

Trollius chinensis Bunge and *T. ledebourii* Reichb are both classified in Ranunculaceae tropaeolum genera [1] . *T. ledebourii* distributes mainly in Heilongjiang and north of Inner Mongolia, with effect of heat-clearing and detoxifying as Traditional Chinese medicine [2] . Modern pharmacological study indicates that it has function as antimicrobial, antiviral, antineoplastic and antioxidant activity etc, can be applied in treatment of upper respiratory infection. Its effective constituents mainly consist of total flavone, especially orientin and vetexin[3~4], moreover orientin can evidently act as resistance to oxygen-reoxygennation injury and protection to myocardial cells[5]. It has been reported that total flavone is used as quantitative index for *Trollius chinensis* medical material, and orientin and vetexin are used as well by testing quantity of them with thin-layer chromatographic scanning (TLCS) or HPLC to monitor quality of *Trollius chinensis*. For scientific evaluation and monitoring quality of *T. ledebourii*, this research employed HPLC to confirm fingerprint of *T. ledebourii*, and supported theoretical foundation for feasibility that *T. ledebourii* is used as medicine.

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SHALLOW RELATIONSHIP WITH FIVE INTERNAL ORGANS, VEINS AND ARTERIES FOR TALKING AN EAR

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Abstract pass the cultural heritage and clinical observation that the machine check, hand checks a decade, summary: Ear department the pathological changes and its treatment principle cure in the dialectical theory of the foundation top is as inseparable as five internal organs and veins and arteries, the curative effect shows Zhao. Provided a theory basis for clinical better Shi Zhi.

Keywords: ear; Five internal organs; Sun through veins and arteries

Objective: Inquire into the five internal organs of ear and Chinese medicine and and the relation of the veins and arteries of acupuncture, provided more way of thinkings and theory for the clinical treatment ear disease basis.

Material and method: 1. Collect historical data, pass the cultural heritage that the machine check, hand checks a decade, take 《The Yellow Emperor's Classic of Internal Medicine》 and each kind of ancient cultural heritage as blue origin, collect related and existing ancient works to talk about the historical data contents in the Zhao completely, explicit source. 2. Tidy up historical data, with the kidney is begun to understand to an ear is main line argument ear and other four dirty relations; Induce an ear relationship with veins and arteries.

Results and discussion:

1. Ear relationship with five internal organs, 《The Yellow Emperor's Classic of Internal Medicine》 is one speech kidney "is in the Qiao an ear", one speech heart "Be begun to understand to an ear". According to above-mentioned treatise future generations hence with the kidney is begun to understand to ear but heart Be begun to understand to tongue for is saying, the heart is begun to understand to an ear and then be been getting more shelved and forgotten. Consequently caused to cure an ear disease falsely the certificate commence from the kidney many, cure from the heart Bian few. Ming Dynasty king be willing to the hall put forward in 《Zheng Zhi Zhun Sheng》 : "The heart is in the Qiao a tongue, with the tongue non- crevice, due to sending Qiao at the ear then the kidney is the lord of ear Qiao, the heart is the guest of ear Qiao". Blend a heart kidney is respectively two kinds of theories of ear Qiao. People's disease two Xies descend little stomachache, eyes red painful Zi Yang, ear have no smell "with" year old fire too, burning hot popular, the lung gold is subjected to evil, the Nue of people's disease, Yi dry deaf". Although this 2 didn't directly speak of ear and liver, lung two dirty relations, from the ruling list of "the ear has no smell",

“deaf” waits an ear disease-like in shape, not difficult calculate an ear of the occurrence of the disease with this two dirty also have a certain connection. Again 《Su Wen·Yu Ji Zhen Zang Theory》 “emperor Yue: The man son speech Pi is dirty for Gu, central soil with infuse four alongside, it too with cannot compare with, its disease all how? Qi Bo Yue: The too another arms and legs doesn’t raise, it cannot compares with to then make people’s nine Qiao impassabilities, the Yue is heavy strong”. The Pi is the day after tomorrow of originally, viscera, arms and legs 100 Hai etc. of the Ru keep to all rely on the luck of Pi to turn, the function of Pi is lowly, will influence the normal function of the machine body internal organs, veins and arteries, and officer Qiao...etc., certainly belong to the ear of nine one of the Qiaoses no exception, past emergence “impassability” or “deaf or buzzing in the ears”.

2. Ear relationship with internal organs veins and arteries, “ear disease falsely then the heart kidney of responsibility two dirty, actually then take of liver and gall two through”. Foot the sun urine bladder through because of top expert body head, it pays vein also with ear connect with each other, like 《Ling Shu · blood vessels》 said, “The vein of urine bladder foot the sun is risen to Zi inside the eyes, the last sun hands over Dian; It pays and goes to Cape of ear from the Dian”, past urine bladder through pathological changes can also to ear disease. And the Jin vein of foot Yangming stomach also follow before being gone to an ear. 《Ling Shu · blood vessels》 said “The Jin of foot Yangming, It of, from the cheek before being knotted to an ear.” Being past should be subjected to through the Jin evil, equally can also to ear disease of occurrence. Hand little sun three burnt through follow to go the ear and its surroundings, should experience evil will appear a homologous ear to the disease disease-like in shape, “is the ear Hun that moves then a disease Hun..... After the ear, shoulder nao, the elbow arm outside is all painful”. Hand the sun small intestines through also follow a line at the ear department, like 《Ling Shu · blood vessels》 said “The vein of small intestines hand the sun, It of, hear in; Keep, on the ear, descend knot at the Han, up belong to Zi outside the eyes.” Past its veins and arteries, through Jin sick, can appear “deaf”, and “blare a pain to lead Han in the ear”...etc.. Ear disease also with hand Yangming large intestine through relevant allied, 《Su Wen · Miu Ci Theory》 “the evil guest is at the net of hand Yangming, make people’s deaf, don’t smell a sound”. And treatment deaf can also from the large intestine through begin, 《Ling Shu · miscellaneous disease》 contains “is deaf but pain, ear hand Yangming” and explain hand Yangming large intestine through is the in common use acupuncture that cures a deaf certificate to take the place of cave.

Reference

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AN EXPERIMENTAL STUDY OF THE EFFECT OF BIEJIAJIAN PILL ON H22 TUMOR BEARING MICE

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Biejiajian Pill is classic prescription. In the previous study, we found Biejiajian Pill inhibit proliferation of malignant tumor cells; however, the mechanism involved in this process remains unclear. The Janus kinase (JAK)/signaling transducer and activator of transcription (STAT) signaling pathways are important signaling pathways involved in apoptosis, proliferation and inflammation. In the recent experiments, the findings related to JAK/STAT signaling pathway. The possible mechanism will be discussed.

Objective The experiments explored Biejiajian Pill how to play the antitumor role. H22 liver cancer solid tumor was the research object. To measure the morphology and proteins of the cells treated with the drug, the mechanism in vivo of the antitumor drug was analyzed.

Materials and methods Materials. Biejiajian Pill (Zhonglian Company, Wuhan) dissolved in distilled water. Cyclophosphamide (Shanghai Regal Biology Technology Company, Shanghai) is positive control group. Antibody of STAT3 and Survivin were both purchased by Boster Company.

Methods. Murine hepatocarcinoma cells injected into ICR mice and then different doses of Biejiajian Pill (0.411, 1.233, 3.699 g·kg⁻¹) were given. The dose of cyclophosphamide was 0.03 g·kg⁻¹. Tumor growth inhibition rate and spleen index were measured. The changes of cell morphology were observed by lighting microscopy and transmission electron microscopy (TEM). The effects of STAT3 and Survivin gene expression were detected by immunohistochemical method.

Results and discussion The tumor growth was inhibited by different doses of Biejiajian Pill and tumor growth inhibition rates were 30.24%, 36.72% and 46.74%. Moreover, the index of spleen increased. The growth rate of cyclophosphamide group was 50.04%, but spleen index didn’t significantly increase. Observing by lighting microscopy, drugs caused cell lineage sparse and lots of vacuoles produced in tissue. Cell apoptosis, nucleus pycnosis, and mitochondrion structure disruption were observed by TEM. STAT3 protein of Biejiajian Pill groups down-regulated significantly, compared with control groups. Biejiajian Pill has antitumor effect in vivo, which is probably related to enhance the body’s immune function and induce cell apoptosis by inhibiting JAK/STAT signaling pathways. Survivin gene is a JAK2/STAT3 downstream gene, which plays an important role in cell cycle and apoptosis, especially mitochondrion pathway of apoptosis. Lots of paper reported that Survivin gene expression was low in the normal cell, but high in the tumor cell. In the experiment, Survivin protein of Biejiajian Pill and cyclophosphamide groups were both down-regulated compared with control groups. It declared Biejiajian Pill inhibits hepatic carcinoma cell in vivo via JAK2/STAT3 signalling pathway.