

Teaching Reform of External Science Under the Background of "Internet +"

Shijie Pan

Henan University of Chinese Medicine, Zhengzhou 450000, China.

Abstract: With the advent of the "Internet +" era, surgical teaching in medical colleges and universities is facing new challenges and opportunities. In order to adapt to the pace of the development of the times, educators should change their own ideas and reform the education model in order to effectively improve the teaching quality. Based on this, the article mainly studies and discusses the teaching reform of surgery under the background of "Internet +".

Keywords: Internet +; Vocational School; Reform in Education

1. Introduction

At present, the continuous development of China's social economy has also promoted the arrival of the Internet era, and major changes have taken place in all walks of life. The same is true of the medical education industry. Only by keeping up with the pace of the development of the times and making corresponding changes can we cultivate talents who meet the needs of social development.

2. The influence of "Internet +" on foreign science teaching

At present, the continuous development of China's social economy has also promoted the progress of modern science and technology. Smart phones have become an important tool for students in their study and life. Students can quickly obtain key information about learning through Internet information technology to facilitate learning. It can be seen from this that the traditional teaching mode in the past can no longer meet the needs of the current social development and can not effectively concentrate the students' attention. In order to meet the relevant requirements and needs of teaching, surgery has explored a more diversified and diverse basic teaching mode through continuous practice, which can not only meet the clear requirements of teaching, but also further improve the quality of teaching courses. Under the background of the "Internet +" era, the school has developed teaching modes such as "micro class" and "flipped class", which can improve students' learning interest to a certain extent. The "micro class" and "flipped class" teaching modes combine offline and online teaching methods. Teachers can carry out relevant teaching activities according to the actual learning situation of different students. It can better improve students' initiative and enthusiasm for learning, and then effectively improve the quality of teaching.

3. Current situation of surgery teaching

3.1 The teaching subject is not reasonable

In the actual teaching process of surgery specialty, the main body of teaching in the classroom is still the teacher, and students can only passively receive knowledge through teachers' explanation in the classroom, which is not conducive to improving students' independent thinking and exploration ability, but also makes students feel bored in the classroom. As for them, they do not focus on learning knowledge, resulting in a significant decline in students' academic performance, and teachers can not effectively achieve the goal of teaching research. In addition, some teachers only pay attention to the students with good grades, but ignore the students with poor grades. There are differences in the teaching process, which will seriously affect the future development of students.

3.2 Simplification of teaching content

In the teaching of external science, traditional teaching mode is still used for teaching, most of which are knowledge uploaded in class. Teachers guide students' learning through book content. In the "Internet +" era, most students have smartphones. However, due to the lack of self-control of teenagers, if teachers still use traditional teaching mode for teaching, students will feel bored and they will play mobile phones in class. This mode will not only reduce students' interest in learning, but also affect the overall teaching quality. In addition, because the teaching content is too complex, the traditional teaching model can not concentrate students' attention, resulting in the continuous decline of students' academic performance and the failure to successfully complete the teaching objectives.

3.3 Teaching resources are not integrated

From the current overall situation of surgery teaching, teaching resources are too scattered and not integrated. Even if the internet teaching modes such as "micro class" and "flipped class" are adopted in the teaching process of external science, the relevant teaching resources cannot be effectively integrated. In the past, teachers played an important role in the traditional teaching mode. They needed to spend a lot of time and energy to integrate relevant teaching resources, but occasionally the preparation of curriculum teaching resources was not perfect. In addition, surgical students also lack opportunities to practice and explore.

4. Countermeasures for teaching reform of external science under the background of "Internet +"

4.1 Changing teaching concepts

Traditional teaching concepts in the past can no longer meet the needs of current education development. Therefore, surgical teachers should change their teaching concepts, take students as the main body in the classroom, and clarify their own positioning, to coach and guide students to learn. Only in this way can students' autonomous learning ability and active exploration ability be effectively improved, and students' comprehensive quality be comprehensively improved. Under the background of the "Internet +" era, teachers must understand the overall situation of students, take care of some students with obvious differences, and upload relevant teaching materials and videos on relevant platforms so that students can learn on the platform at any time, which can improve students' enthusiasm and initiative in learning to a certain extent, so as to help students with poor grades, encourage them to learn out of difficulties, and help students regain confidence to study harder.

4.2 Optimizing teaching content

In the "Internet +" era, there are many ways for students to acquire knowledge. However, due to the limited energy of students, teachers should try to simplify the teaching content, scientifically and reasonably plan students' learning tasks, and ensure that the teaching focus can be directly presented to students. Students need to preview in advance with the help of the Internet before class. Problems encountered in the preview process can be queried directly through the Internet. If students' puzzles cannot be solved on the Internet, they can record the problems and then ask teachers questions in class or after class. This method can not only take into account the differences between students and students, enable students to focus on the classroom, but also effectively improve students' learning quality and teachers' teaching level, and ensure the effectiveness of learning.

4.3 Let teaching and learning interact

The Internet has a prominent feature that it can interact in real time. The teaching of Internet surgery specialty also has this feature. The teaching courseware is basically stored on the mobile Internet. Students can learn, prepare for and

consolidate at any time. If there are problems in the learning process, they need to communicate with teachers and students through the network in time. Teachers can also set up class groups. When there are new learning resources, they can share knowledge and students can learn by reference. In the class group, students can solve their problems in time, they can also communicate with each other and share their learning experiences. Students can learn on the Internet according to their own learning progress, and form a good interactive mode between teachers and students. Surgical clinical knowledge is usually an abstract concept with a strong degree of specialization and high requirements for theory and practice. Students' theory and practice are an important part of testing the teaching results of basic surgery. The teaching content of surgery teaching is very theoretical and practical. If students' basic skills are not correct, they will not be able to become a qualified surgeon. In the past, most of the basic surgical clinical skills were performed by teachers, and students had few opportunities to practice. However, in the Internet age, students have the opportunity to practice. There are many simulated and virtual software on the Internet, through which students can learn and master relevant skills. For medical students, they are still unable to complete the operation independently. If the teacher does not explain the operation in detail, the students do not know how to complete the relevant operation. The emergence of the Internet platform can enable some confused students to find relevant solutions through the Internet platform. The emergence of Internet platform can effectively make up for the deficiencies in traditional teaching and ensure that students' theoretical knowledge and practical ability will not be derailed. The popularization of mobile platform also creates more favorable conditions for surgery teaching. For example, for some rare clinical medical records, relevant teachers can upload the difficult diseases encountered to the mobile platform, so that students can understand and learn in depth, so as to effectively improve the teaching effect.

4.4 Integrating teaching resources

Surgery can explore a new education model through the rational application of the Internet platform to ensure that the teaching model can meet the current actual teaching needs. In addition, the school can also communicate and cooperate with enterprises of related disciplines through the Internet, and integrate relevant online and offline resources.

5. Conclusion

It can be seen from the above that there are still some problems in the current teaching process of surgery, which affect the teaching quality and reduce students' interest in learning. Therefore, under the background of the "Internet +" era, higher vocational colleges should optimize and improve the teaching mode. Teachers need to change their traditional teaching ideas, keep pace with the development of the times, and optimize the teaching mode, in order to ensure that the needs of educational development are met.

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