичної ботаніки. *Запоріжський медичний журнал*. 2013. №2. С. 116-118.
2. Volkova Yu. Distance learning at the Zaporizhia Medical University. *VI International Scientific and Practical Conference: abstracts of conference materials*. Milan, Italy, October 26-30, 2020. P. 277-281.
3. Светонослова Л.Г. Виды и принципы организации самостоятельной работы студентов педагогического вуза. *Вестник Шадринского государственного педагогического университета*, 2017. №1 (33). С. 59-64.
4. Коновалова С.В. Самостоятельная работа как средство познавательной активности студентов медицинского вуза. *Сибирский педагогический журнал*. 2010. №10. С. 39-48.

5. Університет сьогодні. Новини // Запорізький державний медичний університет: [офіц. сайт]. URL: http://zsmu.edu.ua/new_2435.html (дата звернення: 23.10.2021).

6. Університет сьогодні. Бібліотека // Запорізький державний медичний університет: [офіц. сайт]. URL: http://zsmu.edu.ua/p_134.html (дата звернення: 22.10.2021).

7. Університет сьогодні. Новини // Запорізький державний медичний університет: [офіц. сайт]. URL: http://zsmu.edu.ua/new_3443.html (дата звернення: 23.10.2021).