

Table 1 Effects of sugar tolerance of Extracts from PAFM blood glucose level mmol/l(s±x)

Groups	Normal blood glucose level	30min	1h	2h
Normal control group	7.93±1.4430	8.68±1.8749	10.07±2.0434	10.02±2.1217
Model group	9.41±1.4161	10.8±1.6275	10.53±1.5210	11.04±1.9817
Akapo sugar group	8.38±1.2577	9.10±1.1766*	8.87±1.1757*	9.42±1.4832
Water extract group	9.63±1.1456	9.31±1.2554*	10.39±1.5759	10.58±1.7261
Ethanol extract group	8.81±1.1377	8.5±1.3671**	8.46±1.2313**	8.55±1.7373**

Note: Compared with the model group, \* P <0.05, \*\* P <0.01

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### EFFECT OF ZHENGANXIFENG DECOCTION ON AORTIC FIBROSIS IN RATS WITH ESSENTIAL HYPERTENSION

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**Abstract** Hypertension has become a major chronic disease affecting the health of residents in China. The decoction of Zhenganxifeng can be used in the treatment of hypertension. The effect of this prescription in the treatment of hypertensive rats was proved in the experiment. In recent years, studies have shown that the town of Zhenganxifeng decoction can play a role in reducing blood pressure through multiple targets. SHR rats, with Kato Pury as a positive control medicine, observation of Zhenganxifeng Decoction on the antihypertensive effect of primary hypertension and detection of rat aortic TGF- beta 1, collagen type CTGF, relative gene expression and Smad2 protein expression influence. It is concluded that Zhenganxifeng decoction can decrease the blood pressure and inhibit the fibrosis of aorta in rats.

**Key words:** Zhenganxifeng Decoction, Essential hypertension, Aortic fibrosis

Hypertension has become a major chronic disease affecting the health of residents in our country, according to statistics, China has more than 2.66 million patients with hypertension. [1-2] High blood pressure can lead to hardening of the arteries, and accelerate the formation of atherosclerosis, and ultimately lead to brain, heart, kidney and other important organs ischemia, hypoxia and dysfunction. Arterial wall fibrosis is the common pathological basis of various types of atherosclerosis. It has been proved in animal models that hypertension can lead to aortic fibrosis.

Zhenganxifeng decoction can regulate the renin angiotensin aldosterone system, inhibition of TGF- beta 1 and IGF-1 expression, promote collagen degrading enzyme produced so as to reduce blood pressure, inhibit myocardial fibrosis [3].

**Objective** In this study, SHR rats were used to observe the effect of Zhenganxifeng Decoction on reducing blood pressure and inhibiting aortic fibrosis in rats with essential hypertension.

**Materials and methods** Male SHR rats and male Wistar rats, conventional extraction of Decoction, positive selection card Topri. 10 Wistar rats were divided into blank group, 40 SHR rats were randomly divided into two groups, each group consisted of 10 rats. Model group, positive drug group (Kato Pury), high dose group, low dose group. Rats were given 1ml per 100g, once a day for 4 weeks.

**Results and discussion** Compared with blank group, the blood pressure of each group increased, the difference was statistically significant (P<0.05 or P<0.01), Compared with the model group, the blood pressure of each group was reduced, and the difference was statistically significant (P<0.01). Compared with the model group, the decoction can reduce the blood pressure and inhibit the relative expression of TGF- beta 1, collagen type I, CTGF gene and the expression of Smad2 in aorta, and decrease the expression of protein.

The process occurs in the aortic fibrosis development, TGF- beta 1 plays a key role in the cell factor, its overexpression can promote the synthesis of extracellular matrix, accelerate fibroblast proliferation, differentiation, the formation of myofibroblast. Smad protein family is the most important substrate of TGF- beta receptor, which can transduce the signal of TGF- 1 into the cell, promote cell proliferation and differentiation. The excessive synthesis of intracellular a-SMA and collagen can accelerate the development of aortic fibrosis. CTGF is a kind of induced fibrosis protein induced by TGF- beta 1, which is the downstream substance of TGF- beta 1. At the same time, CTGF is an important regulator of TGF- beta 1 activity, and the interaction between them is regulated by transcriptional regulation. The mechanism may be related to the activation of TGF- beta 1 response element and its protein.

In this experiment, the high and low dose of the decoction were verified. And through the real-time quantitative PCR detection of rat TGF- $\beta$  1, collagen type CTGF, relative gene expression, and the expression of Smad2 protein was detected by Western blot using rat aortic protein, that effect of Zhen-ganxifeng Decoction inhibits primary aortic fibrosis in hypertensive rats, possibly through inhibition of TGF- $\beta$  1, collagen type CTGF, relative gene expression, and the expression of Smad2 to achieve.

References:

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## THE FEASIBILITY OF THE TREATMENT OF REFRACTORY FACIAL PARALYSIS BY THE METHOD OF STAGNATION

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**Abstract** Refractory facial paralysis, clinical treatment is a problem. Chinese traditional medicine that the pathogenesis of the disease due to the delay of delay in the course of time, meridian dystrophy, by the tendon relaxation does not receive, or facial tendons are not long-term nutritional support and the disease. Acupuncture can achieve Fuzheng Quxie, dredge the meridian treatment purposes. For patients with refractory facial paralysis, ordinary acupuncture stimulation is small, can not achieve a good therapeutic effect. In the traditional method of treatment based on the combination of stagnation needle pulling method can make the cure rate of 77.3%. Stretch pulling method is an effective method for the treatment of refractory facial paralysis.

**Key words:** stagnation needle pulling method; refractory facial paralysis;

Facial paralysis, the patient often manifested as eyebrows eyebrows, eyelid closed incomplete, towering nose weakness, mouth crooked sagging. More than 70% of facial paralysis patients after treatment can be gradually cured, but there are 10% -20% of patients due to higher lesions or misdiagnosis and the patient's own situation and other reasons, after long-term treatment of facial nerve recovery is still not ideal. After a large number of literature and according to the author's clinical experience, the incidence of 1-3 months or even as long as six months of conventional treatment, no recovery or significant recovery, still left eyelid closure, mouth skewed patients, can be defined For the curative facial paralysis. The disease brings great mental stress and pain to the patient. In this study, the traditional acupuncture points on the increase in the application of Yang Bai, Si Bai points stagnation.

**Objective** To observe the clinical curative effect of the treatment of refractory facial paralysis and to find an effective method for the treatment of refractory facial paralysis.

**Materials and methods** 44 cases of refractory facial paralysis were included in acupuncture and moxibustion ward and outpatient department of Affiliated Hospital of Heilongjiang University of Traditional Chinese Medicine. Patients were randomly divided into treatment group and control group. Treatment group of 22 cases, the control group of 22 cases. The control group according to the traditional acupuncture points: Yang Bai, four white, zygomatic, cheek car, to warehouse, Yifeng, Hegu, Zusanli, Taichong, are the patient side. Treatment group in the control group acupoints based on acupuncture four white points down through the piercing incense or to the hole, to be a needle after the application of rubbing method, thumb index finger, thumb back, the index finger forward rubbing 3- 5 times, so that the needle body and muscle fibers wrapped to achieve stagnation needle reaction, and then a rubbing to make facial paralyzed muscles repeatedly mentioned, for about 15 times, so that facial muscles produce movement, the strength of the patient can tolerate the degree, And then 1.5-inch needle through the four white hole needle handle hole, the tip of the direction of the slope below the slope (about silk hole) pierced 1-1.5 inches deep, and so that the pull the surface of the needle fixed and can see To paralyze the facial muscles were pulled up, mouth and nasolabial folds were nearly normal position; acupuncture Yang Bai points to save bamboo acupuncture points, the same method to the needle after the upward and then stagnation to repeat 15 times about. Yang Bai and four white as a group, the warehouse and Yifeng for a group of electric power, the use of G6805-II-type electro-surgical instrument, applied to continuous wave, the intensity of the patient can tolerate the degree. Each time 30min, 1 day, 6 days after continuous treatment for 1 day for a course of treatment, a total of 4 courses of treatment.

**Results and discussion** The total effective rate was 77.3% in the treatment group and 45.5% in the control group. Stretch pulling method is a compound approach, is a one-way twist needle to make the muscle fiber wound needle tip and pull together. Stagnation needle method can play a gas, strengthen the needle sense, line and other effects. Czochralski is based on the stagnation of the needle, to the side of the direction of a strong stretch, driving the skin and muscle to pull the direction of the shift, there are sun lift, to enhance the yang, positive correction of the role. This section acupuncture Yang Bai through bamboo, the acupuncture position is equivalent to the frowned (horizontal abdomen) distribution position, where the use of stagnation needle pulling method, can improve frown, eyebrow eye adverse symptoms; four white points in the infraorbital Hole in the depression,