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## TEACHING "MICROBIOLOGY FOR 2ND YEAR DENTAL FACULTIES" AND INTERACTIVE METHODS

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**Annotation:** Teaching is a very complex process. This was the first time that attention was drawn to the change in the subject as "Microbiology for medical students" is a relatively old one and at the Department of Microbiology we have been teaching it for many years. It was decided to immediately introduce interactive methods in teaching, as they are among the innovations in the educational process. All countries strive to introduce as much innovation into education as possible. Innovation is considered to be a long-term investment in the future. In order to instill a taste for innovation and to foster an individual who will strive to create innovations, education itself must be imbued with innovation and a spirit and atmosphere of creativity must prevail. Many of the major methodological innovations today are related to the use of interactive teaching methods, in which teacher-student, student-student, and computer interaction take place.

**Keywords:** Microbiology, students, education, medicine

**Relevance:** The world is knowable, and human knowledge, verified by practice, provides an objectively correct picture of the world. A person only possesses real and effective knowledge when his brain reflects a clear picture of the external world. Practice - the criterion of truth. Scientists have defined the necessary conditions for good education as follows: timeliness, gradualness, organ city, consistency, firm assimilation, clarity, self-activity of students, the absence of excessive tension and excessive ease, correctness. The principles of education, he also attributed: 1) consciousness and activity of learning; 2) clarity; 3) consistency; 4) strength of knowledge and skills. Numerous attempts to develop a system of learning principles in the works of researchers of modern times. Their analysis allows us to distinguish the following principles as fundamental and generally accepted:

- consciousness and activity;
- clarity;
- consistency and coherence;
- durability;
- scientificity;
- accessibility;

- the link between theory and practice.

These principles constitute a system of principles for effective learning.

**Purpose of the study:** To introduce the subject of Microbiology to second year medical students by applying interactive methods in teaching

**Materials and research methods:** In the Department of Microbiology, various business games are used in practical classes, but for our course, we think it is particularly important to use the "three-step interview method" technology in acquiring practical skills.

One of the students plays the role of a patient. One of them is instructed by the teacher in advance what to focus on in the simulation of an illness. Another student plays the role of an ambulance doctor, another plays the role of an emergency room doctor, and the next student plays the role of an infectious disease doctor. Another student acts as an expert - he or she concludes by pointing out errors in the doctors' tactics. After the expert's opinion, the whole group enters into a discussion. The teacher's role is to subtly steer the discussion in the right direction. When giving marks to the students, we take into account the extent to which they have mastered the practical skill.

**Research results:** The learning process is visibly more lively, the classes are more interesting, the thought processes in mastering the material are intensified. During the dialogical learning the students learn to think critically, to solve complex problems on the basis of analysis of circumstances and relevant information, to weigh alternative opinions, to make thoughtful decisions, to participate in discussions, and to communicate with others.

**Conclusion:** In conclusion, this approach to skills acquisition meets the requirements for practical lessons, makes them interesting, fulfilling and, most importantly, effective, there is an enjoyment of learning and a sense of mastery of a practical skill. This produces the most successful results. The use of interactive learning methods from a market economy perspective is also important because these methods develop the qualities required by employers and the social skills needed for the overall development of the individual.

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