

Reflection on the reform of college medical education in the new period

Liu Xiaoyu

Huanggang Polytechnic College, Huanggang, Hubei, 438000, China

Abstract: *The 21st century is mainly dominated by life science. Nowadays, science and technology competitiveness has gradually become an important factor to promote national development, and has an important impact on social progress and safeguarding national security. Therefore, in colleges and universities, we need to insist on starting from the level of "healthy China, powerful education", overall promote the double first-class construction of colleges and universities, always start from what people to train, how to train people, for whom to train people, fully implement the fundamental task of moral cultivation, pay attention to medical personnel training work, clear the promotion role of development in the new era of medical education reform in colleges and universities, and build a perfect talent training system. Do a good job in the construction of the curriculum platform to achieve the goals of medical education reform and development.*

Keywords: *Colleges and universities; Medical education; Reform; Rethink*

1. Introduction

Medical education has a history of a hundred years in our country, but the influence of such factors as social and economic development, there is much gap between our medical education and international education at present, which manifests as the phenomenon of unbalanced development. In the background of the rapid development of medical science and technology, it is necessary to grasp the development situation of international medical education in time, update the educational concept in the reform of medical education in colleges and universities in time, ensure the novelty of teaching mode, integrate educational content, introduce scientific education methods, and train students to be high-quality talents who can meet the needs of social development.

2. The development trend of medical education in colleges and universities in the new period

2.1 Student-oriented

In the concept of modern medical education, student-oriented is always the core point. Education should pay attention to cultivating students' initiative, improving innovation ability and adaptability. In the training of medical professionals, we should pay attention to imparts knowledge, play a guiding role, and bring students into the appropriate learning activities. The task of medical education is to liberate students from the passive learning state, take the initiative to explore knowledge points, and then change from simple knowledge imparting to active thinking, do a good job in guiding and inspiring students, and help students master professional knowledge. Only by forming a scientific way of personnel training can we give students enough space for thinking and meet the needs of their healthy development. In addition, it is necessary to change the traditional mode of education in time, improve the content of education, enrich the teaching methods and provide favorable teaching conditions. In the new era, the task of medical education is no longer to directly teach students medical knowledge, but also to enhance the importance of cultivating students' comprehensive literacy, helping students master flexible and diverse educational means, using medical problems and other ways to exercise students' ability to adapt to society and promote their future development^[1].

2.2 Pay attention to integration

In the reform of medical education in colleges and universities in the new era, it is necessary to pay more attention to the integration and integration of disciplines. It can be said that the development

direction of modern medical education is the same as the development goal of modern science and technology. The development of modern medicine has gradually shifted from the original direction of single research and fine analysis to the direction of micro depth and macro expansion, which is not only reflected in the integration of theoretical composition, but also puts forward new requirements for the integration of the application of diagnosis and treatment technology. Therefore, it is necessary to pay attention to highly differentiated and micro-oriented development in medical education, and do a good job in the integration of micro and macro. In the face of micro problems, try to analyze from the macro and comprehensive level, and exercise the ability to analyze and solve problems.

2.3 Textbook construction

Teaching materials construction is a basic content in medical education reform. In education, it is necessary to prepare teaching materials well, ensure the scientific content of teaching materials, add modern scientific theories and introduce relevant concepts and knowledge on the basis of ensuring the sufficiency of basic theoretical knowledge and skills of medical majors, ensure the rationality of educational content structure, and avoid being limited to the integrity of subject knowledge. Take the initiative to integrate knowledge, skills and acquisition methods together, enhance the importance of the use of textbooks, enrich educational theories, pay attention to the cultivation of students' overall quality, and form an open teaching material system^[2].

2.4 Optimize activities

In the context of the rapid development of modern educational concepts, medical education in colleges and universities has begun to increase the content of systematic science and pedagogy. With the help of scientific educational theories and methods, different links in the teaching process can be comprehensively analyzed to ensure the optimization of teaching design, improve the effectiveness of teaching, ensure the rationality of teaching methods, and meet the learning needs of students. In addition, relevant research institutions need to take the initiative to implement the optimization research into teaching program design and other aspects to improve the effectiveness of teaching media selection and use.

2.5 Teaching practice

It is necessary to take the initiative to introduce psychological content into teaching practice and transform it into an important theoretical content in teaching research. Whether it is experimental education reform or theory, it contains a large number of theories related to learning psychology and behavioral science, especially for the study of learning behavior. It is mainly to reveal the intrinsic nature of learning phenomenon from the results of psychological research, and it is also fully implemented in medical education. Therefore, in the reform of medical education, it is necessary to enhance the research on teaching practice psychology, enrich the theory of medical education, solve the problems in education, and promote

3. Reform measures of medical education in colleges and universities in the new period

3.1 To find the correct orientation of medical education

3.1.1 Define the characteristics of medical education

Under the background of globalization of higher education, education popularization, network and quality education have become the inevitable development. As an important part of higher education, medical education needs to adapt to the current educational change trend, grasp the development opportunities and challenges, and analyze the characteristics of medical education in order to identify the future development direction. Since China's higher education has entered the stage of mass development, medical education has achieved corresponding results. However, influenced by the continuous expansion of the scale, many new problems have emerged. Especially, different researchers have put forward different views on whether medical education should develop in the direction of mass education or elite education. In the research, it is found that medical education has the characteristics of higher education, but also has the characteristics of strong professionalism, such as high cost, large teacher-student ratio, high investment, and this is the most essential difference from other professional education, it can be defined as the elite education in popular education. As a science closely related to life, medical science

mainly focuses on people, no matter the object of research or the object of service. However, human beings have strong social characteristics, and a series of activities carried out are closely related to society. Medicine is an important part of promoting the development of human civilization, and it is easy to be affected by social politics, culture and other factors. Nowadays, people's understanding of diseases has increased significantly, and the original medical model has also begun to develop in the direction of physiological, psychological and social environment model. The contents of modern medicine have also undergone great changes, such as the continuous success of new technologies such as euthanasia and test-tube baby, which have brought corresponding challenges to the original medical ethics. With the continuous development of science and technology, the change of the spectrum of diseases has become one of the important issues in the development of medical science. For medical students, they should update their ideas in time, understand the requirements of the development of medical education in the new era, and assume the corresponding responsibilities. The rapid development of the 21st century puts forward new requirements for medical professionals. Students not only need to master advanced technology, broad and new knowledge, but also should master a solid medical foundation, have a strong innovation ability, improve the ability to adapt to work, and become well-developed talents. In addition, the degree of specialization of medical education is relatively high, the cost of investment is relatively high, the training cycle of talents is long, and the requirements for practicality are relatively strict. Therefore, in the reform of medical education in colleges and universities, it is necessary to pay attention to elite education, show the characteristics of elite education, and meet the requirements^[3] of medical talent training.

3.1.2 Actively carry out elite education

In the reform of medical education in colleges and universities, it is necessary to make use of the advantages of popular higher education platform and take the initiative to carry out management education to ensure the effective combination of popular education and elite education. In the development of education, the traditional mode of one stage covering another stage should be changed, and the emphasis should be placed on mutual accommodation and integration. The quantitative growth will inevitably promote the qualitative change, and the qualitative change is mainly reflected in the improvement of educational concepts, the extension of functions, the enrichment of models and the transformation of goals. Therefore, in the reform of medical education in colleges and universities, quality should be placed in the first place, innovation should be carried out for traditional popular education, research on multi-level quality issues should be done well, and the development scale and structure of medical education should be determined to achieve the goal of improving quality while deepening reform.

3.1.3 Deepen the reform of medical education

Under the background of the development of the new era, medical education in colleges and universities begins to start from the aspects of multi-level and multi-types, and at the same time, it is necessary to coordinate the proportion between academic and professional, train students to become elite talents, and build a new pattern of multi-forms of medical education.

3.2 Determine the trend of medical education

3.2.1 Educational standards

With the continuous development of economic globalization, the degree of opening up to the outside world in the field of medical service of our country is obviously increasing, great changes have taken place in the speed, and the pressure for the reform of medical education continues to increase, which presents the special development trend and has had a positive impact on the development of internationalization of medical education in our country. Nowadays, the new development trend and challenge have a great impact on the reform of medical education in colleges and universities. At the same time, it is proposed from an objective level that the international medical education community needs to formulate effective standards, and use this standard to measure the goals and results of college education, so as to ensure that the talents cultivated in colleges and universities can meet the needs of social development. Therefore, in this context, it is necessary to study the current international standards to determine the actual development situation. Through the analysis of the existing international standards, it can be found that their main purpose is to improve and guarantee the quality of global medical education. Combined with the measurement of international standards, students in universities can be further evaluated, which is also the inevitable development of medical education reform. Therefore, in the medical education of colleges and universities, it is necessary to take the initiative to

study the international standards, do a good job in trial and promotion, and establish a sound education quality certification system to improve the quality of medical education as the goal, so as to provide support^[4] for the development of education.

3.2.2 Educational content

Nowadays, medical education has been developing in the direction of globalization, which mainly reflects the obvious increase in the cross-border flow of students and the increasing use of advanced technology for cross-border learning. In terms of educational content, in order to improve the efficiency of talent flow, medical colleges in many countries have added international health courses in the curriculum, which includes the following contents: First, morbidity, mortality and other related health problems in each country. The second is primary health care. The third is the diagnosis, treatment and prevention of diseases. Through the design of a series of courses, students' awareness of global health services can be effectively enhanced, and the effective flow of talents can be supported. With the continuous influx of foreign capital, doctors from some developed countries begin to enter our country, which also poses new challenges to medical colleges and doctors in our country.

3.2.3 Personnel training

With the continuous improvement of the quality of life, more and more people begin to pay attention to the needs of medical and health services, and the requirements for humanized medical and health services are also increasing. In medical and health services, it is necessary to respect the life value of patients, analyze the needs of patients, show respect and understanding of patients, and incorporate patients' psychological feelings and privacy into the treatment plan when carrying out disease treatment, so as to build a harmonious doctor-patient relationship to the maximum extent. In order to improve the quality of talent training and meet people's requirements for humanized medical and health services, colleges and universities need to start from the existing talent training goals, do a good job in curriculum design, research on teaching methods, take the initiative to implement the concept of humanized development into specific educational activities, and do a good job in measurement with the help of perfect examinations and other methods. For example, a country in the medical school clinical skills examination, with the help of standardized patient evaluation, measure medical students' sympathy, whether they will take the initiative to respect and understand patients. However, in some areas of our country to carry out clinical skills training, skills tests to increase the human body models, etc., can not only create a real practical practice environment, but also to show the respect and understanding of the patients. For example, carrying out intravenous injection and tracheal intubation can effectively improve the effectiveness of medical education, highlight the concept of humanization while reducing the burden on patients, and promote the reform and development of medical education.

3.3 Implement the concept of quality-oriented education

3.3.1 Updating the concept of Education

The implementation of quality education has become an important measure to train professional medical talents. In the 21st century, medical talents should have a strong comprehensive quality, achieve the goal of all-round development, have a good professional quality, have a solid knowledge foundation and a strong working ability. Therefore, in the reform of medical education in colleges and universities, we need to start from the national conditions of our country and do the work of medical students' education well. Under the influence of advanced educational concepts, the reform of medical education in colleges and universities needs to keep up with the current development trend, adhere to the people-oriented level, keep up with the development trend of modern medicine, understand the current social demand for healthy development, take the initiative to innovate the traditional medical education model, actively carry out quality education, constantly strengthen the spirit of subjectivity, and train medical students to become high-quality professionals^[5].

3.3.2 Improve the educational structure

First, strengthen the combination of medicine, science, engineering and liberal arts, form a comprehensive teaching structure, integrate existing educational resources, introduce efficient education models, supplement traditional medical education, change the weak foundation of traditional teaching and other problems, constantly extend academic vision, and achieve the goal of improving comprehensive quality. The second is to form a three-dimensional education structure. According to the current demand for talents in social health services and medical related fields, a hierarchical medical talent training plan is formulated to do a good job in the training of compound talents and complete the

task of talent training by means of continuing education.

3.3.3 Reform the education system

In order to improve the effect of quality education, it is necessary to deepen the curriculum system, improve the educational content, and take the initiative to reform the educational methods. Since medical education contains a large number of humanistic and scientific spirits, it is necessary to take the initiative to implement spiritual training into educational activities, do a good job in the excavation of talents' cultural qualities, create a good educational atmosphere, and let students be subtly affected. Only by combining the content of quality education with classroom teaching, can we achieve the goal of teaching and educating people and improve the educational effect. First, insist on starting from the level of medical basic view, give play to the guiding role, strengthen the combination of the three basic courses. The second is to implement the learning objectives and provide learning opportunities for medical students. Thirdly, pay attention to cultivating medical students' innovative spirit and comprehensive ability, clarify education development goals, and actively carry out training work. The fourth is to provide practical learning opportunities for medical students and strengthen their professional ability with the help of clinical practice. Fifth, keep up with the pace of development of The Times, understand the development trend of medical science and technology, do a good job of interdisciplinary integration, and realize the effective extension of the original education content.

3.3.4 Building the teaching staff

In order to carry out all-round quality education for medical students, it is necessary to set up a team of teachers with strong professional quality and comprehensive strength. As an important supporting force in talent training, teachers can effectively improve the quality of talent training only by doing a good job in the construction of teacher team. In colleges and universities, we need to pay more attention to the construction of high-quality teachers, and do a good job in the training of professional talents with the help of measures such as training high-level creative talents project. In the reform of medical education, it is also necessary to change the traditional emphasis on scientific research and despise teaching, improve the academic level of teachers, analyze teachers' teaching achievements, and form a scientific evaluation system. If the improvement of teachers' work enthusiasm and ideological understanding is not effective, it will inevitably have an adverse impact on personnel training. Therefore, it is necessary to do a good job in the construction of teachers in the education reform to ensure the efficient development of education reform.

3.4 Introduce advanced information technology

The development of information technology in college medical education has become the focus of education reform and development. By means of computer retrieval and communication network, an integrated and open education environment can be formed to meet the needs of long-distance development of education methods. In the process of distance education, it is necessary to do a good job in the transformation of digital information, create a good education environment, ensure the sufficiency of teaching resources, enhance the synergy of education, use information technology to meet the requirements of education reform, ensure the rationality and novelty of medical education forms, and change the limitations of traditional education. First, it is necessary to pay more attention to distance medical education and continuing medical education in the field of medical education, so as to provide a good development space for the reform of medical education in colleges and universities. Second, the use of information and communication technology in the field of education can reduce the cost of education, change the way students learn, improve the structure of medical education, and enrich the way teachers impart knowledge. In the reform of medical education in colleges and universities, it is necessary to actively provide students with diversified choices and promote the development of students' individuality. For example, a certain country provides three different basic courses for freshmen, which students can choose by themselves. In addition, this method also provides students with a good flexible development space and changes the limitations^[6] of traditional education mode.

3.5 Promote the transformation of medical goals

The traditional medical education model mainly focuses on diagnosis and treatment, directly regards patients as disease carriers, and pays little attention to people's social and psychological factors. However, under the development of the new era, if we want to promote the reform of medical education in colleges and universities, we need to do a good job in the construction of new goals and ensure the rationality of the direction of medical education reform. First, the reform of medical education should take the

initiative to start from the mode of prevention, medical treatment, health care and health, ensure the rationality of the goal of medical education, improve the content of education, change the traditional curriculum system, constantly strengthen the effect of education, and pay attention to training students' ability of prevention and intervention. Second, the reform of medical education needs to develop in the direction of patient-centered, actively carry out prevention work, meet the needs of healthy development, implement the concept of health first, and strengthen self-care ability. Third, medical education needs to take the initiative to adapt to the changing spectrum of diseases in modern society. With the help of modern social disease spectrum, we should pay more attention to infectious diseases and pay more attention to chronic diseases. Fourth, in the educational reform, it is necessary to take the initiative to study the changes in the new doctor-patient relationship, give play to the guiding role of doctors, and ensure that patients can actively participate. Only the formation of a new type of doctor-patient relationship can ensure that patients can actively cooperate, and can constantly overcome diseases and meet the requirements of health standards. Therefore, in the educational reform, it is necessary to do a good job in the addition of relevant courses to achieve the goal of building a new doctor-patient relationship. Fifth, take the initiative to adapt to the treatment of patients, nursing goals, and constantly improve clinical practice ability.

4. Conclusion

To sum up, the reform of medical education in colleges and universities in the new era needs to start from the goal of adapting to the diversified social medical development, do a good job in the orientation of medical education in the process of education popularization, start from the process of internationalization, determine the direction of medical education, comprehensively implement quality education, and take the initiative to introduce advanced technologies and methods into medical education. At the same time, it is also necessary to change the goal, find the correct direction of medical education reform in colleges and universities, always adhere to the scientific education development view, implement the people-oriented concept, and promote the sustainable development of medical education.

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