

Optimization of Medical Teaching Methods

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Abstract. In order to achieve the goal of medical education, medicine and adapt to changes in the way doctors work, with the rapid medical teaching methods of modern science and technology must be reformed. Based on the current status of teaching in medical colleges method to analyze the formation and development of medical teaching methods, characteristics, about how to achieve optimal medical teaching methods for medical education teachers and management workers comprehensive and thorough change teaching ideas and teaching concepts provide a theoretical basis.

Introduction

Medical teaching methods teachers in medical colleges to complete a specific task of teaching, training of qualified clinicians various means used for a long time, teaching activities of medical institutions has been the traditional classroom teaching as the main method. Traditional teaching methods controllable, high teaching efficiency, the amount of information passed significant advantages, economic and simple and so on. However, with the rapid development of modern science and technology and social continuous improvement of medical personnel training requirements, the drawbacks of traditional teaching methods are becoming increasingly apparent. People in today's society the most urgent need is to acquire knowledge, application of knowledge and innovation ability and comprehensive knowledge of quality, and traditional teaching methods to some extent affected the medical students' enthusiasm, initiative and creativity to play.

With the vigorous development of medical education, medical reform of teaching methods have gradually attracted the attention of educators, a variety of teaching methods in medical teaching. As the basis of medical education, the introduction of multimedia courseware teaching, so some courses from microscopic to macroscopic morphology; the introduction of role-playing in the professional foundation courses in law, the creation of some specific situations, not only increasing the students' interest, while strengthening the students 'moral construction; in clinical teaching, the introduction of bedside teaching method, case analysis, selecting typical cases, stimulate students' thinking skills[1]. A variety of teaching methods in teaching application for the teaching process of teaching and learning has injected vitality and improve the quality of teaching.

Meanwhile, with the development of computer technology, computer multimedia technology, network technology, simulation technology and a variety of modern simulation technology combines people and technology, medical teaching methods also with the rapid change of modern science and technology. Abandon the past that simply impart knowledge of teaching methods, use more effective teaching methods to meet the needs of clinicians culture, and how to optimize a variety of teaching methods will be applied in practice every problem facing medical educators engaged , investigation and analysis of medical teaching methods how to optimize in reality has an important significance.

Therefore, based on the current status of medical colleges and medical teaching methods, the analysis method of forming a medical education, development, characteristics, focuses on medical teaching methods optimized implementation that function in a variety of ways to complement each other to some extent, improve to promote student interest in learning, but also to a certain extent on the teachers and students to achieve the best teaching results in the case of the minimum necessary to spend time and effort to achieve the purpose of optimizing the teaching process, improve the quality of medical education, culture with Chinese characteristics Medical personnel of socialist modernization.

Overview of medical teaching methods

Medical teaching of the medicine is divided into three phases, namely medical public courses, basic medical courses, specialized courses teaching mode, or collectively referred to as the foundation stage (including medical public courses, medical basic course) and clinical stage (including clinical practice and clinical practice teaching), the teaching methods used to instill traditional teaching methods based, teacher-centered, classroom-centered, textbook-centered, discipline-centered, for the purpose of imparting knowledge; emphasis on theoretical knowledge teach, contempt practical skills training operations and research capacity, resulting in a disjointed students and practice, limiting students' independent thinking and self-learning ability; lack of student social adaptation ability, training and innovation communication skills, personality development and human qualities education. The early 2000s, there have been a number of medical school adopt a problem-centered instruction (Problem-based Learning, called PBL), standardized patients (Standardized Patients, referred SP) and computer simulation teaching, creating a new era of medical teaching methods.

Formation of teaching methods, development. Our method starts with the tradition of medical teaching, "with the teacher apprentice" mode, is essentially individual teaching system, what master pay, what students learn, master how to teach students how to learn. Early 20th century returned students set up medical hospitals in the country, using the class system to train more medical personnel. The introduction of the mid-20th century, the Soviet education system to teach, instill knowledge-based teaching methods, since the 1980s to participatory, heuristic, discussion, comprehensive knowledge and skills of teaching and 90 years the introduction of standardized patients, computer simulation teaching method[2]. With the spread and influence of western culture, science and technology, in the late 1990s of Medical Colleges has also been introduced to promote new modern teaching methods, in the developed areas in the first use of PBL, SP and computer simulation teaching. In recent years, people began the modern analog participatory teaching to remote network teaching system based on medical teaching methods.

Characteristics of teaching methods. Medical teaching methods in medical colleges and other disciplines are quite different, with characteristics of medical education in medical colleges reflect

personality. For teachers and students together to complete the task of teaching, in teaching and learning in the bilateral activities taken various working methods and tools, including teachers and a method of teaching students to learn. Medical teaching institutions of higher learning in training objectives, teaching tasks, teaching content, teaching objects, etc., in a nutshell there are characteristics of the following aspects. Nature Medicine belong to professional education, professional curriculum in various categories, complex and diverse teaching content, which also determines the complexity of teaching methods, diversity and multi-level nature. At the same time, the requirements of professionalism in the implementation of teaching methods should be reflected in the overall development of medical students, German industry complementary, lifelong learning rule.

Medical teaching content specialization characteristics significantly large amount of information, more content, hours large. This requires teachers to teach in a planned step by step, students get more time in the plan, more systematic knowledge, teachers teach incisive analysis, feasibility studies, in simple terms located the suspect, resolving to develop students' cognitive abilities and logical thinking ability, so that students learn to observe, analyze, problem-solving method. Student-centered teaching methods, all taught by teachers teaching content entirely difficult to achieve, we must rely on self-study is complete[3]. Universities independence of medical students increased, so that the composition of both the proportion of teaching methods in the whole system has undergone great changes - teachers teach ingredients gradually reduced, self-learning component with increasing grade increment. Also in line with modern teaching methods - transition "to learn from professors type conductivity type" teaching methods.

Medical College Teachers also physicians, in their exploration of the mystery of human life in the process, also continue to carry out self-scientific practice, research and practice these valuable ability is bound to show up in the teaching process. Teachers will own and others' research topics, design and methods, integration in the teaching process. Therefore medical teaching always permeated with a surge of research trends. Interpenetration and this combination of teaching methods

and the scientific method, students at the school will be subject to the influence of the air training strong academic and scientific thinking ability, and lay a good foundation for medical students taught.

Optimization of teaching methods .Optimization of medical teaching methods, according to medical teachers teaching law and principles of medical education in the process of working methods and medical students to learn the best choice and design, in order to achieve the purpose of teaching within the stipulated period of time, to achieve the best teaching benefits. So that teachers and medical students medicine initiative of the fullest and to maximize the likelihood of realization. Evaluation of teaching methods is not optimal, objective criteria which are: in the teaching process, teaching at a predetermined time, can make full use of the existing teaching conditions, the aims of education as a whole, so that the teaching of a variety of tasks, hierarchical, functional and elements can combine coordinated so that each medical students have been physically and mentally the full and harmonious development, in order to achieve the greatest possible effectiveness of teaching. Optimization is relative, is optimized under certain objective conditions, in recent years, the reform of teaching methods carried out over the many useful experiments proposed inquiry teaching, mentoring teaching, discovery teaching, self tutoring, Creative Teaching Problems teaching, teaching methods such as unit goal, we can learn according to their own conditions.

Optimized for teaching methods. First, teachers need to be familiar with the medical syllabus, clear teaching purposes. Teaching is a purposeful planned activities aimed at teaching the fundamental basis for the implementation of teaching, is a measure of the quality of teaching standards. Training syllabus is based on the goals and teaching plans, Division develop guidance documents, the provisions of the various professional disciplines of teaching purposes, tasks, teaching content and time. Therefore, we must be clear educational purposes, we must first thoroughly study and research curriculum. Meanwhile, medical teachers to study teaching content, Medical Colleges range on each course teaching content is concerned, in addition to textbooks, teaching materials as well as distinctive self employed various medical colleges. Medical teachers choose to do different teaching methods based on different teaching materials, must deeply

understand and master the teaching materials, and to outline the center, surrounded by medical students to quickly and accurately understand and grasp the materials to prepare teaching content.

Secondly, medical teachers should understand the characteristics of medical students, students are learning the subject, a comprehensive understanding of the situation of medical students, help maximize student initiative. A comprehensive understanding of the characteristics of medical students, including students' learning, the learning process heavy and difficult, from reality, teaching for most students. Meanwhile, medical teachers should choose to create advantages for personal teaching methods and styles, weaknesses, there is self-knowledge, and often continue to carry out self-analysis. Choose appropriate and advanced teaching methods, such as teaching slides, television, film teaching, PBL, SP, computer simulation teaching. And they want to do with the times, in the teaching process, according to the teaching environment, objects, teaching feedback, timing and other constantly changing, so the best control.

In addition, medical school teaching methods to create optimized environments are divided into "hard environment" and "soft environment" school "hard environment" refers to the school have a real impact on the physical and mental development of students, there are more specific requirements and Specific evaluation criteria of objective conditions, such as school discipline in setting the school's general management system, investment funds of teaching and teaching equipment and the surrounding environment. And "hard environment" corresponds to the "soft environment" refers to the school in an objective existence, mainly by teachers and seize control of a subtle way to physical and mental development of students produce real impact of the conditions. In a nutshell it includes four aspects, namely, school and class atmosphere; medical teaching educational methods; medical teaching personality characteristics and mental health. Only schools create better teaching methods to optimize various conditions, medical teachers engaged in teaching work, you can ease to choose their own teaching methods and teaching students to learn, to achieve optimal teaching methods. Meanwhile, school teachers should pay attention to medical training, and constantly enrich the

variety of ways to take medicine faculty, so threw himself into the medical faculty of medical teaching, actively invest Reform and Practice of Medical Teaching method.

Significance

Through the Internet to retrieve the country after the research literature on medical teaching methods and carefully read and analyzed existing research found that more traditional teaching methods is to clarify the medical problems of the reform in order to point out the necessity of reform, or report some fragmentary teaching methods experience in the medical curriculum in particular, good results after application. However, studies how to optimize medical teaching methods in practice throughout the teaching, had not yet retrieved.

This paper discusses the characteristics and classification systematically formation and development of medical teaching methods, medical teaching methods, refining and summarize existing experience, to provide some reference to China's current medical teaching methods and optimization. Through this article, we can deepen the medical institutions of medical workers, teachers and management of teaching methods and their importance for the understanding of optimization, prompting medical teaching methods and make better system optimization, in-depth thinking, strengthen the medical teaching methods research and promotion; teaching methods in medical applications, both focusing on teachers, "teaching", but also consider focusing on the students' study of law ", and put the two together organically, mutual promotion and continuous optimization of the entire teaching process, improving quality of medical education, train qualified medical personnel in line with the characteristics of China's socialist construction.

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