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INTERNSHIP OF FOREIGN STUDENTS

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The students' industrial practice is an integral part of the main educational program of higher professional education in the training of highly qualified specialists. The purpose of the practice is to test and consolidate the knowledge gained in the study of basic clinical and theoretical disciplines, further deepening and improving the practical skills acquired at the academy.

Key words: practical training, international students, hospital.

In the context of Russia's inclusion in the world educational space, the growth of exports of education, the increase in the share of foreign students, the digital transformation of education, special attention is paid to practice-oriented learning of students, the design of higher education programs taking into account the requirements of professional standards, and the planning of learning outcomes as professional competencies that allow the implementation of labor functions.

An important stage of learning is the production practice, which is a boundary object, turned by one side into the educational process, and the other into real professional activity.

When organizing stationary practice for students from among foreign citizens studying using an intermediary language (English), a dispersed form of practice is used under the guidance of a teacher who knows a foreign language at the level of free communication. This contributes to individual learning of skills and abilities, explanation of the algorithm of the procedure in a form and language understandable to the student.

Foreign students traveling for internship outside the Russian Federation, 2 months before the start of the practice, receive forms of documents in the practice department (agreement, passport of a medical organization, application), 1 month before the start of the practice, they provide the completed documents to the practice department (bilateral agreement on practice of students, passport of a medical organization (practice base), an application signed by the vice-rector for academic affairs, dean of the faculty, head of the practice department).

According to organizations, foreign students show good knowledge and demonstrate the correct algorithms for performing manipulations, which allows the hospital administration to assign students to work as post and procedural nurses of clinics.

Before the internship, all foreign students work out their skills in the simulation center. Simulation training has a number of advantages over traditional forms of training. When it is performed, the development of manual skills is carried out without risk for the patient with an unlimited number of repetitions, which makes it possible to work out the methodology for providing medical care in emergency and life-threatening conditions individually, and at the same time allows you to develop team interaction. After simulation training, the student is allowed to work in the treatment room, dressing room. The development of the analytical skill is carried out at the bedside with the active participation of the head of practice assigned to a group of foreign students. Students from among foreign citizens who study using the intermediary language (English) during the internship at the workplace are instructed on the rules of

fire safety, labor protection, safety and sanitary and epidemiological rules and hygiene standards, comply with the rules of labor protection and internal regulations, as well as safety and industrial sanitation, operating in a medical organization, carry out an internship program and individual tasks, participate in research work under the guidance of a university and (or) basic practice supervisor or at their own request, as well as in thematic scientific and practical conferences in medical organizations, participate in outreach work among the population and public life of the staff of the medical organization, keep a diary of practice with a daily reflection of the content and volume of work performed

Foreign citizens-graduates of a medical university, regardless of the specialty they receive, must have the necessary competencies in the field of preventive medicine, carrying out preventive and anti-epidemiological measures aimed at preventing the occurrence of an infectious pathology characteristic of the countries that sent them to study in Russia.

In this regard, a special role in the training of future clinicians is assigned to the study of epidemiology during research work, which contributes to the acquisition of population thinking skills.

As evidenced by the experience of conducting independent educational and research work, this form of training contributes to the acquisition of in-depth knowledge and practical skills of the epidemiological approach to the study of actual types of pathology in the region of residence among various population groups, which will allow future clinical specialists to carry out reasonable preventive and anti-epidemic measures based on autopsy causal relationships.

At the end of the practice, students from among foreign citizens studying using an intermediary language (English) draw up a written report with digital data and submit it to the head of the university along with a diary signed by the base head of the practice. At the end of the internship, the head of the medical organization (on the recommendation of the base head of the practice) gives a description to the student, which reflects the level of theoretical training, mastery of practical skills in accordance with the requirements, compliance with the principles of medical ethics, attitude to work and participation in the public life of the team, in research and outreach, implementation of the practice program. The results of the internship are evaluated through an intermediate certification. The practice ends with the defense of the practice report, which is an intermediate certification of students.

Thus, industrial practice becomes the core basis of the educational process at the university. The learning process in specialized large clinics acquires a new meaning, turning into a process of learning into a process of acquiring knowledge, skills and experience in order to achieve professional socially significant competencies, encourages striving to deepen knowledge, forms analytical, predictive and communication skills, stimulates the need in improving their professional competence and intellectual independence.

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FUNDAMENTALS OF MOLECULAR GENETICS IN STUDYING THE COURSE OF BIOLOGY TO FOREIGN STUDENTS

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Molecular genetics being a branch of genetics that studies the mechanisms of heredity and variability at the molecular level, is currently a complex science that permeates many branches of biology. It is being adopted by a growing circle of researchers and often serves as the methodological basis for many sections of modern biology and medicine.

The discipline Biology refers to the basic part of the professional cycle in the direction of preparation "Medicine" for students of the 1st year. The section "Fundamentals of Molecular Genetics" covers a number of issues related to the structure and properties of the main biopolymers of a living cell, methods for their study, and the processes of expression of genetic information in which they are involved. Within the framework of this section, the basics of heredity and variability of living beings are studied by studying the transmission processes occurring at the subcellular, molecular level, the method of storing, implementing and changing genetic information.

The content of the section included a number of issues, such as the structure and functions of nucleic acids (DNA and RNA), the genetic code and its properties, the Central dogma of molecular biology, the patterns of structural and functional organization of genes in prokaryotes and eukaryotes, the processes of regulation of gene expression, the stages of protein biosynthesis. Practical classes widely use digital technologies (for example, the ROCH computer program, watching videos from Internet resources, testing on the TEAMS platform), as well as traditional illustrative material in the form of drawings on the board, posters, diagrams, and photographs. This greatly helps in the formation of students' knowledge of molecular genetics.

The section "Fundamentals of Molecular Genetics" is included in the second part of the course "Genetics", so it should lay the foundation for understanding the molecular patterns of classical heredity and variability. We are talking about the laws of G. Mendel - the laws of independent inheritance of traits, and the laws of T. Morgan - the laws of linked inheritance. In addition, the processes of formation of genetic variability, the methods of anthropogenetics cannot be understood without fundamental knowledge of molecular genetics.

The modern possibilities of digital technologies are especially indispensable when conducting distance learning with foreign students. Consideration of the processes of transcription and translation, which are difficult to understand, during which hereditary information is rewritten to informational (matrix) RNA and protein is synthesized, as well as the solution of typical and situational problems in molecular genetics, became possible on the MC Teams platform thanks to the use of a joint board. This gave students the opportunity to prescribe the course of solving a particular problem under the supervision of a teacher. It should be noted that during the practical lesson, there may be tasks performed by students, homework, as well as intermediate tests with multiple choice answers or with an open answer to a