Analysis on the Present Situation and Countermeasures of the Examination Management of Chinese Medical Students' Qualification Examination

Dong Hui
Shan Dong University, China

Abstract:
Objective: The establishment of medical qualification system is an important measure for the government to carry out the access control of professional technicians in the medical and health professions. It is a relatively scientific and fair evaluation system. The management specialization, standardization and scientization of medical qualification examination have been improved ceaselessly, but still face many problems, whether from exam form, examination scope and examination content, or from the organization management of examination, etc. Compared with the mature physician practice examination in developed countries, there is a wide gap, which is badly in need of standardization, perfection and development.

Methods: By means of literature research and interview, this paper comprehensively analyzes the present situation of the qualification examination of medical teachers in China, and puts forward some countermeasures to solve the existing problems, aiming at providing useful reference for qualified examiners.

Results: Five measures to optimize the management of medical qualification examination are put forward. The government will improve the legal system and system construction of medical teachers' qualification examination management, and strengthen the guidance and management of the school. Give full play to the relevant functions of social services. Use the modern technology to improve the authenticity of the simulation, improve the students' education level, and strictly control qualification examination; Explore the classification management system of practicing medicine teachers; Perfecting and reforming examination content and title design. To increase the knowledge of humanities and social science, to prevent medical knowledge and data application. Improve exam environment, strengthen examination and credit system construction, carry out paperless examination, continuously improve exam environment.

keywords: medical qualification; Examination management; Management specialization; Data application ability; hierarchical management system

1 Preface

The basis of China's qualification examination is "Practice Law of the People's Republic of China", which is an admittance examination for the qualification of health industry. It is mandatory and unique. In our country, only obtain medical qualification certificate, and complete the practice registration, can be engaged in doctor profession. Medical students applying for medical qualifications pass examinations and pass examinations, the National Health and Family Planning Commission shall uniformly print and distribute practising certificate of qualification of medical practitioners. The certificate holds that the holder has the ability and skill to independently engage in medical and health activities. Within the scope prescribed by the law of "Practice Law of the People's Republic of China", it shall be permanently valid. Physician's qualification certificate is not only an important criterion for judging occupational ability, but also an important basis and legal basis for medical, preventive and health-care organization.

Due to the late start of practicing medicine qualification examination system in our country, the present examination
system is not perfect, there are some problems which need to be solved urgently, such as the backward management method, the examination content and the examination mode, the standardization degree of examination management and the non-standard examination management. The practice ability of medical practitioners that make some self-qualified medical practitioners not meet the ever-increasing demands of the masses on medical and health technology can not meet the change of new medical technology and new methods at home and abroad. To a great extent, it is not conducive to the treatment and maintenance of the whole medical social environment and doctor-patient relationship, but the root cause lies in the lack of keeping up with the needs of the masses and the progress of the times. At the same time, the state-issued "CPC Central Committee: Opinion on Deepening the Reform of Medical and Health System" has put forward new requirements for the construction of our current doctor contingent and the reform of medical and health system. Therefore, we must earnestly study the current situation of the qualification examination management of Chinese medicine practitioners, and put forward relevant measures to meet the needs of the people on medical and health services, to set up the Chinese characteristic medical satellite TV system and improve the quality of medical and health service of the people.

The research object of this paper is the qualification examination management of Chinese medical practitioners, which is not only the requirement of the qualification examination management of our country, but also the need of improving the overall quality of doctors and safeguarding the interests of the people. It has important guiding significance.

2 Literature review

The author has found that the qualification examination of American medical practitioners is relatively early, and its management and system are relatively mature. In the United States, USMLE is divided into three levels, according to the U. S. Medical Practitioners Licensing Examination related provisions, American medical school students must pass the first-level exam, only qualified to enter the clinical stage of study. The contents of the examination mainly focus on the study of the basic subjects, mainly investigating the anatomy, physiology, pathology, pharmacology, biochemistry, microbiology, statistics and behavioral medicine. The American career doctor took an exam of about 1 hour, achieving 192 points, or 2. In the United States, after completing the first phase of the exam, students will be able to take the second phase of the exam by the fourth year, and the second phase of the exam will only qualify for a medical degree. The primary test is to examine and evaluate students' ability to provide medical knowledge, clinical skills, and so on[3]. The two-stage examination is divided into two parts: clinical medicine knowledge (Clinical Knowledge, CK) and clinical medicine skills (Clinical Skills, CS). CK examination mainly inspects the examinee's hand grip on obstetrics, gynecology, psychiatry, pediatrics, epidemiology, ethics and so on. CS is an examination of true case diagnoses, including the ability to collect, general physical examination, and communication and communication with patients.

Standardized patients (SP) will rate candidates' ability to communicate and communicate. Dorothy A Andriole, MD, FACS, Yan Yah, MD, MHS, Phi, Donna B Jeffe, PhDs, in their articles[4], draw the conclusion that the strict management of the hospital will affect the performance of the candidates during the surgical practice, while the candidates' practice scores are directly proportional to the probability of the success of the last practitioner qualification certificate. Michael Green, Nancy Angoff and John Encandela, points out in his article[5] that candidates will be affected by the impact of test managers, SP patients, or examiners on the impact of test managers, SP patients, or examiners, resulting in more or less impact on the results of the exam; NADINE E. Foster, Anthony Delitto in his article[6] points out that examinee's anxiety and major influence the performance of the exam, the examination management is a systematic project, in order to improve the examinee's performance can strengthen the examinee's psychological counseling; James V. Condon, Eddie Amanda C. Barrifield, EdD in his article[7] in the medical qualification examination management of the population structure and examinee's professional level will affect the examination management and the examinee's performance.
Due to the late start of medical teachers' qualification in China, there are relatively few studies on medical qualification examination management. In the process of collecting relevant documents and materials, the author mainly focused on several aspects: Ling Yu and other teachers in their article "Investigation on the Qualification Examination Management of Medical Proficiency Test from the Examination of Medical Students' Qualification Examination and Prevention" [7], pointed out that the current Chinese medical teacher qualification examination has examinee cheating in the present situation, It also points out that the examination system and the mode are single, the country's legal construction in the examination management is weak, the training strength of the invigilator needs to be strengthened and the lack of examination integrity system, and finally puts forward the reform examination system and the mode, Strengthen the publicity of the laws and regulations of the examinee, strengthen the construction of the integrity management system of the examination and so on; In its article "Sampling Investigation and Analysis of National Medical Students' Qualification Examination" [8], Mr. Guo and other teachers point out that they have passed an anonymous survey of candidates in several provinces in the country in relation to the qualifications of medical practitioners, After analyzing the test mode and the test result, it is concluded that the problems of the qualification examination management in China, especially the skill examination, are more prominent, mainly due to the neglect of the management, the unfamiliar business, and some of the invigilators practicing favoritism. The things that disturb the order of the examination room have taken place, causing a very bad social impact. To this end, the article suggests that we should strengthen the construction of the administrative organ of examiners, and increase the professional training of examiners, especially those who take part in the skill test scores, so as to improve their business ability and comprehensive quality. In her article "Thoughts on Information Management of Examinees for Medical Proficiency Test" [9], Mr. Lengxia pointed out that the information management of candidates in the course of examination management is very important. At present, the information management of examinee is low, the confidentiality is poor, the examinee is not convenient to update the information and not easy to inquire about the present situation, The problem is that our country participates in the practice medicine qualification examination every year the number, the widespread, the examinee information cheating, network equipment and the information construction is not perfect, this must give examinee to open an online information inquiry confirmation system, Each year the examination time gives the examinee a chance to change the information, the qualified examinee sign up the information software and the practicing physician registration software networking and other measures, strengthens the examinee information management; In the article "Investigation on the Examination of Medical Students Qualification Examination on the basis of the investigation of cheating and prevention of medical qualification examination", Tong Jing Dong and other teachers pointed out that the present situation of the medical teachers' qualification examination is mainly manifested in the examinee tape copy, in the exam process plagiarism, please the gunman substitutes test, in the examination process in the ear, peep into other people's answers and other ways to carry on. In order to avoid the spread of this kind of behavior effectively, it is necessary to strengthen the management of medical teachers' qualification examination to give full play to the organization and management of qualification examination and qualification medicine comprehensive written examination, and conscientiously carry out the duties of work; In article "Some Problems and Countermeasures in the Examination of Medical Students' Qualification Examination" [10] of the article, Zhao Lai-xi pointed out that there are four levels of leadership, decision-making, coordination and operating level in the management of medical teachers' qualification examination in China, and the communication between the Technology Department gate and the functional area of the exam is not clear. In some examination areas, there is no special practice medical examination organization, so it is difficult to examine the number of qualifications for examination and enrolment, so it is necessary to clarify the functions and responsibilities of different departments, give full play to the organizational coordination and macro-
guidance function of the core departments, and clarify the eligibility criteria for the qualification examination. To ensure the smooth progress of medical teachers' qualification examination management by taking measures such as exam irregularities and so on. In the article "Present Situation and Development Countermeasures of Medical Students Qualification Examination Agencies and Examiners in China"[11], Professor Su Bin pointed out that, At present, China's medical teacher qualification examination management focus should be placed on the examination of the organization management, Among them, Should take the examination organization's establishment and the examiner's management as the core of the management work. In the concrete work, we should strengthen the supervision of the examiners at the same time to establish the examination staff's avoidance system, the selection system and the evaluation system and so on, in order to ensure the orderly development of the medical staff qualification examination management. In the article "Comparison and Revelation of the Outline of Chinese-American Medical Proficiency Test"[12], Mr. He compares two countries in China and the United States on the examination content, outline, written test subjects, the basis of the examination, the way to determine the contents of the examination, the validity of the examination, and so on. It is pointed out that our country's medical qualification examination content is a single, does not pay attention to the actual problem solving ability, the examination intensity is too small, neglects the comprehensive question inspection and so on the question, and the United States has a very big gap, we should combine our country's actual situation, positively to the United States study, Improve the comprehensive quality of our doctor's team. In its article "Comparison and Revelation of the Qualification Examination between China and the United States"[13], Wang Qinjian gives a detailed description of the differences between China and the United States in the aspects of examination content, examination questions, qualifications and organization management, and puts forward measures to increase the proportion of practical skills, improve the qualifications of candidates and attach importance to the comprehensive quality of doctors. To optimize our doctor's team. In their article "A Comparative Study on the Qualification Practice Skills of Chinese and American Medical Students"[14], Ms. Cai Yunfei and other teachers compare the examination content, examination methods and organizational management of the medical examiners' qualification examination, and point out that our country is examining physician's working ability to solve practical problems. In order to improve the quality of the exam, we should establish standardized test methods, real exam environment, professional examination management, etc. to improve the quality of examination. In article "Examination and Development Trend of Foreign Medical Proficiency Test"[15], Wang Qinjian pointed out that the American physician test scores three parts, in three different stages, in the examination process using standardized patients, examination candidates and patients and co-workers communication skills; At the same time, the contents of the British Medical Proficiency Test are described in this paper, which includes two parts: professional knowledge and skills, and proficiency in English.

On the comprehensive analysis, we can learn from the analysis of domestic and foreign literature that China's practice medicine qualification examination has a great gap compared with other countries such as the United States, such as the syllabus, the way of examination, the content of examination and the evaluation of examination, etc. At the same time, our current research mainly focuses on the status of medical qualification examination management, the problem and the influence of the passing rate of the qualification examination and the management system of medical staff qualification examination in improving the teaching quality of medical colleges and universities. These studies will pave the way for further research into our next step.

3 The Status Quo of the Qualification Examination Management of Chinese Medical Practitioners

3.1 The Development Course of the Qualification Examination Management System in China

The management of doctors in our country has been recorded in the Western Zhou era, and the current written records of the Tang Law stipulate that the official requisition by the doctor must pass the examination; Meta seal (ritual
ministry) regulation 3 years 1 time big test, its pass person can be able to work; The "Da Ming Huidian" is required to pass the examination to select the doctor who is too hospital; The "Examination Regulations of Western Medical Practitioners for Advanced Exams" issued by the 1939 affirms that western medical practitioners must pass the doctor's examination; The "medical teacher's law" issued by 1943 determines the doctor's examination system, but it is difficult to carry out under the background of the times.

After the founding of New China, population growth accelerated and demand for medical and health resources was also increasing. At that time, medical and health resources were unable to meet the needs of the broad masses of people, which could be said that medical and health technology hardware facilities and software facilities were both poor and the quality of the medical staff was uneven. In order to solve the contradiction between the medical and health technical staff and the people's demand for basic medical and health services. 1951 issued by "Interim Regulations of the Chinese Physician", "Physician Interim Regulations" allow more than 4 years of public and private medical school graduates to practice medicine directly, did not form a unified admission threshold. With the reform and opening and the progress of economic and social development, the people's demand for medical and health resources is further improved, and the existing medical and health teams cannot meet the needs of high-quality medical services of the masses and the medical resources are tight. In order to meet the needs of the people's diversified medical and health care, the state trains medical and health teams with excellent technical ability and excellent quality. In the early 1980s, the original state department of health began to formulate a "Practice Law of the People's Republic of China", and in June 1998, the medical qualification examination was listed as the basic content of the "law of practicing medicine". With the improvement of the access system of doctors, a special medical examination center for doctors has been set up, which is directly affiliated to the Ministry of Health, and is organizing the first medical qualification examination in the 1999. After so many years of development, the practice of medical qualification examination is the choice of history. It is the choice of the people and the important decision made by the Party and state. It plays an active role in standardizing the construction of doctors, improving the quality of doctors' practice and ensuring the quality and safety of medical care.

3.2 The Provisions on the Qualification Management of the Qualification Examination for Medical Professionals in China

According to the provisions of the "Practice Law of the People's Republic of China", the qualification of practicing medical practitioners in our country is divided into two grades and clinical, traditional Chinese medicine, oral and public health. In accordance with the relevant laws, the original Ministry of Health has formulated the "Qualification Requirements for Qualification Examination for Licensed Medical Professionals", and has made several revisions according to the actual situation, and the "Qualification Requirements" made specific provisions on the qualifications of medical students in different grades and professions, and their professional and working years.

3.2.1 Academic qualifications and professional requirements

For examinee of medical qualification examination, the graduate degree of the graduate student during the period of post-graduate study, at the same time must satisfy the doctor examiner enrolment qualification, the probation medical institution also must accord with the condition, and probation time must be accumulative total 1 year, The computation time was the day before the medical comprehensive written examination. Candidates for the bachelor's degree, whose specialty meets the requirements of enrolment, can apply for an examination assistant medical practitioner in current year. With the approval of the provincial level education and the administrative department of public health, the number of medical specialties established by the administrative department of medicine shall be required to enter the school before the December 31, 2004, and its specialist
education may serve as the basis for the qualification of the medical examiner; Candidates with secondary vocational qualifications enter the medical qualification examination, and the admission time must be prior to the September 1, 2010. After the medical professional examinee obtains the doctor's qualification certificate, his post must be confined in the village health room. For students majoring in health care, their admission time must be prior to the end of December 2000, before the end of December 2010, their academic qualifications may be used as the qualification of the clinical practice assistant medical students. After obtaining an assistant medical qualification for health-care professional graduates, the place of practice is restricted to the village clinic. Candidates who have a degree in secondary technical secondary school, major in "community medicine" and "preventive medicine", may apply for practicing assistant medical practitioners, but their admission time must be met before the end of August 2001. The degree of health vocational high school is not the basis for the qualification of medical examiners.

3.2.2 Requirements for academic qualifications and working years

(1) Bachelor degree or above: After graduation, complete 1 year of probation in designated medical and health institutions under the guidance of the instructor, and sign up for the qualification examination for practicing medicine; (2) College and the following qualifications: After graduation, completed under the guidance of the instructor, in a designated medical and health organization for a full 1 year, may enter the practice assistant medical qualification examination. Among them, the examinee of junior college degree obtains assistant consul qualification certificate and register, the job is full 2 years can continue to apply for the practice medical teacher qualification; Candidates with a secondary technical secondary school may continue to apply for the qualification of practicing medicine for five years after obtaining an assistant qualification certificate and registering. (3) Profession and classification respect: Medical qualification examination is divided into clinical, Chinese medicine, oral, public health 4 big categories, examinee newspaper examination major must be in accordance with the study profession, must not cross the professional newspaper examination (4) Chinese medicine category to have no formal education, Those who do have special expertise in TCM or Chinese medicine shall satisfy the three-year or five-year study practice, and pass through the competent department of health administration at or above the county level to determine, or pass through the examination and approval of the unified organization of traditional medical professional organizations, medical or preventive health care institutions, Eligible to qualify as a practicing assistant.

3.3 Practice Skills Examinations and written Test Management Disequilibrium

Medical qualification examination is divided into two parts: practical skill examination and medical comprehensive written examination. (1) Practice Skills Exams: Practice Skills Examinations are an important means of evaluating doctors' qualifications and abilities in skills and clinical thinking, using examiners' questions and examinees' responses and examiners to rate candidates on site performance. The practice skill examination is divided into three-station examination according to the examination content, mainly from case analysis, medical history acquisition, medical basic operation and first aid technology application, etc., and each examinee must be tested at the same test base. The total score of the three stations is 100,60 is divided into qualified scores. Candidates must pass the practical skills exam to qualify for the medical comprehensive written examination. (2) The medical comprehensive written examination adopts the test-pen examination and the man-machine dialogue examination forms, the examination content also tends to be scientific and reasonable.

3.4 Examination administration organization is loose, the quality of examiner management needs to be improved

The examination management mainly includes the system construction management, the organization setting up and the examiner's management, the examination qualification management, the examination place management, the examination discipline examination and the examination security management. The examination management mainly lies in the organization setting and the personnel management two aspects. Institutional settings. In the current practice
medical examiner's qualification examination management organization, the national medical examination center, the examination area, the examination point is the present practice medical teacher qualification examination the specific executive branch of the management work. However, due to the local differences, some places have set up special medical examination institutions, in some places, the medical examiners administration work is borne by the administrative department of health. Personnel management. The examiner is an important guarantee for the smooth and high quality of the administrative work, and assumes the important work of the qualification examination, the selection and training of examiners and examiners, the setting up of the base and the arrangement of the examination room, and the standardization of the management of the examiners. It even influences the objectivity and impartiality of the examinee's achievement directly.

4.3 Reforms to Improve the Examination of Practitioners

In terms of exam subjects and syllabus requirements, our country focuses on the assessment of medical professional basic courses, but neglects the comprehensive quality of the physician, especially the psychological quality of the physician, and the communication ability of the patient. In contrast, the western developed countries, in addition to paying attention to the examinee's professional knowledge, the comprehensive quality of the physician's survey also occupies a large proportion. Especially for health education, management-related theories, psychological knowledge, mathematical statistics related knowledge in the scope of assessment, the comprehensive quality of the doctor has put forward a comprehensive request. Therefore, the relevant departments of our country should refer to the "Chinese undergraduate medical education standard" and "International Standard for Undergraduate Medical Education", and we should supplement the relevant content according to our current environment based on the qualification examination.

4.4 Strengthening the Construction of Honesty System of Medical Teachers' Qualification Examination

To carry out sincere education, strengthen good faith management, establish good faith archives, aim to reduce cheating. On the one hand, we should strengthen the honest education of examinees from the aspects of the schools, employers and examiners, through the conduct of good faith education, actively create an honorable and disgraceful atmosphere of public opinion, and establish a system for examinees to sign the letter of integrity. In the acceptance book, clearly stipulate that every examinee who cheat in the exam reports directly to the unit, has its unit to make corresponding punishment system; On the other hand, the state set up a special examinee trustworthiness archives database and blacklist, face the society to open, supply unit of choose and employ persons, the bank and so on important
enterprise enterprise unit inquires, enables examinee to realize the sincerity to the examinee's future life the importance, can effectively curb cheating from the source.

5 Conclusion

The qualification examination of medical practitioners is the entrance examination of the physician, and the professional level of the practicing physician is directly related to the patient's health and life safety. We should recognize the importance and inevitability of strengthening the management of practicing medicine qualification examination to the state, nation and people. Due to our special national conditions, especially now there are relatively low academic qualifications, the number of practitioners is beginning to take shape, but there are gaps in management, there is a lot of defects and inadequacies in the management of the qualification examination of medical practitioners, and we need to go out actively. To study the advanced practice and experience of foreign students, especially in the United States, in the qualification examination of practicing medicine, and to construct the syllabus, system and management mechanism of Chinese characteristics with the combination of our practical situation. Therefore, it has higher theoretical value and practical value to regulate and manage the qualification examination.

References


