

The Safety and Effectiveness of Acupuncture and Moxibustion in Treating Sequelae of Apoplexy

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Abstract: With the development and progress of China's medical causes, in clinical practice, acupuncture and moxibustion have become an effective means to treat stroke, diabetes, and other diseases. However, it has been criticized for its remarkable curative effect, small side effects, and fewer adverse reactions. In this paper, the starting point is to select acupoints suitable for the patient and have affinity for the patient or can make the wound heal better or worse, to study, analyze and discuss the interaction and influence mechanism of legacy factors before and after traditional Chinese medicine acupuncture and moxibustion, and to study the therapeutic effect of acupuncture and moxibustion by discussing the changes of brain blood pressure in different dose groups and control groups after the treatment of stroke. The results show that acupuncture and moxibustion are mainly used to eliminate common trace elements, brain tissue fluid, and nerve plexus disease in stroke patients. Acupuncture and moxibustion treatment has a good control effect on the brain blood pressure of stroke patients and can maintain a good pressure value even after the sequelae are complicated. This shows that acupuncture and moxibustion have good therapeutic effect and safety on the sequelae of stroke.

1. Introduction

With the continuous development of human civilization, traditional medicine is gradually in line with the modern medical model. Acupuncture and moxibustion therapy has become an important and effective treatment method and has achieved good clinical results. However, due to the large population, large regional differences, and economic conditions, the efficacy and safety of acupuncture and moxibustion are insufficient to a certain extent. Therefore, we also need to conduct targeted research on patients [1-2].

Many scholars have conducted relevant research on acupuncture and moxibustion treatment of sequelae of stroke. Since the 1980s, the domestic research on stroke has been widely used in China, especially in the field of traditional Chinese medicine and medicine. At present, there have been some reports on the efficacy and clinical research of acupuncture and moxibustion in the treatment of apoplectic menstrual sequelae. Some scholars took patients in the middle and late stages as

subjects to conduct experimental screening and compare with the control group to explore its effectiveness [3-4]. Other scholars have observed the effect of lumbar disc herniation on intracerebral hemorrhage and swelling and acupoint heat-sensitive lesions. Many scholars at home and abroad have studied a variety of diseases such as Qi deficiency, cold, and stroke, and have made a lot of valuable research results. Other scholars pointed out that cerebrovascular disease is a common complication in the article "analysis of TCM nursing work and clinical efficacy of patients in acupuncture therapy". Other scholars have treated Apoplexy Syndrome with lumbar disc herniation (X-ray) and lumbar dysregulation and blood circulation disorders caused by segmental muscle strength differences of the carotid artery [5-6]. Therefore, it is necessary to explore the safety and effectiveness of acupuncture and moxibustion in the treatment of stroke sequelae.

The evaluation of the safety and effectiveness of acupuncture and moxibustion in the treatment of stroke is an important aspect in clinical practice, and its research can provide a basis for carrying out relevant drug prevention and control and improving the health of patients in the future. In this paper, the effects of different types of diseases on the morphological distribution and function of acupoint epithelial cells were studied by literature and field observation.

2. Discussion on the Safety and Effectiveness of Acupuncture and Moxibustion in Treating Sequelae of Stroke

2.1 Acupuncture Treatment

With the development and progress of society, people have higher and higher requirements for the quality of life. In terms of medical care, especially acupuncture treatment, it is particularly important. Acupuncture and moxibustion treatment is mainly to raise the patient's back through different techniques and acupoint massage, so as to naturally relax the patient and educate the patient about acupoints, body surface and other diseases, so as to achieve the purpose of preventing and controlling stroke and improving the patient's quality of life. Acupuncture and moxibustion are widely used in clinical practice. The principle of the utility model is that the water contained in the acupoint cavity is discharged out of the body by massage to form stomata or penetrate into human tissues, thus having the effect of removing rheumatic fever. When the patient is unwell or active, acupoints can be used to prescribe the right medicine. Traditional Chinese medicine believes that "Qi deficiency due to cold pathogenic factors but not wind propaganda" and "Yang deficiency in febrile diseases" cause weakness of the spleen and stomach, which is easy to cause Yin arthralgia. Those who have been treated for a long time are easy to cause pain in the waist and legs. Those who warm the kidney and warm the meridians should first be small and then heavy. That is, Da Kai Qiao Zheng Xing Yi Jing Tang, which is used to strengthen the movement and benefit the water. Acupuncture and moxibustion therapy is widely used in clinical practice, mainly to make up for the defect of traditional Chinese medicine in "removing blood stasis due to cold evil". Acupuncture and moxibustion have a good effect on the sequelae of stroke. Acupuncture and moxibustion mainly produces an irritant substance in the patient's body through the massage of acupoints. This stimulus is absorbed into the human tissue to form a local or whole body. When these individuals have pain, it will affect their surrounding environment to a certain extent. The traditional Chinese medicine treatment method is to use this point to carry out acupuncture therapy, treat diseases, and promote the development of physical and mental health, to achieve better results [7-8].

2.2 Sequelae of Rheumatic Disease

Apoplexy is a disease that can not be ignored. In the theory of traditional Chinese medicine, apoplexy belongs to abiotic factors. From the physiological, pathological, and psychological aspects

of the human body, there is uncertainty, and the complex and diverse factors in the human body constitute a multilevel structure. The cardiovascular and cerebrovascular system is composed of the heart and arteries. The blood circulation process mainly includes hemodynamics, vascular and venous conduction reactions, transport nerve, and ciliary duct reactions. The diagnostic pulse (VaR) refers to the analysis of the patient's physical signs to judge whether the human movement ability and the functional status of all parts of the body are normal. The main characteristics of stroke are: high incidence rate, less disability, and multiple. According to the theory of traditional Chinese medicine, the pathological state of human body is closely related to wind. There are many complex factors inside the human body that jointly affect the production process of wind, pathogenic Qi, and viral factors, while patients are in a changing environment from inside to the outside. At the same time, stroke disease will also change due to the change of brain nerve function, which makes some special physiological indicators such as pressure drop and blood dryness appear in clinic. Traditional Chinese medicine believes that stroke is a pathological disease. In the process of treatment, it is mainly controlled by internal and external causes. First of all, we should know that wind, cold, damp, heat, and warm water do great harm to human skin. Secondly, we should dispel evil and eliminate fire. After expectorant and antitussive drugs, the local Qi mechanism can be exuberant, leading to blood deficiency or petechia formation, to achieve the purpose of clearing Yang and relieving asthma. Thirdly, diuresis and detumescence can not be ignored. Drug treatment will produce side effects, and long-term medication is likely to cause problems such as intestinal acidification and blood system disorders in poisoned people [9-10].

The sequelae of stroke can be divided into brain stem and heart valve diseases. The main manifestations of brainstem lesions are as follows: (1) due to the poor blood flow in the brain, metabolism is hindered, resulting in neuronal defects and then brain dysfunction. (2) The proliferation, thickening, or abscission of membrane epithelial cells in the nerve root area caused the symptoms of qi deficiency in the compressed part of the affected limb during acupuncture treatment, which led to the sequelae of stroke. (3) Intracranial edema and brain stem tissue damage cause lateral cerebral vasospasm and inflammatory reaction [11-12].

2.3 Post Stroke Sequelae Examination Techniques

The image of the treatment of acupuncture and moxibustion in traditional Chinese medicine is scanned. Use line drawing on human skin. Carefully observe the surface course. Then place it on the surface of the specimen plate. After a certain degree, computer analysis software is used to process the obtained image data and draw corresponding conclusions and results for reference or clinicians to judge whether further research is needed. At the same time, we can also select the appropriate range of images according to the patient's physical condition and other factors as the basis for evaluating the curative effect, treatment effect, and preventing disease, so that patients can better understand what problems they have in traditional Chinese medicine acupuncture.

This article mainly adopts the conventional imaging examination method, that is, to observe the samples radially in the head and abdomen of the patient. Due to the different internal structures of the human body, it also has different degrees of feeling about the specimen. For patients with cerebrovascular disease or cardiopulmonary inflammation. We can directly distinguish the symptoms such as bloody eye, jaundice, dizziness, and purple spot arteriole swelling through the naked eye. For patients with stroke and waist and leg pain, we can use the cervical intervertebral disc ligation to observe the specimen and cross-examine the two ends. The principle and process of medical imaging technology algorithm are as follows. In a subspace set $\{s_1, S_2, \dots, s_n\}$, the pruning method calculates the number of records contained in each subspace:

$$x_{sj} = \sum_{u_i \in s_j} count(u_i) \quad (1)$$

Here, count (UI) is the total number of points contained in the UI of the densest subunit, and X is the coverage of the subspace SJ. The algorithm arranges the subspaces in descending order according to the number of coverages, and then makes the subspace include two combinations of the selected set R and the pruned set P. For each set, the average value covered in the region can be counted to sum the difference between the average value and the average value in each subspace:

$$CL(i) = \log_2(u_1(i)) + \log_2(x_{ij} - u_1(i)) + \log_2(u_p(i)) + \log_2(x_{sj} - u_p(i)) \quad (2)$$

$1 < j < i$

Determine a parameter I value to minimize the objective function Cl (I), which is the segmentation point to be found in the process of algorithm analysis.

3. Experimental Process of Safety and Effectiveness of Acupuncture and Moxibustion in Treating Sequelae of Stroke

3.1 Inspection Steps for Sequelae of Stroke Treated by Acupuncture and Moxibustion

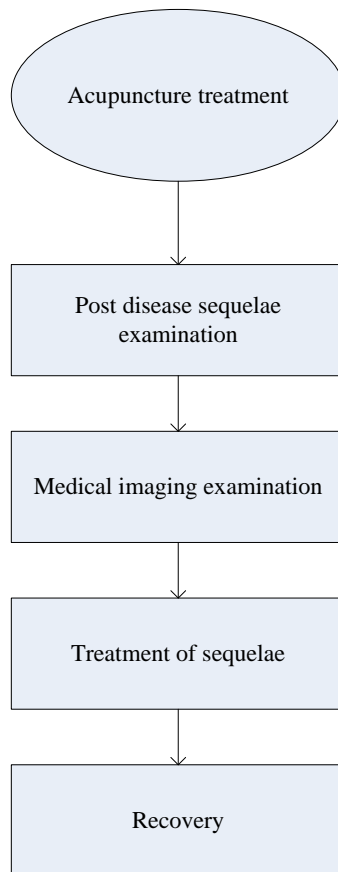


Figure 1: Examination procedure of acupuncture treatment for the sequelae of stroke

It can be seen from Figure 1 that first of all, it is necessary to confirm that the acupuncture method is consistent with the traditional Chinese medicine commonly used in traditional medicine. Secondly, it is also necessary to determine whether the patient will have an accident when using it. If an accident is found, it is necessary to remedy it in time. If it is necessary to supplement due to improper operation or failure to notice, it is also necessary to record in detail the root cause and

condition of the disease diagnosed by the doctor, check and verify the gap between the curative effect and the expected effect, and then confirm whether the safety and effectiveness of acupuncture treatment of sequelae meet the requirements. The first step is to determine that acupuncture can alleviate the sequelae of stroke according to the patient's physical condition. Step 2: check whether there are poisons or other odors. The third step is to gently pat the cross-shaped fist face to wipe the skin of the opponent and smooth it before acupuncture treatment after confirming that it is nontoxic and harmless. If there is no bleeding in the affected area, it means that the patients in this area have lost the effect of the treatment method and need to continue to use the medicine until it is completely eradicated. If there is a white nod or a black nod, it will disappear.

3.2 Steps to Verify the Safety and Effectiveness of Acupuncture and Moxibustion in Treating Sequelae of Stroke

During the test, the amount and time of experimental drugs should be strictly controlled, followed by comprehensive and detailed explanation and training for patients. To ensure the safety and effectiveness of the test, it is necessary to determine whether the experimental scheme is feasible. Before acupuncture and moxibustion treatment, the patient needs to wash the skin with normal saline, dry the local tissue, and then use drug injection. Because the blood cannot be directly exposed to the human body surface and is rejected and absorbed, there is an appropriate balance point between the drug concentration and dosage (generally 0.01mg/ml) judged by the acupuncture position, because the subjects of this study are common diseases of cerebral apoplexy (such as congenital heart disease). Therefore, to ensure the reliability and accuracy of the experimental data and results, it is necessary to strengthen the acupuncture training for patients and regularly check whether there are problems such as sequelae. Finally, it is necessary to constantly summarize experience in the process of clinical trials to improve the efficacy and safety. At the same time, it can fundamentally reduce the error and error rate and reduce the cost.

4. Experimental Analysis on the Safety and Effectiveness of Acupuncture and Moxibustion in Treating Sequelae of Stroke

4.1 Analysis on the Safety and Effectiveness of Acupuncture and Moxibustion in Treating Sequelae of Stroke

Table 1 shows the test data of this experiment.

Table 1: Examination data of acupuncture treatment for the sequelae of stroke

Test times	Blood pressure in the brain during a stroke(mmH)	Blood pressure in the brain during acupuncture treatment(mmH)	Blood pressure in the brain after the sequelae of acupuncture treatment(mmh)
1	198	165	174
2	206	160	172
3	207	153	168
4	196	158	172
5	201	170	176

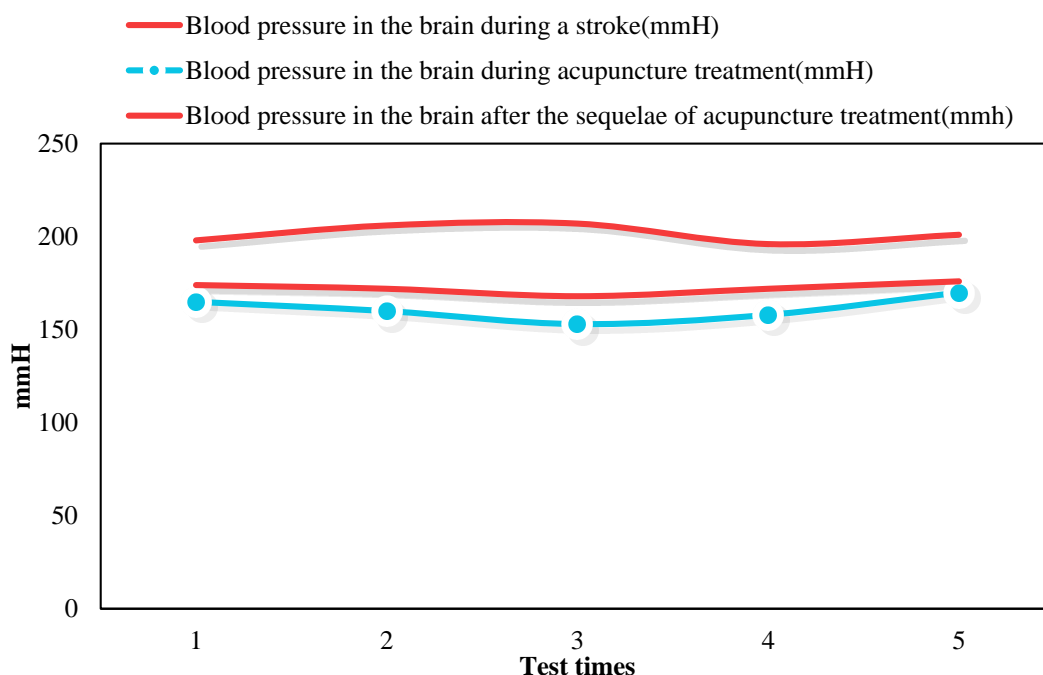


Figure 2: Brain blood pressure values for stroke sequelae after acupuncture treatment

From the point of view of acupuncture and moxibustion treatment, different drugs are used for patients to quickly eliminate the pain and rehabilitation effects brought by the sequelae of patients' pain in a short time. At the same time, it can also improve the understanding of doctors and drug users on the follow-up development of the disease and promote the clinical efficacy. The safety evaluation results of different treatment schemes in this study are shown in Figure 2. According to the statistical analysis results, acupuncture and moxibustion are mainly used to eliminate common trace elements, brain tissue, fluid, and nerve plexus disease in stroke patients. Acupuncture and moxibustion treatment has a good control effect on the brain blood pressure of stroke patients and can maintain a good pressure value even after the sequelae are complicated. This shows that acupuncture and moxibustion have good therapeutic effect and safety on the sequelae of stroke.

5. Conclusions

With the continuous development of society, people's living standards have been significantly improved, and their basic necessities of life have also been greatly improved. However, at the same time, due to the rapid progress of modern medical undertakings and the enhancement of people's awareness of health issues, the death rate of stroke patients has increased year by year, the disability rate has increased and the number of mutagenic factors has gradually become one of the most prominent pathological diagnostic factors affecting the clinical treatment of traditional Chinese medicine. As an effective antihypertensive drug, acupuncture has good curative effect and economic benefits in preventing the sequelae of stroke, therefore, it has been widely used in clinics.

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