

Ideological and Political Education in Functional Experiment Teaching under The Background of Narrative Medicine

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Abstract: The function experiment synthesizes the experiment contents of physiology, pharmacology and pathophysiology, from the normal physiology to the change of function metabolism under the pathological state to the drug treatment. The purpose of this paper is to study the ideological and political education running through the functional experiment teaching under the background of narrative medicine. First of all, it introduces the significance background of the combination of functional experiment teaching and ideological and political education, and expounds the importance of medical humanities education and the importance of narrative medicine education for personnel training, and then explains the cultivation of narrative medicine for ideological and political education from three aspects. Finally, the teaching plan of functional experiment was made, and data was collected through questionnaire survey. The experimental results show that 69.8% of the students think that the number of students who have good research questions before the experimental course is good, 91.3% think that the number of students who have good discussion solutions is good, and the number of students who think that they can improve their thinking ability and inspire innovation ideas is over 7096. The students' ability of learning and thinking has been improved significantly, which lays a solid foundation for their rigorous scientific research style and creative scientific research thinking in the future.

1. Introduction

Medicine is one of the most humane and warm sciences. With the development of society, for medical workers, in the past the problem of "disease" was mainly solved, but now the problem of "human" is mainly solved [1-2]. However, the improvement of medical students' humanistic quality is a long-term process [3]. As a medical basic and professional course throughout the school, it is also a good place for humanistic education and can play an important role. In the process of medical students' learning, as long as teachers guide, discover and grasp educational opportunities correctly, they can cultivate and improve their humanistic quality [4-5]. In the functional experiment teaching, we should not only carry out professional and technical education and experimental skill training for students, but also pay attention to the cultivation of students' comprehensive qualities such as ideology, psychology and body [6-7]. Quality education is the basic development direction of higher medical education in the future [8-9]. As university teachers, we will continue to explore, summarize experience, find a better starting point, do a good job in teaching medical knowledge and improving the humanistic quality of medical students, and cultivate high-quality, strong ability and innovative medical science and technology talents [10].

Timothy J studies an example of narrative medicine to enhance self-awareness and develop humanistic connotation in medical education. Other important lessons from case studies are the art of listening and the value of silence. This kind of narration shows how the development of narrative ability can help to establish a good doctor-patient relationship, because doctors or students with this ability usually recognize the value of patients, show concern for them, pay attention to what they say, and allow to establish real contact, which is an effective treatment alliance necessary to establish a good doctor-patient relationship [11]. The results of Chen y research show that with the

change and expansion of gene testing mode, narrative medicine may be a useful tool to help genetic consultants keep the balance of humanism in a practice, which is increasingly difficult to manage the needs of gene technology. In particular, new instructors can benefit from training in these areas to help guide the emotional aspects of practice. It may be necessary for patient-centered nursing and professional satisfaction and development to maintain the attention to clinical work-related aspects [12].

Under the premise of narrative medicine research, based on the general environment of functional experiment teaching, and the integration of Ideological and political education content, this paper analyzes the necessity and feasibility of functional experiment teaching method in theory through a large number of specific circumstances of questionnaire survey. The results show that functional experiment teaching can promote the improvement of Ideological and political education teaching quality, and ultimately achieve the guarantee Practical operation skills and innovation spirit have been enhanced.

2. Proposed Method

2.1 Importance of Medical Humanities Education

The study of medical knowledge is not only to master the natural science, but also to integrate the humanities into the teaching work. With the role of rain classroom teaching mode in medical education gradually highlighted, more and more teachers realize the role of rain classroom in the integration and distribution of medical teaching resources. Functional experiment is the most practical course in medical education. Students can deepen their understanding of medical knowledge and get the chance to practice through the experiment of functional science. Of course, in the process of functional experimental teaching, medical humanities education is very important. It is necessary to cultivate students' humanistic consciousness. Besides taking disease treatment as the ultimate goal, it is also necessary to make clear that the treatment of patients can not cure diseases by damaging other health of patients. Doctors should treat patients with the eyes of their relatives during the treatment. Change the traditional medical teaching mode, and form a comprehensive teaching mode with equal emphasis on thought and practice. Students have strong clinical experience and can also achieve their own benefits to society.

2.2 Narrative Medicine

Narrative medicine is to improve the empathy ability and diagnosis and treatment quality of doctors, rebuild the life order and value of patients, so as to achieve a better vision of mutual understanding and harmony between doctors and patients. If it can be placed in the context of literature narration at all times in the initial stage of doctor's professional cognition: Student's time, moisten with warm human nature words, shield simple biological science judgment, it can quietly infiltrate the hearts of medical students, construct their humanistic feelings, and open eyes for the good effect of medical practice in the future.

2.3 The Importance of Narrative Medicine Education in Talent Training

To carry out narrative medicine education in higher medical education can systematically and concretely carry out educational research, and apply research results to teaching practice. Narrative medicine education can provide specific examples and ways for the promotion of humanistic quality of medical talents, and promote the internalization of empathy; narrative medicine education can promote the organic combination of narrative ability and clinical diagnosis and treatment technology of medical talents, so that They help each other, realize all-round diagnosis and treatment, and realize the practical value of medicine.

2.4 Cultivation of Narrative Medicine for Ideological and Political Education

(1) The cultivation of the ability to read literary texts carefully

Literature reading is the first step to form the ability of medical narration, and it is also the foundation to cultivate the ability of narrative judgment and empathy. Only in fictional literary

works and clinical narratives can medical students communicate with different types of characters to the greatest extent. It is difficult for them to learn language and cognitive strategies from professional medical courses to cope with complex situations. Literature disease narrative is the best way to help doctors deal with all kinds of empathy events and situations.

(2) The cultivation of reflective writing ability

Doctors and nurses can use the language of life world to reflect on the scientific world. Medical staff record the course of the disease and the psychological changes of the patients and their families in the form of narration from the perspective of practicing doctors, which embodies the humanistic care in the process of diagnosis and treatment, and changes the stereotyped concept that modern medicine only asks patients for their diseases but not patients for their diseases, so as to realize the real communication between doctors and patients. At the same time, reflective writing helps to deepen the understanding of doctors. Medical staff can also relieve stress and seek comfort through reflective writing.

(3) The cultivation of empathy

In medical activities, the empathy function of medical staff can better meet the needs of patients to be understood, create a communication atmosphere of mutual trust and understanding, and put themselves in the plight of patients and their families, so as to better ease the relationship between doctors and patients, and promote the smooth progress of medical work. Conflicts between people usually arise from misunderstanding, over excited emotions or stubborn opinions. All people with empathy are good at perceiving others' wishes and willing to understand and help others. The medical community agrees with the following views: empathy refers to paying attention to the patient's world, feeling and entering the patient's world together, including the accurate perception and understanding of the patient's world, and communicating its understanding to the patient.

3. Experiments

3.1 Make Teaching Plan

Combined with the experimental teaching work plan of different stages, the teaching objectives, teaching modes and corresponding teaching methods of the three stages are formulated, and with the improvement of students' comprehensive quality as the starting point, the three aspects are organically combined, and the implementation of the work is carefully organized from the work links of the overall planning of the Department, the teaching ideas and methods that teachers should have and the learning methods of students, including The director emphasized the key points in the teaching task arrangement meeting, the inspection and assessment in the trial work and the implementation effect in the teacher's teaching. A set of systematic and standard experimental teaching method system has been formed through the teaching practice of function experiment in 3 sessions of 4334 students and 6187 class hours.

3.2 Experimental Method

(1) Issue questionnaire

According to the statistical rules, the questionnaire was designed and distributed to the students. The types of questionnaire include not only the macroscopic opinions on the whole functional experiment teaching group, but also the specific performance of each teacher in a certain class. We attach great importance to the feedback of students, and conduct research and analysis seriously.

(2) Statistical analysis

All the data were analyzed by variance analysis or two sample t-test on SPSS10.0.

4. Discussion

4.1 Improve the Students' Comprehensive Quality and Innovative Thinking Ability

The implementation of the new experimental teaching mode not only enables the students to master the basic methods and skills of functional experimental research, but also through the design

of experimental content and the simulation of scientific research papers, systematically familiarize themselves with the basic process of scientific research and the scientific way to acquire knowledge, mobilize the enthusiasm of students' active learning, cultivate their learning ability, and improve their ability of independent observation. The ability of logical thinking and comprehensive quality to analyze and solve problems have been improved obviously, and the ability of scientific research has been preliminarily possessed.

The students' ability of learning and thinking has been improved significantly, which lays a solid foundation for their rigorous scientific research style and creative scientific research thinking in the future. The survey results show that 69.8% of the students think that the experimental courses have good research questions, 91.3% of them think that the discussion solution can improve their thinking ability and inspire innovative thinking, as shown in Table 1.

Table 1. Analysis of survey results of trainees' response to the improvement of experimental teaching

Index sign	Student assessment (% of people)			
	very good	good	Slightly better	commonly
Discuss before class				
Problem solving by discussion	35.1	34.7	16.6	13.6
A comparative analysis of students' opinions and experimental results	67.8	23.5	6.5	2.2
Can help students improve their learning initiative	70.6	11.3	10.7	7.4
The teacher summarizes the experiment	44.6	24.7	26.4	4.3
Help students improve their thinking ability	90.8	6.5	2.7	0
Index sign	47.6	23.8	20.5	8.1

The new ideas and problems presented by 50 people have provided practical and scientific materials for the improvement of existing experimental contents and methods and the revision of functional experiment. This incentive strategy plays a good enlightening role for the development of students' innovative thinking, and gets the attention of leaders and financial support.

4.2 Promote the Organic Combination of Teaching and Scientific Research

In this way, it has far-reaching significance to equip and improve the laboratory construction year by year for training high-quality comprehensive talents. In terms of functional experiment teaching, we have set up 10% heuristic teaching content, 30% basic teaching content, 40% comprehensive education content and 20% exploratory teaching content. Through the experiment in the newly organized laboratory, on the one hand, the success rate of all kinds of basic experiments has increased from 74.30% to 97.32%, on the other hand, the comprehensive and exploratory experimental projects for training students' comprehensive ability have also increased from 10.00% to 60%, as shown in Figure 1. This combination and promotion are bidirectional.

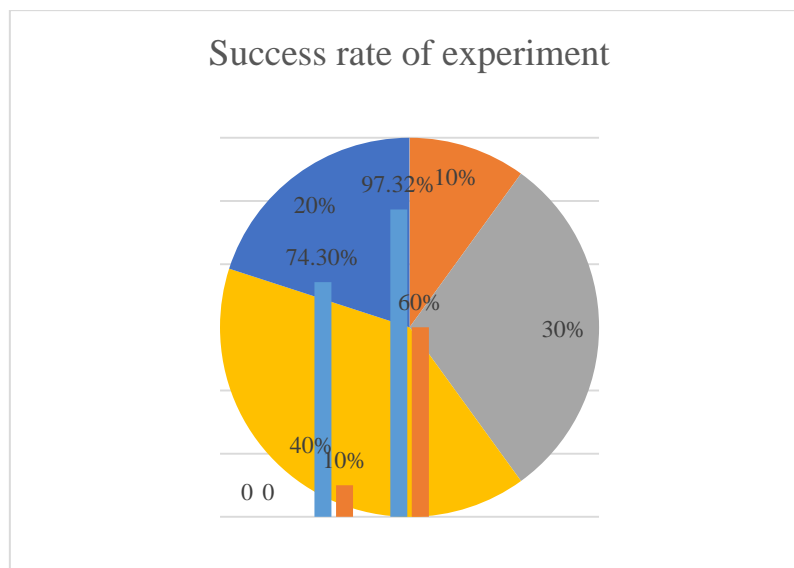


Figure 1. Success rate of experiment

Scientific research project is a sub topic. Through the research of students' experimental course, comprehensive and exploratory experiments can be carried out, some of which can obtain complete and reliable data and draw accurate conclusions. Some of them provide the basis and ideas for further research, and achieve the expected results after further research. The success rates of the five comprehensive experiments are 83, 87, 9L, 95 and 90% respectively. The third session of students formed 169 sets of exploratory experimental design schemes, organized and completed 89, and completed 150 experimental papers. The materials of scientific research topics can be added to the experimental teaching, making a bold attempt.

5. Conclusions

Functional experimental science is an important part of medical experimental science. It is a compulsory basic course and skill training course for clinical medicine, preventive medicine, medical examination and other majors. It is an important link to achieve the goal of medical education. With the continuous development of medical education theory, higher requirements are put forward for the quality of medical staff. Based on the practice investigation of 6187 class hours and the quantitative analysis of scientific quality evaluation, this paper considers that the scheme is more detailed and feasible, which has practical significance for improving the teaching quality, students' learning interest, quality education and ability training, and has achieved good results. The functional practical teaching is of great significance for ideological and political education.

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