

Original article

The Medical Mechanism of Suction Based Negative Pressure on Vital Power Elements

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ABSTRACT

Objective: The 21st century is the biotic century. It is the new era of returning to nature, green environmental protection, health caring, emphasizing prevention and the revival of health medicine. This article presents a new theory introducing chemical and physical theories currently existing in the medical field. It describes the theory of blood-lymphology, traditional Chinese Medicine meridian theory and Qi-blood body fluid and its metabolism by studying the vital power elements and the complex ions which are soluble in water. **Methods:** We established the negative pressure in oral cavity to activate the medicine, hemolymph circulation and form the pressure gradient in coelom, which can significantly increase the oxygen concentration in blood and distance of oxygen diffusion to activate the human meridian channel. Subsequently, we have produced several kinds of medical treatment and health care facilities such as the equipment of activating human meridian-blood-lymph system by establishing negative pressure in oral cavity; Jiangshi harmonic qi ventouse; which is an equipment that implies abundant oxygen and activates meridian by negative pressure. **Results:** We did comprehensive research on this theory in which lymph flow was increased bypassing set negative pressure within the oral cavity. Also several group of patients were treated with negative pressure in the oral cavity and positive results were established. They can also prevent the geriatric diseases, increase the level of health and extend people's lives. **Conclusion:** The method is simple, reliable and has no side effects through repeated clinical tests. This kind of medical equipment has great effect especially for prevention and recovery of illness. It provides a convenient method for health care and prolonging life.

Key Words: Hemolymph; Meridian; Negative pressure; Meridian-blood-lymph.

INTRODUCTION

The ancient Chinese discussed: "all things of universe originate

from the chaotic state which are detached. Life cannot exist until the Yin and Yang appears." The 16th century in Renaissance, some natural scientists and philosophers gradually put forward their theories. In the 19th century, the materialistic philosophers and biologists represented cell theory and evolutionism was represented by Darwin who promoted the thought and medical theory to a qualitative leap. The new Bourgeois and Proletariat derived by the industrial revolution significantly raised the productivity. The anatomy and pharmacy have great development to exceed the ideology concept and the orientation level of material life.

In the 21st century the Chinese dug out a treasure house in the form of TCM (Traditional Chinese Medicine). Now, the Chinese people, guided by "the scientific development view" have made

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huge achievements in studying the theory and practice of TCM vital power elements and the complex ions which are soluble in water. This medical theory is internationally advanced.

MATERIALS AND METHODS

In recent years, we analyzed a lot of traditional Chinese medicine and confirmed that there are many fourth period elements in them. We also found in the analytic data that the Yin and Yang attributes of TCM had close relationship to the distribution order of oxidation potential of the fourth period elements. The elements of high oxidation potential that are predominate in Yang attribute to TCM and those of low oxidation potential are predominate in Yin also attribute to TCM.

The electrophilic strength of aqueous ions of the fourth period transition elements, have considerable duality, which can also approach and separate. In this way, they can undergo catalysis and play a role in the activation of the chemical process of life, and degrade the microbiological chemical reaction. So we call the elements the vital power elements.

As we all know, any chemical process is in connection with the interaction of electrical property of reagent and that this vital chemical process is no exception. The above elements establish the rationale in application analysis of TCM, meanwhile, they also confirm that complexion which is soluble in water is the deepest and basic microcosmic environmental motivation to compose, reproduce and transcribe the genetic carrier.

RESULTS

The TCM philosophers have studied the meridian in living people for several thousand years. Unobstructed meridian ensure the Qi, body fluids and spirit smoothly, blockage of which leads to the origin of all diseases. So what is the meridian? The TCM considers that the meridian is in line of Qi-blood transportation which is distributed all over the human body^[1].

The other TCM's theory of pathogenesis is based on "Suwen" that discussed the theory of emotion-caused disorders^[2]. "All diseases result from Qi disorder. Rage driving qi upward, overjoy (excitation) slackening qi, excessive sorrow consuming qi, terror collapsing qi, terror disordering qi, anxiety causing qi stagnation." That is to say, the 1st, overjoy (excitation) causes diseases because the strong stimulation causes the sympathetic excitation and release a lot of AD which will accelerate heart rate, elevate blood pressure, quicken breath and raise body temperature. If the changes exceed human adaptability, it will make the functional disorder of each entrails. The 2nd, excessive sorrow will cause the

depression of liver- Qi and make qi-stagnancy and blood stasis. The 3rd, rage causes diseases because the passive emotion of anger will not only damage the liver, it will also damage the heart, the stomach and the brain. The 4th, excessive contemplation will affect the function of the spleen and stomach to cause retention of food. Over anxiety can cause serious disorders even death. The fifth, over sorrow will cause the qi-movement disturbance which will destroy the heart-spirit, even causes the genital essence to get exhausted and die of five viscera damage. The sixth, panic will cause restlessness and the disorder of activities of qi, which can cause serious sickness and leads to death. The seventh, terror will damage the kidney and make disorder of qi and emotion.

Otherwise, the TCM consider that the climates of four seasons also can cause illness. The wind, cold, summer heat, wet, dryness and fire are the necessary external condition for human living and growth and development along with exopathogens. Humans have health if the six vital substances for life process essences are normal and illness for those that are abnormal.

DISCUSSION

Modern medical doctors established the blood vessels, lymph vessels and nerves in cadaver, but could not find the meridian. Some traditional Chinese medical scientists consider that the lymphatic and nervous system is the meridian described by the traditional Chinese medicine. We think that their findings are superficial and groundless. Inability to find the meridian in cadaver is normal because the meridian exist only in living body with qi. Above all we recently propose the new theory of "the lymphatic system is the self-caring system, which has three functions of immune defense, depuratory and reparation." Provoking the function of the lymphatic system, strengthening the motivation of lymphatic return, activating the blood-lymphatic microcirculation and increasing the efficacy of lymphatic system will treat many common diseases and some stubborn diseases. That is very important for disease prevention and for lengthening our lives^[3].

The contemporary molecular biologists consider the lives' origin through the catalysis and activation by complexion which is soluble in water. The inorganic substances turn into organics, and the organics turn into biological functional molecule. Gradually the simple cells appear and then turn into complex cell colony and living bodies. The water-soluble complexions maintain the lives of living bodies.

In studying the balance mechanism of human internal environment, the TCM consider that the western medicine focuses on the nerves, blood vessels and lymphatic vessels, while the TCM focus on the mechanism of qi, blood and body fluid. Some

scholars call the intercellular gap as the meridian, which is the channel system of tissue fluid. They form a complicated and intercommunicated chain which has many stabilizing functions. Effusion of protein from vessels is related to the COP of tissues. The disorder of local drainage of lymphatic system will cause lymphedema^[4,5].

The contemporary vital dynamics of TCM consider that the Yin-Yang theory, qi, blood, body fluid theory, the meridian doctrine and the blood-lymph theory all reflect the general rule and profound philosophical principle of their own fields while the lack of quantitative analysis to the microchemical elements.

We did comprehensive research on this theory in which lymph flow was increased bypassing set negative pressure within the oral cavity^[6,7]. Also several group of patients were treated with negative pressure in the oral cavity and positive results were established^[8-11]. Subsequently, we have produced several kinds of medical treatment and health care facilities such as the equipment of activating human meridian-blood-lymph system by establishing negative pressure in oral cavity; Jiangshi harmonic qi ventouse; which is an equipment that implies abundant oxygen and activates meridian by negative pressure. They can also prevent the geriatric diseases, increase the level of health and extend people's lives.

In TCM, the cupping for treatment and health maintenance is based on the principle of warming circulation of qi and blood, dehygrois, promoting circulation of qi and blood, detumescence and analgesis^[12]. While the contemporary medicine established that the negative pressure in oral cavity based on the theory of

vital power elements and water-soluble complexions is a new treatment method^[13]

The important question arises, why we should establish the oral negative pressure?

1. According to the suggestion that the meridian is the intercellular gap which is the internal cause of diseases^[14]. The bacteria and virus can enter the oral cavity making it a portal for early infection. Since the meridian in the oral cavity is most sensitive; we chose the oral cavity to study the qi, lymph, blood, body fluids transportation and their relationship with diseases^[6-13].

2. According to the analysis of the anatomy, there are abundant lymphatic tissues such as adenoid, tonsil of torus tubarius, lateral pharyngeal bands, tonsilla palatine and lingual tonsil and so on. These lymphatic tissues confirm tonsillar inner ring through the lymph vessels. The efferent lymphatics of this ring confirm the outer ring with the cervical glands. Moreover, the study of tonsillar ring begins with oral cavity.

3. According to the new theory of "the lymphatic system is the self-caring system, which has three functions of immune defense, depuratory and reparation^[3]", we formed the gradient in the intracoelomic cavity system by establishing negative pressure to increase the gradient pressure between the two ends of tissue channel^[6]. That will be helpful to wash away the metabolic deposit in vivo and activate the blood-lymph microcirculation. Diseases caused by stagnation of qi and blood will be treated with smoothed channel of meridian. This kind of medical equipment has great effect especially for prevention and recovery of illness. It provides a convenient method to health caring and prolonging life.

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