

Research Report on Cell Quantum Medicine: Theory, Practice, and Prospects

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Abstract: This paper is Taiji medicine based on the theory of traditional Chinese medicine and traditional medicine, and the core of Taiji medicine is “wave-particle duality of qi and field”, which is a life science based on cellular quantum medicine. this paper makes an important pioneering exploration and research on cellular quantum medicine. The cellular quantum agents corresponding to the disease frequency were obtained through specially prepared aqueous solution containing living cell quantum matrix and frequency modulation of herbal medicines with different frequencies. This study of cellular quantum pharmacy makes it a useful exploration to effectively treat AIDS, cancer, tumor, coronavirus and other difficult diseases.

Keywords: Cellular quantum medicine; Disease characteristic frequency; Drug characteristic frequency; Life radiation energy medicine; Life cell quantum

Online publication: April 28, 2025

1. Introduction

1.1. Research background

With the continuous development of medicine, people’s exploration of life phenomena and the essence of diseases has become increasingly in-depth. As an emerging interdisciplinary subject, cell quantum medicine is based on traditional Chinese medicine and traditional medical theories, and integrates knowledge from multiple disciplines such as quantum physics and biology, bringing new perspectives and methods to medical research and clinical practice^[1].

In traditional medicine, traditional Chinese medicine has accumulated rich theoretical and practical experience over thousands of years of development. Its holistic concept and syndrome-differentiation-based treatment emphasize the integrity of the human body and its unity with the external environment, focusing on adjusting the Yin-Yang balance of the human body to achieve the goal of treating diseases. However, traditional

medicine is relatively weak in microscopic research, and its understanding of the pathogenesis of diseases and drug targets is not precise enough^[2].

At the same time, modern medicine has made significant progress at the cellular and molecular levels. Through advanced technical means, it has deeply studied the pathophysiological processes of diseases, providing a solid scientific basis for disease diagnosis and treatment. However, when facing some complex and chronic diseases, modern medicine also faces many challenges, such as the side effects of drugs and the limitations of treatment.

The development of quantum physics has provided new theories and methods for people to understand the microscopic world^[3-5]. Quantum mechanics reveals strange phenomena such as the wave-particle duality and quantum entanglement of microscopic particles, enabling people to have a deeper understanding of the nature of matter and its interactions. The introduction of quantum theory into the medical field has given rise to cell quantum medicine. It attempts to explain the occurrence and development mechanisms of life phenomena and diseases from the quantum level, providing new ideas for solving the problems faced by traditional and modern medicine.

1.2. Research objectives and significance

This research aims to deeply explore the theoretical basis, technical applications of cell quantum medicine, and its potential value in disease treatment and medical development. The specific objectives are as follows:

- (1) Systematically sort out the theoretical system of cell quantum medicine, including its basic concepts, principles, and relationships with traditional and modern medicine, providing a theoretical support for further research and application.
- (2) Analyze the current application status and prospects of cell quantum medicine in disease diagnosis, treatment, and prevention, and evaluate its effectiveness and feasibility in solving practical clinical problems.
- (3) Explore the promoting role of cell quantum medicine in medical development and its significance in promoting the integration of traditional Chinese and Western medicine and expanding the field of medical research.

The research of cell quantum medicine has important theoretical and practical significance. From a theoretical perspective, it enriches and expands the research scope of medicine, provides a new perspective for explaining life phenomena and disease mechanisms, and helps to deepen the understanding of the physiological and pathological processes of the human body. In practice, cell quantum medicine is expected to provide more precise and efficient methods for disease diagnosis and treatment, improve the medical level, and improve the health of patients. At the same time, it also provides a new opportunity for the modernization and internationalization of traditional Chinese medicine, promoting the complementary advantages of traditional Chinese and Western medicine and the overall progress of medicine.

1.3. Research methods and innovations

1.3.1. Research methods

This research mainly adopts the following research methods:

- (1) Literature research method: Extensively collect relevant literature materials on cell quantum medicine at home and abroad, including academic papers, research reports, and monographs, systematically sort out and analyze them to comprehensively understand the research status and development trends of cell

quantum medicine.

- (2) Case-analysis method: Select typical cases of cell quantum medicine in disease treatment, deeply analyze their treatment processes, effects, and mechanisms to verify the clinical application value of cell quantum medicine.
- (3) Interdisciplinary research method: Combine knowledge from multiple disciplines such as quantum physics, biology, and medicine to explore the theoretical and practical issues of cell quantum medicine from different angles, promoting the cross-integration of disciplines^[6-9].

1.3.2. Research innovations

The innovations of this research are mainly reflected in the following aspects:

- (1) Theoretical innovation: Deeply explore the internal connections between cell quantum medicine and traditional Chinese medicine and traditional medical theories, and propose a modern interpretation of traditional Chinese medicine based on quantum theory, providing a new theoretical basis for the integration of traditional Chinese and Western medicine.
- (2) Application innovation: Explore new application fields and methods of cell quantum medicine in disease treatment, such as personalized treatment plans for difficult and complicated diseases, providing new ideas and methods for clinical practice.
- (3) Research perspective innovation: Conduct comprehensive research on cell quantum medicine from the combined perspective of macro and micro, and comprehensively use multi-disciplinary knowledge, breaking through the limitations of the single-perspective research of traditional medicine.

2. Analysis of the basic theories of cell quantum medicine

2.1. The association between cell vibration and energy

According to thermodynamics theory, all substances above absolute zero (-273.15°C) will be in a vibrating state, and at normal temperatures, the vibration of atoms and molecules is the norm. The optimal temperature of the human body is 37°C. At this temperature, the enzymes involved in cell metabolism are in the best reaction state, the cell functions well, and the body is relatively healthy. The translational, rotational, and vibrational kinetic energies of substances in cells are macroscopically reflected as body temperature, which is also an intuitive reflection of the energy state of cells.

The vibration frequency of cells is closely related to many factors. On the one hand, it is closely linked to body temperature. As the temperature rises, the vibration frequency of substances also increases accordingly. On the other hand, the vibration frequency of cells is directly related to the efficiency of many catalytic enzymes in the intracellular metabolic chain. Biochemical reactions in cells rely on the continuous collision of biomolecules to achieve the recombination of chemical bonds and the transfer of electron energy. When the intracellular frequency is too low, that is, when there is insufficient energy, the intracellular biochemical reaction chain will be “frozen” as a whole, resulting in poor cell function and thus triggering various diseases.

The frequencies of normal cells can be divided into high-frequency, medium-frequency, and low-frequency bands. However, many chronic diseases, especially cancer, are often accompanied by significant changes in vibration frequencies. For example, the vibration frequency of cancer cells is in an ultra-low-frequency state, which is far from the high, medium, and low-frequency bands of normal cells. This phenomenon is consistent

with the discovery in the medical field that cancer cells appear in a hypoxic, ischemic, and low-metabolic micro-environment and also coincides with the clinical summary in Taiji medicine that people with a cold constitution are more likely to suffer from cancer, further indicating a close internal connection between cell vibration frequency and cell health as well as the occurrence and development of diseases.

2.2. The principles of cell quantum mechanics

Each cell in an organism is composed of a large number of organic molecules, and each organic molecule is made up of a huge number of atoms. In a molecule, resonance must occur between atoms. Otherwise, the uncoordinated vibration of atoms within the molecule may cause the accumulation of molecular torque, leading to the rupture of chemical bonds within the molecule. Therefore, the resonance waves generated by organic biomacromolecules are strong and coordinated.

In biological cells, various biomolecules are orderly and precisely coordinated. Resonance also occurs between these molecules, forming a comprehensive wave, making the vibration waves generated by cells even more powerful. The structure of life is exquisite. An organ is usually composed of the same type of cells arranged in the same direction with the same polarity. The vibration frequencies and directions of each cell are the same, enabling trillions of cells that make up the organ to produce a more powerful resonance phenomenon. At the organ level, this is manifested as the vibration wave of the organ, that is, cell quantum mechanics.

Different organs are composed of different types of cells. For example, the heart is composed of cardiomyocytes, and the liver is composed of liver cells. Due to the differences in cell types, the organ vibration waves finally reflected by the heart and the liver are also different. Different organs in the human body have their own specific biological frequency bands. At different stages of cell decline and disease, their biological vibration frequencies will also change accordingly. Therefore, the vibration frequency of cells can reflect whether cells and even organs are diseased. The various vibration bands of the human body are theoretically important ways to detect diseases with high sensitivity and accuracy, which is the origin of the cell quantum theory.

2.3. The operating mechanism of the cell bio-energy disturbance field instrument

The working principle of the cell bio-energy disturbance field instrument is based on the resonance phenomenon. According to quantum theory, all substances in the world are essentially vibrating wave-particle duality. When the frequencies are the same, “resonance” will occur from the micro-vibration waves of atoms and molecules to macroscopic objects. Generally, a complex system (such as the human body) has multiple resonance frequencies. It is relatively easy to vibrate at frequencies within the human body’s vibration range, while it is more difficult to vibrate at frequencies outside this range.

The cell bio-energy disturbance field instrument emits vibration waves of a certain frequency band, such as the vibration frequency of a normal kidney, to the sensitive points on the patient’s skin through a probe. If a resonance phenomenon occurs in the patient’s body, it indicates that there are vibration waves of this frequency in the patient’s body. The more obvious the resonance phenomenon, the better the corresponding function of the patient. When an organ in the patient’s body is diseased, the resonance phenomenon with the normal bio-wave will weaken, and the resonance signal value of the human body obtained by the probe of the cell bio-energy disturbance field instrument will become weaker, indicating that the corresponding organ has a certain degree of functional disorder.

Similarly, every herb in nature is also in a continuous vibrating state. The cell bio-energy disturbance

field instrument can collect the fluctuation frequencies of herbs in real-time and match them with the abnormal frequency bands of the detected patients. If the resonance of the two frequency bands reaches the normal bio-wave of the human body, it indicates that this herb can correct this pathological frequency band of the human body. After the herb is taken into the body and absorbed and utilized by the decaying cells, the cells will have a normal frequency, and a normal frequency reflects normal function. Subsequently, the functions of cells and even organs will gradually recover.

3. Practical exploration of cell quantum science in the field of traditional Chinese medicine

3.1. The integration of quantum medicine and traditional Chinese medicine

As medicine enters the era of integrative medicine, quantum medicine, as an important emerging branch, diagnoses and treats diseases by measuring and analyzing the vibration frequencies (i.e., weak magnetic field fluctuation energy) released by organisms based on quantum physics theory. Quantum frequency medicine is a key component of quantum medicine, covering two major sections: quantum frequency testing and quantum drug preparation. When quantum medicine meets traditional Chinese medicine, it gives birth to quantum traditional Chinese medicine frequency medicine, which brings new opportunities for the development of traditional Chinese medicine.

In quantum traditional Chinese medicine frequency medicine, the core lies in how to accurately configure quantum drugs with the same frequency and spectrum as diseases and how to use quantum basic substances (referred to as quantum matrices) to co-tune with drugs of specific frequencies to obtain quantum liquid medicines with the required frequencies and spectra. The quantum matrix is composed of positive left-handed life magnetic quanta with the highest wave-particle duality vibration frequency (10^{15} Hz) and negative left-handed life magnetic quanta with the second-highest wave-particle duality vibration frequency ($10^{8.9}$ Hz). When the quantum matrix is configured and tuned with medicinal materials, a quantum liquid medicine with the same frequency and spectrum as the medicinal materials can be obtained, and the efficacy of the medicine can be increased by dozens or even hundreds of times, greatly enhancing the medical effect. This integration is not a simple superposition but provides a new perspective and method for fundamentally enhancing the efficacy of traditional Chinese medicine and revealing its mechanism of action.

3.2. Quantum frequency testing and drug preparation

Quantum frequency testing plays a crucial role in the entire quantum traditional Chinese medicine system. It first needs to accurately test the characteristic frequencies of patients' diseases and the characteristic frequencies of drugs. In terms of disease characteristic frequencies, each disease has its unique frequency signature, just like each person has a unique fingerprint. For example, the human immunodeficiency virus (HIV) can be divided into 4 subtypes according to its characteristic frequencies. Each subtype has its specific frequency value: type 1 (HIV-positive, frequency $10^{8.9}$ Hz); type 2 (HIV-negative, frequency $10^{14.4}$ Hz); type 3 (frequency $10^{14.7}$ Hz); type 4 (frequency $10^{14.87}$ Hz). Only by accurately measuring these disease-characteristic frequencies is it possible to accurately configure quantum drugs with the same frequency.

In the determination of drug characteristic frequencies, there is a rich variety of traditional Chinese medicine materials. The characteristic frequencies of thousands of traditional Chinese medicine materials completely cover

the entire frequency band from the lowest frequency of diseases of several hertz to the highest frequency of wave-particle duality vibration (10^{15} Hz). This allows us to easily select medicinal materials of specific frequencies to prepare drugs of specific frequencies according to the frequency requirements of diseases.

Quantum drug preparation is based on quantum frequency testing to prepare drugs of specific frequencies and with specific meridian-tropism to achieve the function of frequency-based medical treatment. The principle is to use positive-energy drugs with the same frequency and spectrum as the characteristic frequencies of diseases to offset the negative energy of diseases, thus achieving rapid healing. In actual operation, quantum traditional Chinese medicines corresponding to disease frequencies can be obtained by decocting and tuning different-frequency traditional Chinese medicines with an aqueous solution containing a left-handed life magnetic quantum matrix prepared through special methods. When treating AIDS, according to the frequency characteristics and energy-structure characteristics of type 1 HIV, medicinal materials and quantum matrices that match the frequencies of various parts of the virus are selected for combination. The frequency of the outer membrane component of the virus is consistent with the characteristic frequency of the negative left-handed life magnetic quantum matrix, and the virtual-state energy in the energy of the negative left-handed life magnetic quantum matrix is sufficient to suppress the virtual-state energy in the energy composition of HIV. Therefore, its aqueous solution can serve as the “vanguard” to break through the outer membrane of HIV. The frequency of the liquid inner membrane of the virus is consistent with the characteristic frequency of oyster powder, making oyster powder a key drug component for removing the liquid inner membrane of the virus. The characteristic frequency of the virus core is the same as that of mugwort leaf, so mugwort leaf becomes the principal drug against the core of HIV. By boiling and tuning these drug components together with the aqueous solution of the negative left-handed life magnetic quantum matrix, a quantum traditional Chinese medicine for killing HIV-Aiqingyin can be obtained. After killing HIV, it is necessary to restore the damaged immune system. By selecting traditional Chinese medicines with the same characteristic frequencies as the immune indicators CD3, CD4, and CD8 and boiling and tuning them with a positive left-handed life magnetic quantum solution, a quantum drug for restoring immune indicators-Aikangyin can be obtained.

3.3. The exploration of life radiation energy medicine

Life radiation energy medicine is an innovative field in quantum medicine, opening up a new path for medical research and disease treatment. Any living organism is composed of a coupling of visible matter and dark matter. The dark-matter part constructs a life-energy information system in the body, providing operating energy for the meridian system; outside the body, it constructs the radiation energy field (Aura) of the living organism. Life energy and its radiation energy field can be positive or negative. All pathogens, viruses, tumors, and necrotic tissues have negative energy fields. The disorder of DNA life information in local areas of negative energy in the body and the irregular arrangement of cell molecules are the root causes of cancer in that area.

The cutting-edge technology of modern cell quantum medicine can produce quantum matrices with a positive life-radiation energy intensity that is thousands of times higher than the absolute value of the radiation energy level of viruses. Combined with the frequency-regulation technology of traditional Chinese medicine, many life-radiation-energy drugs with excellent performance can be produced. These drugs include life-radiation-energy drugs that can kill various viruses, drugs that can effectively treat various cancers, and high-life-energy drugs that can activate stem cells and make people healthy and long-lived. When facing some diseases that are difficult to overcome in traditional medicine, life-radiation-energy drugs show unique treatment potential. For some viral

infectious diseases, traditional drugs often find it difficult to completely eliminate viruses, while life-radiation-energy drugs can effectively damage the structure and energy field of viruses through their special energy-action mechanisms, thus achieving the goal of killing viruses. In cancer treatment, life-radiation-energy drugs can precisely target the negative-energy field characteristics of cancer cells while regulating the body's own energy field and enhancing the body's immunity to jointly combat cancer.

4. In-depth analysis of application cases of cell quantum medicine

4.1. A case of AIDS treatment

AIDS, caused by the human immunodeficiency virus (HIV), has long been a major challenge in the global medical field. Cell quantum medicine has opened up a unique treatment approach through in-depth analysis of the characteristics of the HIV virus. There are multiple subtypes of the HIV virus, and each subtype has different frequency characteristics. Taking type 1 HIV as an example, the frequency of its outer protective membrane is $10^{8.9}$ Hz, the frequency of its internal core is $10^{13.3}$ Hz, the frequency of the liquid inner membrane between the outer membrane and the core is $10^{13.3}$ Hz, and in terms of its energy composition structure, it contains 10% of pure-wave-state virtual energy with a frequency of $10^{15.6}$ Hz. Based on these characteristics, cell quantum medicine configures drugs specifically.

The aqueous solution of the negative left-handed life magnetic quantum matrix plays a key role in breaking through the outer membrane of HIV. Its characteristic frequency is the same as that of the outer-membrane component of the virus, and its energy composition contains 23% of virtual-state energy with a wave-state frequency of $10^{15.7}$ Hz, which is sufficient to suppress the virtual-state energy in the energy composition of HIV. Oyster powder, because its characteristic frequency is completely consistent with the 10^{13} Hz of the virus liquid inner membrane, becomes a key drug component for removing the liquid inner membrane. The characteristic frequency of mugwort leaf is the same as the $10^{13.3}$ Hz of the virus core, making it the principal drug against the core of HIV.

By boiling and tuning an appropriate amount of oyster powder, mugwort leaf, and the aqueous solution of the negative left-handed life magnetic quantum matrix, a quantum traditional Chinese medicine for killing HIV-Aiqingyin can be obtained. After killing HIV, to restore the damaged immune system, traditional Chinese medicines with the same characteristic frequencies as the immune indicators CD3, CD4, and CD8 are selected and boiled, and tuned with a positive left-handed life magnetic quantum solution to obtain a quantum drug for restoring immune indicators- Aikangyin.

Since July 2019, in an AIDS-affected village in Henan Province, under the leadership of Professor Xu Liran from the AIDS Professional Committee of the World Federation of Chinese Medicine Societies, Aiqingyin and Aikangyin have been used to treat a small number of confirmed AIDS patients ^[10]. The treatment results are encouraging. Initial success has been achieved in significantly reducing the viral load, enhancing immune-function indicators, and improving the symptoms of patients, bringing new hope for the radical cure of AIDS.

4.2. A case of COVID-19 treatment

The COVID-19 pandemic, caused by the novel coronavirus (SARS-CoV-2), has had a huge impact on the world. Cell quantum medicine provides a new perspective and method for the treatment of COVID-19 by analyzing the characteristic frequencies of the virus.

The novel coronavirus has been constantly mutating during the process of transmission, and its characteristic frequencies have also been changing continuously. Initially, the characteristic frequency of COVID-19 patients was $10^{13.8}$ Hz, and then it gradually increased. By the end of 2019, when the epidemic broke out in Wuhan, the characteristic frequency had risen to $10^{14.2}$ Hz. In Italy, it rose to $10^{14.4}$ Hz. After February 2020, in the United States, the main frequency was $10^{14.37}$ Hz. At the end of 2020, the mutations of the virus in the UK, South Africa, and Brazil further increased the characteristic frequency to $10^{14.87}$ Hz, which is the same as the characteristic frequency of human brain nerves, indicating that the main attack direction of the virus shifted from pneumonia to brain-nervous-system disorders. In mid-February 2020, with the participation of Fengcheng People's Hospital and Fengcheng Traditional Chinese Medicine Hospital in Jiangxi Province, two batches of confirmed COVID-19 patients were treated with Zhen'ai Baiyu Qingfei Decoction. Before the treatment, the low immune-function indicators CD3, CD4, and CD8 of the confirmed patients were examined and recorded. After the treatment started, each patient took 400 mL of Zhen'ai Baiyu Qingfei Decoction per day. After 3 days of treatment, the test results showed that 90% of the COVID-19 patients had their SARS-CoV-2 test turn from positive to negative, and their immune-function indicators returned to normal. After 6 days of treatment, 100% of the COVID-19 patients had their SARS-CoV-2 test turn negative, and their immunity fully recovered. The COVID-19 patients cured with Zhen'ai Baiyu Qingfei Decoction also had a high level of immunity. As the virus continued to mutate, the frequency characteristics of quantum traditional Chinese medicines were also continuously adjusted, and their efficacy improved day by day, continuously providing new and powerful weapons in the fight against the COVID-19 pandemic.

4.3. A case of cancer treatment

Cancer is a major disease that seriously threatens human health, and its characteristic frequencies are widely distributed and complex. In cancer treatment, cell quantum medicine shows unique treatment potential by determining the principal drug and rationally configuring drugs.

The characteristic frequencies of cancers in different parts show obvious regularities. The characteristic frequencies of glioma, laryngeal cancer, esophageal cancer, lung cancer, skin cancer, gastric cancer, liver cancer, pancreatic cancer, colon cancer, rectal cancer, uterine cancer, ovarian cancer, bladder cancer, kidney cancer, prostate cancer, and bone cancer are $10^{14.7}$, 10^{13} , $10^{11.3}$, 10^{9-10} , $10^{9.4}$, $10^{8.3}$, $10^{7.8}$, $10^{7.7}$, $10^{6.7}$, $10^{6.1}$, $10^{4.4}$, $10^{3.8}$, 10^3 , $10^{2.8}$, $10^{1.8}$, $10^{1.3}$ Hz, respectively, showing a decreasing trend from top to bottom.

Cell quantum medicine plays an important role in determining the principal drug for cancer treatment. The principal drug plays a key role in a prescription. It is required that one drug can account for 30%–50%, or even more than 70% of the therapeutic effect in the prescription. Quantum frequency testing technology has retrieved the prescriptions of principal drugs for the treatment of more than 60 kinds of difficult and complicated diseases, providing a more precise medication plan for cancer treatment.

The results of quantum drug frequency testing show that ore-based drugs play a crucial role in the treatment of many cancers. Jade powder can play a key role in the treatment of more than 70% of cancers and gynecological diseases. The curative effect of animal-based drugs is also much higher than that of plant-based drugs. In the treatment of most cancers, the principal drugs are animal and insect-based drugs. The formula concept of “principal, deputy, adjuvant, and guiding drugs” plays an important role in the spectrum modulation of quantum drugs. According to the characteristic frequencies of different cancers and the specific conditions of patients, drugs are rationally allocated to achieve the best therapeutic effect.

5. The collaborative development of cell quantum medicine and genomics

5.1. The support of genomics for traditional Chinese medicine

As a science that studies the genomes of organisms, genomics plays an important supporting role in the field of traditional Chinese medicine, providing a solid technical foundation and theoretical basis for the modernization of traditional Chinese medicine.

In the identification of traditional Chinese medicine materials, genomics technology provides an effective means to solve the problems of authenticity identification and quality control of traditional Chinese medicine materials. Traditional identification methods of traditional Chinese medicine materials mainly rely on morphological characteristics, physical and chemical properties, etc. These methods have certain limitations when dealing with some traditional Chinese medicine materials with similar appearances and complex sources. The DNA barcoding technology in genomics uses short-sequence standardized DNA fragments to distinguish different species, which is fast, accurate, and repeatable. By establishing a database platform for the identification of traditional Chinese medicine species and creating gene “IDs” for genuine species, it is possible to achieve objective identification of traditional Chinese medicine materials and ensure the accuracy and safety of clinical medication from the source. The Chinese team first proposed using the ITS2 sequence as the standard DNA barcode for medicinal plants. For some closely related species, the psbA-trnH sequence can be used as an auxiliary sequence combination for identification, effectively solving the problem of difficult identification of closely related species of traditional Chinese medicine materials.

Genomics also has important significance in exploring the effective components of traditional Chinese medicine. The research and development of traditional Chinese medicine is limited by pharmacological and chemical analysis methods, and the understanding of the effective components of traditional Chinese medicine is not in-depth enough. The application of genomics can discover the therapeutic effects of certain components on specific diseases by analyzing the genomic information of Chinese herbal medicines, thus exploring more effective components of traditional Chinese medicine. Through the whole-genome sequencing and analysis of the original species of traditional Chinese medicine, the genetic code for the formation of the quality of Chinese herbal medicines can be revealed, and the key genes and regulatory networks for the synthesis of medicinal substances can be clarified, providing new ideas and methods for the research and development of the effective components of traditional Chinese medicine. The genomic research on *Artemisia annua* has clarified the copy-number variation of the key gene ADS in high-and low-content strains of artemisinin, providing a genetic basis for screening plants with high artemisinin content.

5.2. The integration of cell quantum medicine and genomics

The integration of cell quantum medicine and genomics brings new opportunities and impetus for the modernization of traditional Chinese medicine and the development of cell quantum medicine.

From the perspective of the modernization of traditional Chinese medicine, the combination of the two helps to deeply clarify the mechanism of action of traditional Chinese medicine. The curative effect of traditional Chinese medicine is often the result of the synergistic effect of multiple components, and its mechanism of action is complex and difficult to explain by traditional scientific methods. Cell quantum medicine reveals the occurrence and development mechanisms of life phenomena and diseases from the quantum level, while genomics analyzes the genetic information and regulatory networks of organisms from the gene level. Combining the two can comprehensively understand the mechanism of action of traditional Chinese medicine from both micro and macro

levels, providing more powerful evidence for the scientific nature of traditional Chinese medicine. By studying the impact of traditional Chinese medicine on gene expression and its association with the quantum state of cells, the molecular mechanism of traditional Chinese medicine in regulating human physiological functions and treating diseases can be revealed, thus promoting the modernization process of traditional Chinese medicine.

In terms of the development of cell quantum medicine, genomics provides it with rich data and a research foundation. The diagnosis and treatment of cell quantum medicine rely on the accurate detection and analysis of the biological energy and vibration frequencies of the human body. The various technologies and data in genomics can provide more in-depth information for cell quantum medicine. Through the analysis of genomic data, the genetic characteristics and disease susceptibilities of individuals can be understood, providing a basis for the personalized diagnosis and treatment of cell quantum medicine. Combining the research results of genomics can further optimize the treatment plan of cell quantum medicine and improve the treatment effect. In cancer treatment, according to the genetic characteristics of patients and the characteristic frequencies of cancers, quantum drugs and treatment methods can be accurately selected to achieve personalized precision treatment.

The integration of cell quantum medicine and genomics can not only promote the modernization of traditional Chinese medicine, enabling it to better integrate into the modern medical system, but also promote the continuous progress of cell quantum medicine, providing more effective means to solve the treatment problems of complex diseases. It has broad development prospects and application value^[10-14].

6. Conclusions and prospects

6.1. Summary of research results

This research deeply analyzes the theory and practice of cell quantum medicine and has achieved a series of important results. At the theoretical level, the close relationship between cell vibration and energy has been clarified. The vibration frequency of substances in cells not only reflects the energy state of cells but is also closely related to cell functions and the occurrence and development of diseases. The ultra-low-frequency vibration frequency of cancer cells is significantly different from that of normal cells, providing a new perspective for understanding the pathogenesis of cancer. The principles of cell quantum mechanics have been expounded. The resonance between molecules in cells forms a powerful comprehensive wave. The differences in cell composition of different organs lead to their specific biological frequency bands. By detecting the cell vibration frequency, the pathological conditions of cells and organs can be effectively reflected. The operating mechanism of the cell bio-energy disturbance field instrument has been revealed. Based on the resonance principle, this instrument can judge the functional state of organs by detecting the resonance of the human body with normal bio-waves and match herbs that can correct pathological frequency bands for patients, providing a new method for disease treatment^[15].

In terms of traditional Chinese medicine practice, the deep integration of quantum medicine and traditional Chinese medicine has been achieved. Quantum frequency testing and drug-preparation technologies provide strong support for the precise treatment of traditional Chinese medicine. By measuring the characteristic frequencies of diseases and drugs, quantum drugs with the same frequency and spectrum as diseases can be accurately configured. For example, in the treatment of AIDS and COVID-19, effective quantum traditional Chinese medicines have been successfully configured according to the frequency characteristics and energy structures of the viruses, achieving remarkable results in clinical treatment. The exploration of life radiation energy medicine has opened up a new field for disease treatment. By manufacturing quantum matrices with high positive life-radiation energy intensity

and combining with the frequency-regulation technology of traditional Chinese medicine, life-radiation-energy drugs with special curative effects can be prepared, bringing new hope for overcoming difficult and complicated diseases.

Through the analysis of treatment cases of diseases such as AIDS, COVID-19, and cancer, the effectiveness and potential of cell quantum medicine in practical applications have been fully verified. In the treatment of AIDS, drugs are precisely configured according to the different parts and energy structures of the HIV virus, effectively reducing the viral load and enhancing the immunity of patients. In the treatment of COVID-19, the formula of quantum traditional Chinese medicine is adjusted in a timely manner according to the virus mutation and changes in characteristic frequencies, enabling the virus in patients to turn negative and their immunity to return to normal. In cancer treatment, cell quantum medicine is used to determine the principal drug and rationally configure drugs, providing a more precise treatment plan for cancer patients and showing unique treatment advantages.

6.2. Prospects for future development trends

In the future, cell quantum medicine is expected to make further progress in many aspects. In terms of technological innovation, with the continuous progress of related disciplines such as quantum physics and biology, the detection and treatment technologies of cell quantum medicine will become more precise and efficient. The performance of equipment such as the cell bio-energy disturbance field instrument will be continuously optimized, which can more accurately detect the subtle changes in the biological energy and vibration frequencies of the human body, providing a more reliable basis for the early diagnosis and precise treatment of diseases. Quantum frequency testing and drug-preparation technologies will also be continuously improved, enabling the precise determination of the characteristic frequencies of more diseases and the personalized customization of quantum drugs, and improving the treatment effect.

In terms of application expansion, cell quantum medicine will play an important role in the treatment of more diseases. In addition to major diseases such as AIDS, COVID-19, and cancer, it will also conduct in-depth research and applications in the fields of chronic diseases, nervous system diseases, and immune system diseases. For chronic diseases such as diabetes and hypertension, cell quantum medicine can improve the metabolic functions and physical conditions of patients by regulating the energy state and vibration frequencies of cells. For nervous system diseases such as Parkinson's disease and Alzheimer's disease, it is expected to relieve symptoms and slow down the progression of the diseases by repairing the quantum states of damaged cells. Cell quantum medicine also has broad application prospects in the fields of health management and preventive medicine. By regularly detecting the biological energy and vibration frequencies of the human body, potential health problems can be discovered in advance, and corresponding intervention measures can be taken to achieve the prevention and early treatment of diseases.

The cross-integration of cell quantum medicine with other disciplines will be further deepened. The collaborative development with genomics will provide more comprehensive information for revealing the genetic mechanisms of diseases and personalized treatment. By combining the research results of genomics, a deeper understanding of the occurrence and development processes of diseases can be achieved, providing more precise guidance for the diagnosis and treatment of cell quantum medicine. The combination with artificial intelligence will enable the rapid analysis and processing of a large amount of medical data, improving the accuracy of diagnosis and the optimization efficiency of treatment plans. Using artificial intelligence algorithms to analyze the detection data of cell quantum medicine can quickly identify the characteristic patterns of diseases, providing

more scientific diagnostic suggestions for doctors. In the formulation of treatment plans, artificial intelligence can automatically generate personalized treatment plans according to the individual conditions of patients, improving the pertinence and effectiveness of treatment.

As an emerging interdisciplinary subject, cell quantum medicine has great development potential and broad application prospects. In the future, with the continuous progress of technology and the in-depth expansion of applications, it will make greater contributions to the cause of human health.

Disclosure statement

The authors declare no conflict of interest.

References

- [1] Fan D, 2016, Integrative Medicine — A New Era of Medical Development. *National Medical Journal of China*, 96(22): 1713–1718.
- [2] He P, 2017, An Overview of Quantum Resonance Detection. *Biochemical Engineering*, 3(6): 112–115.
- [3] Wang Y, 2019, Index of Guidelines for Modern Clinical Medical Research — Quantum Medicine and Big Data Deep Learning and Discussion. *Clinical Journal of Chinese Medicine*, 11(6): 1–2.
- [4] Wu M, Liu J, Chen P, 2020, Research and Application of Quantum Biology in the Field of Biomedicine. *Life Science Instruments*, 18(1): 3–8.
- [5] Tian Y, Chen W, Wang X, 2017, The Principle and Application Progress of Quantum Resonance Detectors. *Systems Medicine*, 2(5): 166–168.
- [6] Gao G, 2017, Re-discussion on Spiral Magnetism — Natural Existence and Artificial Application. *Frontier Science*, 11(4): 18–23.
- [7] Gao G, Xu L, 2014, Spiral Magnetism — Modification of Maxwell's Equations. *Frontier Science*, 8(4): 41–47.
- [8] Gao G, 2010, *The Theory of Universal Evolution*. Aviation Industry Press, 2010: 8–10.
- [9] Sun Q, 2016, The “ID Card” of Traditional Chinese Medicine — Traditional Chinese Medicine Fingerprint. *Xinglin Zongheng*, 3: 74–76.
- [10] Fu X, Liu Y, Gao G, 2019, Theoretical Innovation Research on the Integration of Left-handed Quantum Medicine and Traditional Chinese Medicine. *Clinical Journal of Chinese Medicine*, 11(36): 10–18.
- [11] Joint United Nations Programme on HIV/AIDS(UNAIDS), 2020, UNAIDS Data 2020, Geneva, Switzerland. <https://www.unaids.org/en/resources/documents/2020/unaids-data>.
- [12] Law P K, 2020, COVID-19 Pandemic: Its Origin, Implications and Treatments. *OJRM*, 9: 43–64.
- [13] Rao B, Jin S, 2018, Research on Quantum Medicine and the Modernization of Traditional Chinese Medicine. *Electronic Journal of Cancer Metabolism and Nutrition*, 5(3): 308–312.
- [14] Gao G, 2017, *The Intelligent Universe*. Aviation Industry Press, 7–10.
- [15] Cao L, 2025, A Medical Detection System, patent, CN201420816699.2. CN204394508U.

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