



## THE EFFECTIVENESS OF THE USE OF INTERACTIVE METHODS IN TEACHING THE DEPARTMENT OF HUMAN ANATOMY IN THE DEPARTMENT OF OSTEOLOGY IN HIGHER EDUCATION

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### Annotation

At present, modern teaching methods are widely used in education. The use of modern teaching methods leads to high efficiency in the teaching process. The purpose of the article is to provide some recommendations for improving the effectiveness of education, the development of education through interactive methods and tools to achieve high efficiency in the teaching of human anatomy in higher education.

**Keywords:** Osteology, "Who will defend", "Quick answer to the question", "Networks (Cluster)", "Brainstorming", "Keep the text", "Fan", "Domino", "Digital dictation".

### Introduction

The fulfillment of the tasks set by the Government of the Republic of Uzbekistan in the field of higher education largely depends on the personality of the teacher [Mirziyoyev, 2017: 47]. Teaching is an honorable but very difficult profession. In the transition to a market economy, the teacher is responsible for achieving the goals of education, organizing a variety of activities for students, raising them to be educated, polite, faithful, hardworking, enterprising, well-rounded people. The future of our people, the future of Uzbekistan in many respects depends on the teacher, his level, readiness, dedication, attitude to the work of teaching and educating the younger generation. It is not enough to have a pedagogical theory to be a good teacher. Because pedagogical theory describes the general rules, principles, generalized methodological ideas about teaching and educating children, emphasizes the need to take into account the age and individual characteristics of students [Mirziyoyev, 2017: 485]. University life and the practical pedagogical process are very diverse and complex. There are many situations that do not correspond to pedagogical theory. This requires a teacher with extensive knowledge, thorough practical training and high pedagogical skills and





creativity. To be a true master of a profession, a person must have natural abilities, certain physical and mental qualities, careful preparation, and some personal qualities. A person who chooses the profession of pedagogy must first of all be healthy, be able to pronounce words correctly and well, be calm and nervous, and be able to behave in dealing with others. The teacher must also have personal qualities such as liking students, willingness to work with them, politeness, observation, open-mindedness, organization, demanding of himself and others [Alex Moore, 2012: 202]. The state policy in the field of personnel training provides for the formation of a comprehensively developed personality through a system of continuous education, which is inextricably linked with the intellectual and spiritual and moral upbringing of the person. The main task of the process of continuing education is to develop the need for education, as well as basic educational, scientific and cultural knowledge, spiritual and moral qualities based on national and universal values, creative thinking, skills of conscious attitude to the environment. defined as.

The main goal of the higher education system is to train a leading specialist in all fields, to develop his creative, mental and physical abilities, and to bring up a morally active citizen. One of the main tasks in the system of higher education is to radically change the process of education in accordance with modern requirements through the introduction of innovative pedagogical methods and information and communication technologies (ICT) in the educational process. creation of methodological systems of the taught disciplines. At present, much attention is paid to the use of interactive pedagogical technologies in the educational process on the basis of continuity and continuity, because the interactive type of education from preschool to higher education includes independent thinking and rapid activity. serves to find. The use of interactive methods of teaching at each stage, taking into account the specific psychological characteristics of the student, the way of thinking, taking into account the specifics of a particular student audience, requires great pedagogical skills from the teacher.

In particular:

- "Who will defend";
- "Quick question - quick answer";
- "Networks (Clusters)";
- "Brainstorming";
- "Continue the text";
- "Fan";
- Dominoes;





- Techniques such as "digital dictation" are also used successfully in higher education, and their use in the classroom increases students' interest in the subject.

The teacher must be able to apply the complex elements of teaching technology wisely according to the needs and requirements of the student. Every educator should always keep in mind that all the processes of modern education should be focused on students' analysis, independent thinking and creativity. Therefore, there is a growing interest in the use of interactive methods and innovative pedagogical technologies in education. These methods teach students to search for ready-made knowledge, to study it independently, to analyze it, and to draw their own conclusions. In this process, conditions are created for the development, formation, acquisition and upbringing of the individual, the student becomes the main executor of the learning process. Interactive methods are teacher-student and student interactions. In this process, the teacher acts as the organizer, leader and supervisor of the training.

At the same time, the student should feel free in the classroom, the educational activity should be emotionally satisfying, so that he can express himself freely.

Students majoring in biology in the higher education system must master the basic sciences of biology, including the science of human anatomy, which is one of the most important disciplines for students of biology.

Human anatomy is the shape of the human body, its structure, its a science that studies the process of development, the differences between each organ in terms of sex and age, as well as the impact of the environment on the structure and function of organs.

The Osteology Department of Human Anatomy is a section on human bones.

Osteology is a field of science that is responsible for studying bones, especially their structure and function. The term is derived from the Greek roots *osteo*, meaning "bone" and *logos*, which means "knowledge" or "science".

There are a number of interactive methods that are widely used in higher education, and the choice of method depends on the subject being taught and the purpose of the lesson.

"Who will defend?" is one of the methodological methods. If there are 24 students in the group, they will be divided into four small groups. When working in groups, a talented, excellent, active student comes out on behalf of the group to defend or respond, and the rest of the students remain in its shelter, but according to the rules of group work, all students should be given points for group response. The student who is ready to answer has nothing to do with the loser, and to prevent this, the winner will be determined by drawing lots. To do this, write "Answer" on one of the small pieces of paper, leaving the rest blank. When it is not clear who will defend in the



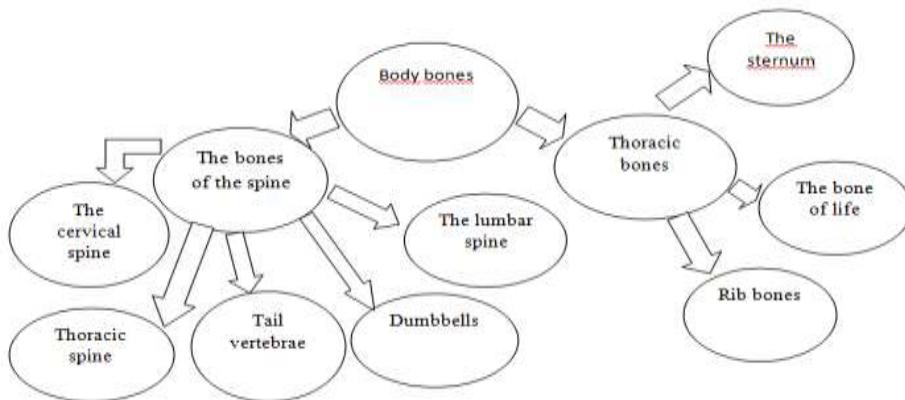


group, all students try to be equally active. Also, in order to increase the responsibility of the students, in some cases, the selection of the responsible student may be left to the representatives of the neighboring group, as the members of the opposing group try to select the vacant students in the neighboring group.

The "brainstorming" method is used to solve more problematic situations. This method encourages students to be active, for example: Dear students, what do you think we will learn in the course of Human Anatomy? There may be different answers to the question, and all students will be heard. The teacher gives his / her analytical opinion and helps the students to draw the right conclusions, the students' opinions are not criticized. The task of a mental attack is to draw everyone's attention to one topic, to enable and activate them to delve deeper into that topic. Encourage students to take part in the lesson, listen to their opinions, say "Thank you", "Barakalla", "What other ideas do you have?" encouraging all students with words of encouragement.

The "quick question - quick answer" method is also a convenient method to use in human anatomy classes. Its advantage is that it takes less time. When using this method, the teacher reads the questions in order. Students write the sequence number and answer. For example: Teacher (oral): 1) What is osteology? - Student (in writing): 1) A branch of anatomy that studies human bones is called osteology. If students do not know the answer and cannot write it, they put a minus (-) sign on the sequence number. The teacher then reads the correct answers, and the students independently review and evaluate their work. Trusting students, giving them freedom, and at the same time controlling them, instills in them the qualities of fairness and honesty.

In the "Cluster" method, in-depth study of a topic, first of all, serves to accelerate and increase the thinking activity of students. The aim of this method is to reinforce, master and generalize the topic, and to draw students' ideas on the topic on the basis of diagrams. For example, a cluster is drawn based on a text on the topic of Body Bones.





Summing up all the above-mentioned methodological technologies, it can be said that when teaching using interactive methods, there will be no backward students in the group. Almost all students are involved in the lesson process and their interest in the lesson increases. Such classes help students to deepen their knowledge of independent learning, especially to improve the thinking skills of group students.

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