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ИСКУССТВЕННЫЙ ИНТЕЛЛЕКТ В МЕДИЦИНСКОМ ОБРАЗОВАНИИ
ARTIFICIAL INTELLIGENCE IN MEDICAL EDUCATION

Аннотация: Технологии 21 века снабжены передовыми инновациями, называемыми искусственным интеллектом. В последнее время он стал неотъемлемой частью образования, достигая удивительных результатов.

Abstract: Technology of the 21st century is accomplished with advanced innovations called artificial intelligence. Recent time it has become an integral part of education, achieving amazing results.

Ключевые слова: искусственный интеллект, медицинское образование, инновации.

Keywords: artificial intelligence, medical education, innovations.

Artificial intelligence (AI) brings the fourth revolutionary changes not only concerning technological advances, but also creating a global learning environment. AI tools are widely used to find solutions to some "old" challenges with innovation and creativity.

It's rather controversial question, as there both advantages and disadvantages in education, especially a medical one.

To start with, AI has already changed the curriculum making it digitized: online lectures, university websites, al-based tools, eBooks are of great help to turn the students into more centric and teachers – more broad-minded.

The implementation of AI in medical education allows incredible opportunities on the one hand and huge problems on the other. In order to identify certain points, we have carried out a research. Fifty students were interviewed to find out their opinions according to this issue.
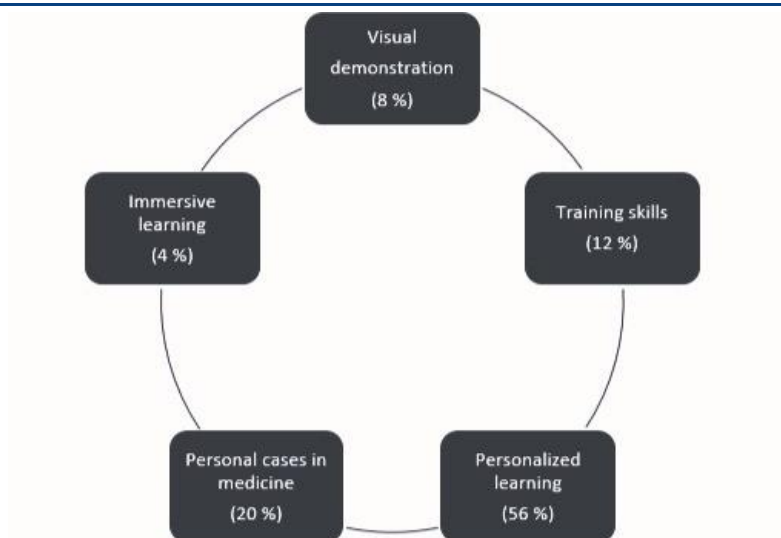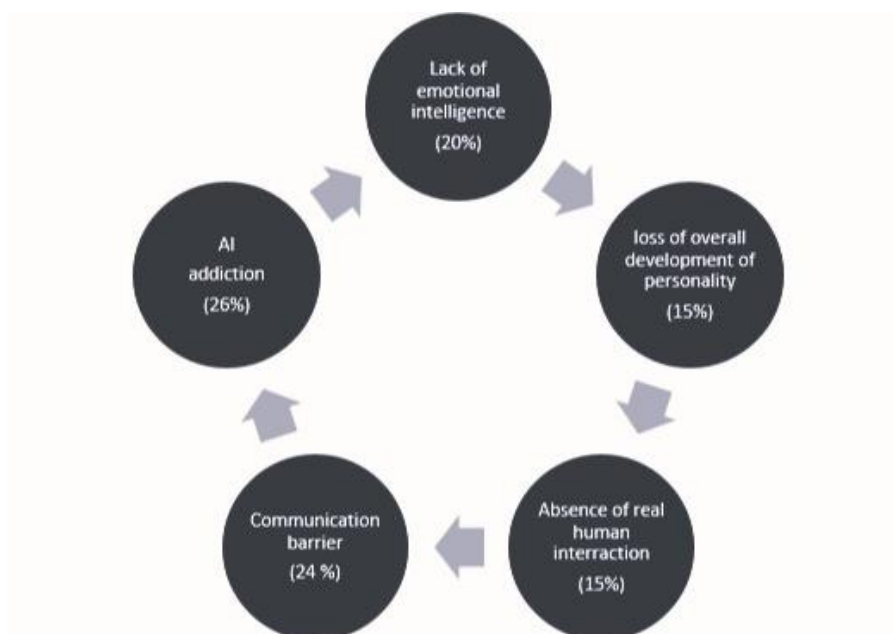
Fig 1. Advantages in medical education

Fig. 2 Disadvantages in medical education

As for advantages (Fig.1), it's absolutely clear that how important for the students is their individuality. In such a way AI –based systems serve students of all capabilities, moreover, develop their full potential.

The next one is practical cases in medicine. Notwithstanding the fact that students are of different age, they are all interested in real events of their life, so real cases, which occurred or even may take place.

It's curious enough that practical skills are on the third place. Unfortunately, we didn't receive any comments, so we can only guess about the reasons: poor training equipment, difficulty in understanding.

Practically equal are the 4th and the 5th places. The students of medical university don't pay special attention to visual demonstration and immersive learning, judging by the research.

As for disadvantages (Fig.2), artificial intelligence addiction is on the first place. Students spend most of their time in the net. Of course, automated learning platforms have become much more effective than earlier, but educational purposes can be lost because of information overloading. [1]

The next one is inability in communication, in other words communication barrier. Medical students, who will become future doctors, must collaborate without any boundaries between each other, discussing acute issues, sharing impressions.

Education is not all about getting knowledge. It is an intricate process, where people not only attain knowledge, but also learn to apply different emotions: happiness, grief, sadness, empathy, compassion or stress, which is impossible to get from AI.

The last ones are on the same level. [2] It means that our teens suffer from the lack of communication, putting too much effort into their studies, and forget how to use appropriate contact without any unexpected consequences.

To conclude, artificial intelligence has a great impact on overall education, student engagement tools, to enrich the traditional learning experience. "Education is a lifelong learning companion", which is not only technology for replacing the teacher. [3] AI has "the power" to transform the educational process for better, although it will never be able to feel students' emotions and feelings. This means no matter how advanced artificial intelligence becomes, it will not have an opportunity to substitute teachers. Its role will be to assist teachers in making learning entertaining, immersive and exciting.

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