Research on the Reform of Practical Teaching of Medical Laboratory Technology Specialty Guided by Social Demand

Fanghui Yang
Changsha Medical University, Changsha, Hunan, 410219, China

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Abstract: In order to improve the level of medical laboratory technology, medical specialty needs to be guided by social demand, explore medical laboratory technology, reform professional practice content, strengthen the training of medical laboratory technical personnel, and construct perfect talent training mode, which is the content that colleges and universities need to pay attention to in the future stage. At the same time, it is necessary to strengthen the training of teachers with double-qualified quality, establish a perfect practical teaching system, improve the conditions of practical teaching, introduce big data technology, network information technology, build efficient network information platform, carry out school management reasonably, ensure the unity of students' study and work in school, establish simulation practice base, train students' practical operation ability, standardize students' behavior and cultivate students' ability to deal with work independently according to industry post standards.

1. Reform Ideas

In order to meet the practical needs, medical laboratory technology is a subject which combines clinical medicine with modern laboratory science in colleges and universities. Therefore, in order to meet the practical needs, it is necessary to make clear the educational focus, understand the educational development concept, according to the social development needs, employment-oriented and service-oriented approach, let students learn through professional knowledge, understand the theory and skills of medical examination, and develop core competence. To solve the common problems of emphasizing theory and neglecting practice in colleges and universities, to attach importance to teaching quality, to solve the problems existing in traditional medical education mode, and to improve the practical ability of art students in colleges and universities, the following will focus on the reform of medical laboratory technology specialty, and analyze the practical reform work in colleges and universities.

In carrying out medical examination technology, medical school needs to reformulate the teaching system according to the teaching requirements of the Ministry of Education, arrange the teaching practice reasonably, and make clear the goal of training talents, set the relevant standards, define the contents of laboratory work, make the index of students' laboratory ability according to the educational requirements and the society's demand for relevant professionals, consider whether students can do the relevant work according to the teaching content, and consider whether the students have the influence of academic education mode in our country. Therefore, when medical school carries out medical examination technology teaching work in the future, it is necessary to target most of the students who have graduated from medical examination technology in our country, and do not have the ability of good practice and can not adapt to the reality of the work. To this end, colleges and universities need to strengthen practical teaching according to the results of social feedback, enhance students' understanding of specialty, strengthen students' practical ability, provide high-skilled and high-quality compound talents to the society. Improve students' hands-on ability.

2. Reform Methodology

According to the needs of the society, the medical school needs to investigate the work situation
of the graduates, understand the students' performance in the work, analyze the information content, study the problems in the teaching, and give the training plan.

2.1. Increasing the Proportion of Practical Teaching

In order to ensure that students can better learn professional knowledge to meet the needs of the society for talent. Therefore, colleges and universities need to make clear the training goal from the perspective of practical talent training, at the same time, in the process of medical and health reform, we should revise the teaching plan so that it can better reflect the advantages of medical laboratory technical vocational education.

2.2. Adjusting the Teaching System

In order to strengthen the teaching effect, it is necessary to make clear the teaching goal, the medical school should pay attention to the training of talents' professional skills, promote the reform process according to the contents of the national medical and health reform, revise the teaching plan and embody the characteristics of medical laboratory technical vocational education. After formulating the new teaching system, it is necessary to integrate the contents of each chapter reasonably according to the rhythm of students' ability training, break the boundaries of the original curriculum chapters, take practical theory as the main line, and focus on cultivating students' practical ability.

2.3. Advance Objective Management

In order to strengthen students' personal skills, it is also necessary to introduce relevant systems to ensure that teachers' work can be carried out smoothly. Therefore, medical schools need to reasonably compile clinical practice activities according to the contents of clinical practice, and clarify students' responsibilities in practical activities. Medical school should also carry out regular inspection and examination work, and take the results of examination as an important reference index to evaluate students' performance, so as to ensure that students can form good practical ability during school.

2.4. Open Laboratories

Medical school should open the laboratory to cultivate students' innovative spirit, which is an effective way to cultivate students' practical and innovative ability at present. To study the relationship between classroom time and practical class hours, to balance all aspects of elements, to ensure that students can complete the experiment in the experimental classroom, according to the operation method, without considering the experimental results, so that students can quit dependence psychology, better cultivate students' practical ability, and create a good learning environment for students. Open laboratory, so that students can have more opportunities to understand the use of laboratory equipment, and its configuration, grasp the relevant details, can prevent students in the actual work of blind operation of the adverse consequences, let students design some simple programs, guide students to gradually complete the experimental work, improve students' self-confidence, figure 1 is open laboratory.
In order to improve students' enthusiasm for learning, teachers should also give students certain encouragement, stimulate students' innovative spirit, and cultivate students' confidence in participating in experiments, so as to solve the problem that students are not active in learning and not participating in practical activities in the past practical activities. In daily activities, we also need to deepen communication and communication between teachers and students, improve learning efficiency through joint discussions, ensure that students can be guided by teachers' funds during the opening of the laboratory, avoid problems existing during the activities, and let students find their own cognitive deviations in the activities. So that students can open the classroom, more in-depth grasp of professional theoretical knowledge, improve the proficiency of students' operational skills.

2.5. Building a Team of Teachers

The medical school also needs to strengthen the input of the teaching staff and train the high quality and high skill teaching staff, which is an important prerequisite to ensure the orderly development of the teaching work. To this end, medical school needs to focus on medical laboratory technology, clear the core of the major, according to the teaching objectives, reasonable teaching work, so that students can master the theoretical knowledge of medical laboratory technology, through practical activities, improve students' operational skills. In order to ensure that the teaching results can achieve the envisaged goal, we need to promote the team of double-qualified quality teachers, teachers must have a complete knowledge system, have a very deep understanding of professional technical knowledge and theoretical knowledge, but also need to have professional guidance ability, professional technical ability, education and teaching ability, so that teachers can better carry out medical testing technology education work, for the society to cultivate more skilled and high-quality complex talents, figure 2 is a teacher seminar.

![Figure 2 Teacher seminars](image)

2.6. Implementation of the Assessment System

In order for each student to have sufficient opportunities to get exercise in practical activities, it is necessary to let each student operate alone, let the students complete the relevant experimental contents alone according to the randomly selected project, and improve their personal ability through practical homework. Teachers should also give objective evaluation to students' practical operation performance, examine students' operation skills according to the examination system of clinical test operation skills, and rate students' whole activities so that students can understand what their shortcomings are. For failing students, they can have the opportunity of a supplementary examination.
3. Conclusion

Medical school needs to understand the needs of the industry, take social needs as the guide, attach importance to practical teaching, regard it as the key to the reform of medical testing technology and talent training mode. From the practical point of view, we should perfect the teaching content, optimize the teaching mode, enhance the proportion of practical teaching, create a good background for students' practical activities, standardize students' behavior, assess students' activity performance, and make the course contact with the profession from zero distance.

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References

