

**Conclusion** acupoint sticking and moxibustion can improve clinical symptoms and signs in patients with asthma and control of acupoint sticking in the near future curative effect is better than that of moxibustion, the long-term curative effect of two groups.

**Keys** acupoint sticking;asthma remission;moxibustion

**References:**

1. Ziying.Wu Combined with traditional Chinese medicine for the treatment of bronchial asthma. [J].East Chinese medicine journal. 2012.31 (3) : 180-182.
2. The prevention and control of asthma in the Chinese medical association. [J].china tuberculosis and respiratory journal, 2008.31 (3) : 177-185.

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## **THE TREATMENT OF RHEUMATOID ARTHRITIS USING CHINESE MEDICINAL PLANTS: FROM PHARMACOLOGY TO POTENTIAL MOLECULAR MECHANISMS**

**Shaowa Lüa**

aKey Laboratory of Ministry of Education, Department of Pharmacology, Heilongjiang University of Chinese Medicine, Harbin 150040 +86 451 827266916. E-mail address: lswa5599@hotmail.com.

**ABSTRACT** Aims: Rheumatoid arthritis (RA) is a common worldwide public health problem. Because it causes deformation and functional disability, the treatment of RA requires urgent review as to provide basic data for further research and new drug development. Among these treatments, Traditional Chinese Medicine (TCM) achieved some results to some extent in the treatment of rheumatoid arthritis (RA). Especially in China, Chinese Material Medica (CMM) and CMM formulas are two important parts of TCM used in the clinic because of their advantages and low cost. Some of these CMM formulas have been used for thousands of years in ancient China, so TCM in anti-RA drug is considered as a simple and effective method. This paper aims to summarize pharmacology of CMM formulas in the treatment of RA and mechanism studies of related compounds. We believe that this paper will provide a data support for further research, and draw more attention to benefits that TCM therapeutics on RA bring to us.

**Materials and methods:** Relevant scientific literatures were collected from Chinese traditional books and Chinese Pharmacopoeia. Several important pharmacology data, clinical observations, animal experiments on effects of anti-RA drugs from CMM and their mechanism were extracted from a library and electric search (Pubmed, CNKI, Wan Fang, Bai du).

**Results:** This review mainly introduces the current research on anti-RA compounds and extracts from CMM, CMM formulas, pharmacological data and potential mechanisms (inhibit osteoclast proliferation, suppress fibroblast-like synoviocytes (FLSs) growth, decrease the expression of inflammatory cytokines, blocking signal pathways, etc.).

**Conclusions:** CMM, as a multi-component and multi-target approach, which is a perfect match with the holistic concept of systems biology, is applicable in the treatment of RA. The synergistic connections of Chinese herbs and mechanisms of related active compounds on RA increase the trust for CMM. CMM as alternative remedies for RA has an important position. It will bring benefits for RA patients. Moreover, the development of anti-CMM not only enriches anti-RA drugs in the world market, but also has an irreplaceable role in the treatment of RA in future.

**Keywords:** Review; Chinese Material Medica; Rheumatoid Arthritis; Molecular mechanism;

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**MESSAGE TREATMENT FOR PEDIATRIC ALLERGIC RHINITIS 1A TYPICAL CASE REPORT**

**Shishanyi**

The second hospital of heilongjiang university of traditional Chinese medicine is the center of the disease, Harbin in heilongjiang province 1241360137@QQ.COM

Abstract: 1 cases of allergic rhinitis were treated with children's massage

Allergic rhinitis (AR) is a Allergic disease that occurs in the mucosa of the nasal cavity due to contact with the body. Nowadays, with the development of the productive forces in the modern society, the problem of air pollution is becoming more and more serious, and the number of people with allergic rhinitis in children is increasing. Children who suffer from a common nasal itch, a continuous sneeze, a nasal obstruction, and a heavy sleeper are difficult to sleep at night. The clinical results of the treatment of pediatric allergic rhinitis by the Chinese medical association of Shanghai university of traditional Chinese medicine, which is affiliated to yueyang hospital of the Chinese medical university of Shanghai, have been reported as follows.

1Clinical data Example 1: child, male, 15 months. Continuous sneezing, nasal flow cleaning stuff for half a month, usually 5 ~ 10, nasal congestion at night, children often rub your nose, eyes, facial pain, in otolaryngology examination, pale nasal mucosa, edema, there were a lot of snot, children look tired, diet stay, shit

There is loose flow, the tongue is thin and fat has tooth mark, moss white, the pulse is slow. The serum Ig E went up. Diagnosis: western medicine: allergic rhinitis.

The doctor of traditional Chinese medicine: Qiu several spleen-deficiency (lung). Treatment: the infantile tuina, find out: open doors 50 times, push the candy house 50 times, 50 times the sun, the hornets into the hole 100 times, wipe nasal side 100 times, filling the lungs by 300 times, tonifying spleen by 300 times, kidney by 300 times, device two door 50 times, 100 times and foreign labor palace, on three close 50 times, lung yu 200 times, knead ridge five times, with three mile 50 times, the shoulder well 50 times. Treatment: 6 times for a treatment. Results: for the first time sneezing runny nose symptoms improved significantly after treatment, after a period of treatment, treatment of six consecutive visit sneezing runny nose almost disappear, basic stool forming, parents continue to cooperate with treatment, children on the third visit sneezing runny nose did not reappear, defecate is normal, diet is

But, the child is lively and active, the complexion is rosy. The parents follow up with treatment, two times a week for respiratory care, and an allergic rhinitis for half a year

2 discuss Physiological characteristics of children's congenital pulmonary jiao spleen is weak, so prone to lung deficiency of temper, so on the treatment, besides the traditional therapy and releasing lungs: should join benefit lung spleen of TCM, which is the pathogenesis of allergic rhinitis in adults and children with allergic rhinitis in the biggest difference. At the same time, we further strengthen the enhancement of the children's physical acupoint, and obtain the effective treatment of the spleen and lungs. Open the door of the sky, push the palace, knead the sun, take the shoulder well to cooperate, work together to be the breeze to solve the watch, wake up the brain, stop the work of the headache. The wasp enters the hole and helps the nose to function. The spleen is invigorating and nourishing the spleen and invigorating the stomach. The function of filling the lungs to collect the kidney. Push 3 pass, pinch to knead 2 door, complement kidney classics, knead the ridge, can strengthen immunity by kneading foot 3. In the second case, the children had asthma attacks, and they were added to phlegm to stop coughing

It is. The children's massage from the hospital in yueyang, which is affiliated with the Shanghai university of Chinese medicine, was adopted by the sea school