

Exploration and Prospect of the Mode of International Collaborative Education Model of Traditional Chinese Medicine Talents

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Abstract: *With the promotion of globalization, the international collaborative education model has become increasingly popular. As an important cultural field in China, the demand for international talents in traditional Chinese medicine is also increasing. It is crucial to explore a unique international collaborative education model suitable for traditional Chinese medicine talents by conducting in-depth research on the current status of international collaborative education models and combining them with traditional Chinese medicine. Such research can not only promote the development of traditional Chinese medicine, but also provide more ideas for the international collaborative education model.*

Keywords: International collaborative education model, Traditional Chinese Medicine, International curriculum system.

1. Introduction

With the development of globalization and "Belt and Road" construction and China's rising international influence, the International Collaborative Education Model (ICEM) is gradually emerging in China [1]. The international collaborative education mode not only conforms to the international situation and the development of China, but also responds to the requirements of the Communist Party of China for cultivating high-quality international outstanding talents, which can further promote the training of international, export-oriented, compound and innovative talents. The exploration of ICEM of Traditional Chinese Medicine (TCM) talents is an important measure for TCM to adapt to the development trend of globalization and enhance its international influence. The Plan for the Development of TCM Talents in China points out that the layout of talent teams should be optimized and the training of international TCM talents should be strengthened [2]. At present, the ICEM has been explored and studied in various fields.

TCM stands out from others in its international education model due to its profound historical background, unique theoretical system, and cultural heritage. Based on the theoretical basis of ICEM, this paper discusses the connotation, necessity and feasibility of ICEM. This paper summarizes the opportunities and challenges faced by the ICEM, and explores an unique ICEM suitable for TCM talents based on the culture of TCM and the special characteristics of TCM talents. The aim is to provide suggestions and assistance for the construction of an international talent training system for TCM, and to provide strategies for further cultivating high-level international talents in traditional Chinese medicine, and to further promote the dissemination and development of TCM culture.

2. Theoretical Basis of ICEM

2.1 The Concept and Connotation of Collaborative Education

The collaborative education model requires multiple forces to participate together in the education process, forming an educational synergy and jointly promoting the comprehensive development of students. The main emphasis is on diversified participation and resource integration in education, aiming to achieve a more comprehensive and in-depth educational impact on students through mutual cooperation and support among different subjects. By coordinating all resources, including material resources, human resources and information resources, etc., the mode of collaborative education provides students with more abundant and diversified learning resources and environment.

In the process of education, all parties should establish an effective communication mechanism and cooperation platform, give full play to their own characteristics and advantages, complement each other, and jointly solve the problems encountered in the process of education. Collaborative education can not only improve the quality of education, but also promote the improvement of students' comprehensive quality, which is an important trend in the development of modern education [3].

2.2 The Necessity and Feasibility of ICEM

ICEM refers to the global cooperation and exchanges among different countries, regions, universities and institutions in the field of education to jointly cultivate talents. The necessity of ICEM is reflected in three aspects. The first is about the main position of talents. With the development of economic globalization, the demand for talents also tends to be international. The international collaborative education model helps to cultivate talents with international vision and cross-cultural communication skills. The second is the redistribution of educational resources, which can promote the sharing of educational resources. The third is international cooperation on climate change, public health and environmental protection. International cooperation needs to cultivate versatile talents who can meet these challenges [4].

The arrival of globalization and digital era not only reflects

the necessity of ICEM, but also provides the feasibility of ICEM. The development of the Internet and information technology makes distance education and online communication easy, providing technical support for international collaborative education. The education policies of many countries encourage international exchanges and cooperation, and provide policy support for collaborative education. Multinational companies and international organizations have an increasing demand for talents with international background, which provides a market demand for international collaborative education.

3. Opportunities and Challenges of ICEM

3.1 Opportunities of ICEM

The international collaborative education model provides a cross-cultural and even multi-cultural educational environment, helping students to contact and learn different educational contents, methods and cultural backgrounds. In the international collaborative education environment, students have the opportunity to communicate with students from different countries and cultural backgrounds, this cross-cultural interaction can be reflected in the following aspects.

Firstly, ICEM can improve cross-cultural communication ability of students. They have the opportunity to communicate with students or peers from different countries and cultural backgrounds. This cross-cultural interaction can greatly enhance their cross-cultural communication ability, which is crucial in the global working environment in the future.

Secondly, ICEM can promote innovative thinking, education methods and thinking of students. ICEM can stimulate students' innovative thinking. This multicultural integration provides students with more diverse thinking perspectives and helps them to adopt more flexible and innovative strategies when solving problems.

Thirdly, ICEM can enhance international competitiveness of students. Talents with international vision and cross-cultural communication ability are more competitive in the global market.

Finally, through cooperation with international famous universities and research institutions, students can have access to the most cutting-edge academic research and scientific and technological achievements. This kind of academic resources sharing helps to broaden the students' academic vision, stimulate their research interest, and provide strong support for their academic development.

3.2 Challenges of ICEM

ICEM not only creates opportunities, but also has many challenges due to different cultural backgrounds, educational concepts, educational systems and educational methods. First of all, in terms of language communication, the participants in ICEM come from different countries, and their mother languages are different, so the participants need to learn new languages and strengthen the accurate transmission and understanding of information.

Secondly, at the level of education system, different countries have their own unique educational concepts, teaching objectives and teaching modes. For example, some countries take critical thinking, while some countries adopt examination-oriented teaching mode. There are often distinct differences in educational content or curriculum. Although the discipline system is objective, different countries often adopt and choose different curriculum content under different cultural backgrounds or thinking cognition. In the process of international collaborative education, how to coordinate various differences in the education system and ensure the adaptability and effectiveness of education has become an inevitable and very important challenge.

At the same time, the inconsistency of national policies and regulations is a huge challenge. Each country for international education policy and visa policies and regulations have their own regulations, and many policies and regulations will change with the environment change. ICEM need to pay close attention to related policy changes, ensure education sustained and substantial.

Finally, ICEM faces technical challenges. Online education and remote communication become more and more important education mode, also plays an indispensable role in ICEM. Different countries have certain differences in the technical level, to overcome the difference is also the international collaborative education mode need to experience the process.

4. The Unique Significance of ICEM of TCM Talents

4.1 Inheritance of TCM Theory

The core of ICEM of TCM talents is to train professionals with solid theoretical foundation and clinical skills of TCM, to pass on the valuable experience of TCM and ensure the continuation of the unique diagnosis and treatment techniques and methods of TCM. The theoretical system of traditional Chinese medicine has experienced a long period from its origin to its development. It is a science studying human physiology, pathology, disease diagnosis and prevention. Under the guidance of ancient materialism and dialectics, it has gradually formed and developed through long-term medical practice. Guided by the theory of Traditional Chinese medicine, TCM theory is a theory to study the basic theory of TCM and the source, production, performance, efficacy and clinical application of various traditional Chinese medicine, including the contents of TCM classification theory, pharmacy theory, compatibility theory, preparation theory, medication method and many other aspects.

The establishment of the theoretical system of traditional Chinese medicine has a history of thousands of years, and is influenced by social culture, science and technology, medical and practice and other factors in different periods, with its inherent philosophical thoughts such as the theory of Yin and Yang. The inheritance of traditional Chinese medicine theory requires us to adhere to the principle of combining tradition and modernity [5]. While inheriting the theory and practical experience of traditional medicine, we should actively absorb modern advanced science and technology and research to further enrich the theory of traditional Chinese medicine.

ICEM can help TCM go to the world. Through the cooperation with international educational institutions, we can jointly cultivate TCM talents with international vision. This will not only contribute to the international dissemination of TCM theory and practice, but also contribute to the improvement and innovation of TCM theory.

4.2 The Spread of TCM Culture

TCM has absorbed the essence of the natural sciences and humanistic sciences in China in different periods, and carried the values and humanistic spirit of Chinese culture. TCM embodies the philosophical wisdom of nature and harmony, and embodies the rich connotation and core values of Chinese culture. ICEM of TCM talents has promoted the Chinese medicine culture to the world, which has become an important path for Chinese culture to "go global".

The key to the international communication of TCM culture is to cultivate a team of high-quality international compound talents, who are not only proficient in ICEM culture, but also master multiple languages, national conditions and cultures, and understand the characteristics of cross-cultural communication. ICEM not only values the cultivation of TCM professional theory and diagnosis and treatment skills, but also attaches attention to the dissemination and development of traditional Chinese medicine culture and its communication at home and abroad, which can cultivate talents of international communication of traditional Chinese medicine culture and further meet the practical needs of the rapid development of international communication of traditional Chinese medicine culture.

4.3 The Deepening of TCM Research

ICEM can promote exchanges among TCM scholars, share the latest research results and clinical experience, help integrate experts and resources in different fields, and improve the research level. International cooperation can bring more research funds and resources to various institutions and promote the deepening of TCM research. By holding international academic conferences and seminars, more scholars can have access to TCM knowledge, exchange the latest research results, technologies and methods, and promote the in-depth development of TCM research. International collaborative education promotes the combination of TCM research with advanced scientific research technologies and methods, such as modern biotechnology and information technology, to further reveal the action mechanism of TCM and improve the scientific nature and accuracy of the research. ICEM can promote the cooperation of internationally renowned enterprises, transform the research results into practical application faster, and promote the development of TCM industry.

In short, ICEM plays a key role in deepening TCM research, not only improving the quality and level of research, but also promoting the global dissemination and development of TCM.

5. The Construction of ICEM for TCM Talents

ICEM of TCM talents should clarify the training goal, that is,

to cultivate TCM talents with international vision. In the actual implementation process, many different universities or institutions should build corresponding cooperation platforms and set up a reasonable curriculum system based on the platform. At the same time, in order to strengthen the management of talents and ensure the smooth development of various educational activities, we the construction of international tutors should be strengthened in ensuring the quality of education and teaching.

5.1 Aiming at Cultivating International Talents

ICEM should adhere to the original intention of education, clarify the training goal, take the goal of cultivating high-quality talents with international vision and cross-cultural communication ability, and pay attention to the all-round development of students, including knowledge, ability, quality, culture and other aspects. In the process of cultivating international talents, the principle of student-centered must be adhered. In formulating specific education models, students' characteristics, interests and needs, should be considered. Combining with the characteristics of TCM and international development trends, ICEM should formulate personalized training programs, provide diversified learning resources and practical opportunities, and pay attention to cultivating students' international communication ability, innovation ability and practical skills.

5.2 Relying on the International Cooperation Platform

The international education cooperation platform is an important carrier for promoting international collaborative education of traditional Chinese medicine talents. The international cooperation platform can connect various institutions such as universities, large laboratories, and research bases from different countries, as well as educational resources and experts from various countries, providing a broad international cooperation stage for education, academic research, and talent. The construction of the international cooperation platform can be started from the following aspects.

First, the platform should give full play to the main role of talents, establish talent associations, academic associations and other organizations, so that talents can participate in the organization and liaison of international cooperation platforms.

The second is to integrate and coordinate resources. The construction and operation of the platform is a long-term work, which requires multiple coordination and collaboration, and the establishment of a scientific and efficient organization and management guarantee system, to ensure its smooth and sustainable development.

The third is to give full play to regional advantages. The platform should explore the unique resource advantages and cultural characteristics advantages of each region, implement the optimal allocation of regional international educational resources, so as to expand new space for international cooperation and enhance international competitiveness.

Fourth, in combination with the current development trend, such as combining with the current big data background, a big data platform can be established to comprehensively collect personnel information, research information, regional resources and other information, so as to accurately match target personnel and provide cooperation opportunities for international exchange and cooperation projects.

5.3 Taking the International Curriculum System as the Starting Point

The curriculum system of ICEM should integrate the educational concepts and teaching methods of different countries and regions, cover multicultural and diverse disciplines, and pay attention to the global awareness and international vision of cultivating talents, so that they can pay attention to and try to solve global problems and challenges.

At the same time, the curriculum system of TCM talents should be integrated with TCM cultural elements to promote the formation of TCM cognitive system and the training of thinking mode. The international curriculum system of TCM talents should integrate the teaching content of TCM knowledge, theory, practice and other related disciplines, and develop a unique curriculum system. Theoretical, clinical, practical and other courses can be offered. The theoretical curriculum system should cover basic theories such as TCM diagnostics, TCM therapy, TCM processing and TCM pharmacology. The clinical curriculum system should learn TCM clinical skills of TCM internal medicine, TCM surgery, TCM gynecology, TCM pediatrics, TCM facial features, scientific acupuncture, massage and other courses of TCM health care and TCM cultivation and collection. At the same time, elective cultural courses such as TCM history, professional English, and TCM psychology can be offered.

The international curriculum system aims to comprehensively cultivate international students' theoretical knowledge and practical skills of Chinese medicine, and also pays attention to the dissemination and promotion of Chinese medicine culture. Through this curriculum, international students can better understand and apply the knowledge of TCM and contribute to the international dissemination and development of TCM.

5.4 Taking the Construction of Teachers as the Guarantee

Under ICEM, the construction of international teachers is the key factor to ensure the quality and effect of education, which is mainly reflected in the following aspects.

First, high-quality teachers can provide high-quality teaching, so as to improve students' academic level and comprehensive quality. Second, international collaborative education can cultivate talents with international vision. As the guide of students, teachers' international quality directly affects the growth and development of students. Third, the high-level teaching staff can attract more international students and improve the international reputation and competitiveness of the school. The fourth is to promote educational innovation. The international faculty is usually more open and innovative, which can support the innovation of schools in educational concepts, curriculum setting and teaching methods.

The international faculty needs to meet the following requirements. First of all, the teaching staff needs to have an international vision and professional knowledge. Teachers should not only have a solid academic background, but also understand the development trend and frontier trends of international education, so as to provide students with educational content in line with the world. Secondly, good cross-cultural communication skills are also required, including the ability to teach in fluent English or other foreign languages, and understanding educational concepts and teaching methods in different cultural backgrounds. At the same time, teachers should be able to innovate teaching ability. The characteristic of international education is that it emphasizes innovation and personalized teaching. The teaching staff needs to constantly update teaching ideas and methods and use modern educational technology to adapt to the changing educational needs.

In order to realize educational goals, ICEM must pay attention to the construction of teachers to ensure that the teachers can meet the needs of international education in terms of professional knowledge, teaching ability, cross-cultural exchange and international vision.

6. Conclusions and Prospects

ICEM meets people's demand for international talents, promotes the allocation of educational resources, and strengthens international cooperation. At the same time, the international collaborative education model can help students improve their cross-cultural communication skills, promote the cultivation of innovative thinking, and enhance international competitiveness. While embracing opportunities, we also face certain challenges, such as language exchange, differences in education systems, policy and regulatory differences, and technological challenges, which are worth further exploration and optimization.

ICEM for traditional Chinese medicine talents can promote the inheritance of traditional Chinese medicine theory, the dissemination of traditional Chinese medicine culture, and the deepening of traditional Chinese medicine research. How to construct a suitable international collaborative education model needs to be considered from the following aspects: aiming to cultivate international talents, relying on international cooperation platforms, using the international curriculum system as a starting point with the construction of the teaching staff as a guarantee.

Through the above measures, a education model that is both in line with the characteristics of traditional Chinese medicine and internationally competitive can be constructed, which can cultivate more outstanding talents for the international development of TCM.

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