

**ADVANTAGES OF USING INTERACTIVE METHODS IN MEDICAL BIOLOGY  
LESSONS AT MEDICAL HIGHER EDUCATION INSTITUTIONS****Sharipova Farida Salimjonovna**

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**Abstract.** This article describes the interactive methods of teaching medical biology in higher medical educational institutions, the conditions of educational development, the process, essence, nature, development possibilities of using educational technologies.

**Key words:** interactive methods, educational technologies, innovative development, module, creative activity, independent education, skills, integration, continuity.

The essence of using information technologies in the course of the lesson is to educate the students to become fully mature individuals. Today, the interest and attention to increase the effectiveness of education using interactive methods, innovative pedagogy and information technologies in the educational process is growing day by day.

Classes using modern technologies are aimed at making students, students, and listeners search for their own knowledge, independently study and analyze it, and even draw their own conclusions. In the National Program of Personnel Training, special emphasis is placed on improving the professional skills of teachers and trainers working in the continuous education system, equipping them with advanced pedagogical technologies and modern information technologies.

In the Regulation "On qualification requirements for leaders, pedagogues and engineer-pedagogues of secondary special and vocational education institutions" approved by the Ministry of Higher and Secondary Special Education on November 16, 2001 It is defined as the job duties of the teacher to widely use effective methods, tools and forms of teaching, new pedagogical technologies in the educational process. The teaching skills of educators in the state requirements for the training of pedagogues given in the decision of the Cabinet of Ministers of the Republic of Uzbekistan dated February 16, 2006 No. It is defined by the requirement "... mastery of new pedagogical and information technologies...".

In the current period, the pedagogic personnel of the secondary special, vocational education system in the republic's professional development and retraining institutions have improved their skills and acquired new knowledge on the use of advanced pedagogical technologies, including interactive methods, they are conducting the educational process based on their skills and qualifications. Such an educational process gives students the opportunity to achieve high efficiency through independent thinking, increased activity level, creative approach to tasks.

In the course of the lesson, imparting new knowledge should be done in the first 20 minutes of the theoretical lesson. After that, it is necessary to strengthen the knowledge of learners by implementing discussion, working in small groups, designing, research and other similar interactive methods. In any case, the lecture time during the theoretical lesson should not exceed approximately 20 minutes. Because the first 20 minutes of learning are the most effective, and after 20 minutes the motivation to continue learning begins to decrease. Therefore, in order to maintain and increase the activity and interest of learners, it is appropriate to use interactive methods at the stages of repeating or strengthening the topic.

The more sensory channels are used during perception, the higher the quantity and quality of the remembered information. If the information is given only through lectures, then after 3 days only 25% of it can be remembered. If the information is given through lectures, demonstrations and demonstrations, practical assignments and debates and discussions, then 75% can be recalled after 3 days. If several sensory channels are used together in the perception of knowledge, the process of transferring information from short memory to long memory is accelerated, which is the basis of cognition. The following rule follows from the above information:

➤ It is necessary to effectively use interactive methods and audio-visual tools in the preparation of the educational situation. Then many sensory channels are involved at once..

➤ There should always be an opportunity to discuss the educational material. Roundtable discussions and group discussions are recommended, as these methods involve learners in activities.

The above data show that when traditional methods are used in the course of the lesson, the highest level of information recall of learners is 30%.

By enriching it with various methods that increase the activity of learners while preserving the traditional form of the lesson, it leads to an increase in the level of learning of learners. For this, the lesson process should be organized rationally, the teacher should increase the interest of the learners, their activity should be constantly encouraged, the educational material should be divided into small parts, and various activating methods should be used to reveal their content. It is required to be directed to independent performance of practical exercises. These methods are called "interactive methods".

Interactive methods are understood as methods that activate students, encourage independent thinking, and make the student the center of the educational process. In using such methods, the teacher invites the learners to actively participate.

Learners are involved throughout the process. Interactive methods include brainstorming, working in small groups, problem situations, guided text, flashcards, role-playing, business games, and other similar methods. The advantages of using interactive methods are as follows:

- leads to good mastering of teaching content;
- provision of timely feedback;
- high level of motivation;
- good recollection of the learned material;
- improvement of communication skills;
- growth of self-esteem;
- helps to form a learner who can think independently; not only helps to master the content, but also the development of critical and logical thinking. The purpose of any education is to form knowledge and skills and abilities to apply it in practice, as well as necessary personal qualities.

As long as all components of the goal are realized in the course of educational activities, it is necessary to use different methods together. Therefore, the most important factor in choosing a method is the didactic task of training. The choice of interactive methods depends not only on the educational purpose, but also on the content of the educational material and the complexity of the subject.

In addition, the choice of methods depends on the number of learners, their educational opportunities, the duration of education, educational and material conditions, and the skills of the teacher. When choosing interactive methods, it is very important to take into account the learning capabilities of learners. At the same time, the teacher's ability to choose the right methods also shows the level of his methodological competence. Correctly selected combined methods provide an opportunity for the learner to fully master the subject, increase his level of logical and creative thinking.

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