

On the Reform of Experimental Teaching Mode of Pathophysiology in "Learning Community"

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Keywords: Learning Community, Pathophysiology, Experimental Teaching Mode.

Abstract: With the development of society, people's awareness of education is constantly improving, which makes the experimental teaching of pathophysiology receive more attention and attention, which also puts forward higher requirements and standards for pathophysiology teaching to a certain extent. In the process of the reform of the experimental teaching mode of physiology and pathology, more and more educators and experts realize the necessity of the application of learning community, so as to change the inherent experimental teaching concept, update the experimental teaching mode, realize the innovation and reform of the experimental teaching of pathology and physiology, and use the teaching concept of learning community, which is conducive to mobilizing the enthusiasm and initiative of students' learning and increasing Strengthen the experimental teaching effect, make effective use of teaching resources, enrich teaching content, further improve students' learning ability, and promote students' all-round development.

1. Introduction

As an important course of higher medical education, pathophysiology is a bridge between basic medicine and clinical medicine. Experimental teaching is an important content of pathophysiology. Pathophysiology is a comprehensive subject of experiment. Experimental teaching can not only make theoretical teaching more perfect, systematic and three-dimensional, but also further strengthen and exercise students' practical ability, logical thinking, problem-solving and other abilities, which has a profound impact on the future development of students, so it is important to realize the reform of pathophysiology experimental teaching mode. As a new teaching concept, learning community mainly emphasizes the role of students as the main part and teachers as the auxiliary and organizer. Through mutual cooperation and effective communication, students' learning ability and practical ability can be further improved and students' all-round development can be promoted. Therefore, this paper mainly analyzes the reform of pathophysiology experiment teaching mode of "learning community", and makes the following analysis in order to promote the innovation and development of pathophysiology experiment teaching.

2. Basic Overview of Learning Community

The learning community is mainly composed of learners and assistants, including teachers, tutors and experts, to complete the corresponding learning tasks, promote the comprehensive development of all members, learn from each other in a specific teaching environment, interact effectively, share effective resources, experience and experience, and realize the comprehensive development of Learners [1]. Compared with the inherent teaching method, the learning community pays more attention to the communication and interaction between learners and assistants, that is, the effective communication between learners and learners, learners and assistants, and the exertion of collective strength in learning. The rational use of the concept of learning community in the experimental teaching mode of pathophysiology can promote students and teachers to share learning methods, learning experience and learning experience with each other, build a good relationship between teachers and students, enrich the teaching content and realize the teaching goal of sharing,

advancing together and growing together. As shown in Figure 1, through the process of learning, practice and publication, students can get good cycle effect in learning, so as to play the role of learning community, strengthen students' practical ability, improve students' learning thinking, improve students' comprehensive level, and lay a solid foundation for students to enter the work post in the future. The learning community, by giving full play to the power of collective and unity, enables teachers and students to explore, discover, analyze and solve problems together, so as to improve the knowledge and practical ability of students and teachers and promote the overall development of teachers and students. The rational application of learning community in the experimental teaching mode of pathophysiology can further promote the reform of experimental teaching mode, solve the problems existing in the current popular education, and improve the overall effect of experimental teaching of pathophysiology.

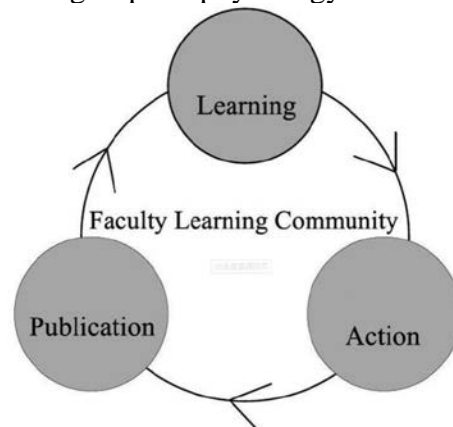


Figure 1 Learning community

3. Problems in the Reform of Experimental Teaching Mode of Pathophysiology

As an important part of students' learning, pathophysiology course is an important channel for students to acquire basic theoretical knowledge and experimental operation methods. It further improves students' comprehensive ability and has a profound impact on their future development and work [2]. However, because the pathophysiology is mainly experimental teaching, most students regard this subject as a course with high learning difficulty. In the final analysis, the teaching method is single and boring, students do not adapt to the experimental learning thinking mode quickly, and increase the difficulty of students' learning. The experimental teaching content involves too much, and the teaching time is limited, so students can not fully grasp the learning. It can reduce the learning efficiency of students; teachers focus on demonstration and demonstration teaching in teaching, students do not have too much time to think and consider, can't keep up with the teaching rhythm of teachers, and can't fully grasp the subject knowledge content; pathophysiology experiment course has high requirements for the combination of theory and practice, and students can't fully understand the theoretical knowledge without fully understanding it. Improve their own practical operation ability; because the experimental teaching often faces many students, so that they can't objectively evaluate the teaching process, the teaching results can't be fed back in time, which affects the overall experimental teaching effect of teachers, and is not conducive to the improvement of students' comprehensive ability. With the development of the practical teaching, the teaching contradictions are increasingly experienced, and the traditional teaching takes "teaching" as the core. The teaching mode is difficult to meet the needs of students' development, increases the difficulty of students' learning, and makes it difficult to stimulate students' interest in learning. In the long run, students' enthusiasm for learning will gradually weaken, affecting students' learning effect [3].

4. Effective Measures to Apply Learning Community in the Experimental Teaching Mode of Pathophysiology

In view of the basic characteristics of pathophysiology experiment teaching and the fundamental learning community theory, this paper will analyze the reform and application of learning community pathophysiology experiment teaching mode from the following points.

4.1. Clear Teaching Objectives and Respect For Students' Differences

Under the background of traditional popular education, the differences and individuality of students are increasingly significant. Therefore, in the teaching mode of pathophysiology experiment, teachers should give students more understanding and respect, so that when students are learning, teachers pay attention to the cultivation of learning thinking, so that students can understand the internal relationship between experiment and theoretical knowledge, so that students can master the operation of experiment skillfully Method, improve the comprehensive ability of students [4]. Therefore, teachers should be aware of the importance of students' community teaching concept, construct learning situation, combine previous experience, based on learning community, further actively construct and realize the change of experience system, so as to enhance teachers' teaching level and optimize experimental teaching effect. The specific construction process is shown in Figure 2. In the experimental teaching mode of pathophysiology, we should reasonably quote the teaching concept of students' community, respect students' differences, base on the experimental teaching content, combine students' learning characteristics, cognitive laws, learning needs and other aspects, define the teaching objectives, optimize the teaching content and teaching links, realize the reform of experimental teaching mode of pathophysiology, and promote students' all-round development.

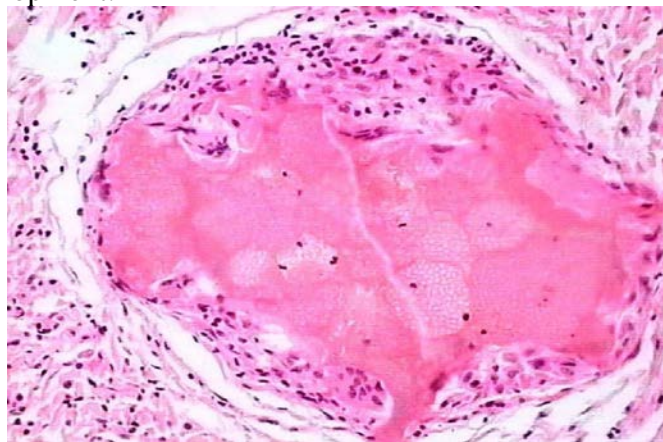


Figure 2 Pathophysiology experiment

4.2. Ignite Students' Enthusiasm for Learning and Optimize Students' Learning Effect

As we all know, interest is the best teacher for students. Driven by strong interest in learning, students will improve their learning efficiency and promote their subjective and active role, so as to participate in practical learning [5]. Therefore, in the experimental teaching mode of pathophysiology, teachers should pay attention to the activation and cultivation of students' learning enthusiasm and initiative by quoting the teaching concept of learning community, and emphasize the construction of situation from the arrangement of teaching links, the design of experimental cases and the optimization of experimental content, so as to ignite students' learning enthusiasm. The learning task should be based on the principle of step-by-step Plan interesting learning tasks so that students can get a sense of learning achievement, help students regain their confidence in learning, and optimize their learning effect. For example, in the experimental teaching mode of pathophysiology, teachers can reasonably quote the teaching concept of learning community. Teachers can start from clinical practice, combine with clinical experimental cases, adhere to the teaching concept of learning community as the leading role, make students' enthusiasm for learning

even higher, make learning generation as the master of learning, and promote the play of students' subjective and active role.

4.3. Building the Platform of Self-Study and Cultivating Students' Consciousness of Self-Study

Under the experimental teaching mode of learning community, classroom teaching mainly explains the knowledge content of pathophysiology for students in the form of interaction, communication and cooperation between teachers and students, and further improves the enthusiasm of students' participation in the classroom. In order to ensure the quality and effect of experimental teaching, students need to effectively Preview the experimental learning content in the way of independent learning platform before class [6]. However, in the information age of knowledge explosion, teachers' experimental teaching time is very limited. It is very important to improve students' learning efficiency and cultivate students' comprehensive ability. As the basic ability of students, autonomous learning plays an important role in strengthening students' learning ability and improving students' practical operation level. Therefore, based on the teaching concept of learning community, teachers should optimize the experimental teaching mode of pathophysiology, build an independent learning platform for students, let students in the independent learning platform, through learning and consulting the contents of teaching materials, practical guidance books, online publications and other contents, improve their preview effect, further cultivate students' independent learning awareness, and provide teachers with pathophysiology The improvement of experimental teaching level provides basic guarantee. Among them, the community learning activity diagram is shown in Figure 3.



Figure 3 Community learning activity map

5. Conclusion

To sum up, the reform and innovation of pathophysiology experimental teaching mode requires teachers to realize the necessity of learning community citation, so as to focus on training students' subject knowledge and scientific research ability, improve students' scientific research thinking, ignite students' interest in learning, improve students' comprehensive ability, realize the innovation and development of pathophysiology experimental teaching mode, and give full play to learning The educational function of the community concept is to improve the overall level of experimental teaching, lay a good foundation for students to go to work in the future, and promote the overall development of students.

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