Application and Characteristics of Chinese Herbal Medicine Containing Schisandra

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Abstract. Schisandra is the dried and ripe fruit of Chinese magnoliavine, which has the functions of protecting the liver and gallbladder, lowering blood sugar, antibacterial and anti-aging. Schisandra contains biological activity is very high. As a commonly used blind Chinese herbal medicine, Schisandra often appear in the treatment of vertigo, palpitations, insomnia in the proprietary Chinese medicine, play a nourishing liver and kidney, nourishing the nerves and so on. Chinese Pharmacopoeia contains a total of 102 kinds of Chinese medicine containing Schisandra, according to the dosage form will contain Schisandra proprietary Chinese medicine is divided into pills, tablets, granules and other 8 categories, according to the compatibility of Schisandra application, will contain Schisandra proprietary Chinese medicine functional Class 9. In this paper, the main clinical application of proprietary Chinese medicines containing Schisandra chinensis was analyzed by analyzing the classification and functional treatment of Chinese medicinal constituents containing Schisandra in pharmacopoeia, and then providing the basis for the analysis of Schisandra in proprietary Chinese medicine and the study is conducted to give guidance.

1. Introduction
Schisandra for the magnolia plants Schisandra dry and mature fruit, known as the "Schisandra" [1]. Schisandra flavor, sweet, warm, go to the lungs, heart, and kidney by. Schisandra has the function of astringency, invigoration, and invigoration of the kidney. Schisandra is generally used for chronic cough and dampness, dream slip skull, enuresis urinary frequency, chromic diarrhea, spontaneous sweating sweat, Tianjin thirst, heat Diabetes, palpitations insomnia. Schisandra is also used for diet and health care, with anti-aging, anti-oxidation, anti-tumor and other biological activity. Chinese traditional medicine, the North Schisandra and Schisandra common, but the quality of the north Schisandra is higher than the South Schisandra [2]. In order to further explore the modern research direction and key points of traditional Chinese medicine containing Schisandra, the classification and function of Schisandra chinensis in pharmacopoeia were summarized, and the drug was summarized and summarized.

2. "Chinese Pharmacopoeia" Contains Schisandra Proprietary Chinese Medicine Situation
In the "Chinese Pharmacopoeia" CPC query a total of 102 kinds of Chinese medicine containing Schisandra, are oral preparations. According to the dosage form of eight categories, the first three are followed by pills, tablets and granules; occupy all the formulations of 68.7%. As shown in Table 1, there were 32 kinds of pills, 22 kinds of tablets, 16 kinds of granules, 13 kinds of capsules, 5 kinds of oral liquid, 3 kinds of medicaments, 2 kinds of syrup and 9 kinds of other preparations.
Table 1 contains the fragrance of Chinese medicine prescription drug distribution

| Dosage form | pill | tablet | Granules | capsule | Oral solution | mixture | syrup | other |
|-------------|------|--------|----------|---------|---------------|---------|-------|-------|
| Quantity    | 32   | 22     | 16       | 13      | 5             | 3       | 2     | 9     |
| Percentage  | 31.4 | 21.6   | 15.7     | 12.7    | 4.9           | 2.9     | 1.9   | 8.9   |

3. With Schisandra Proprietary Chinese Medicine Indications, on behalf of Drugs and the Number

According to the 2015 version of "Chinese Pharmacopoeia" recorded in Schisandra proprietary Chinese medicine indications, 102 kinds of containing Schisandra proprietary Chinese medicine for a simple classification of the total. According to the effect will be roughly divided into 9 categories, respectively, nourishing liver and kidney, blood circulation [3]; breath and blood, nourishing the nerves; solution table of drinking, cough and asthma; the chemical blood stasis, the liver and spleen; To relieve the heat of the Yin and the heat; Tonic and kidney tonic, tonic and kidney; tonifying qi complex pulse, invigorating kidney and nourishing essence; warming kidney for dispelling cold, Shibuya intestinal pain; Clear lung is dry, phlegm cough 9 [4]. It can be seen from Table 2, with nourishing liver and kidney, blood circulation effect of Chinese medicine has the most types of applications, accounting for 33.3% of all Chinese medicine categories. With the qi and blood, nourishing the nerves of the efficacy of proprietary Chinese medicine has more types of applications, accounting for 25.5% of all Chinese medicine categories. With the table to drink, cough and asthma effect of proprietary Chinese medicine has a considerable number of applications, accounting for 13.7% of all proprietary Chinese medicine category. The first three accounted for a total of 72.5% of all varieties of ginger, and the latter five accounted for 27.5%.

Table 2. contains Schisandra proprietary Chinese medicine indications, on behalf of drugs and the number

| Effect                                                                 | Attending                                      | On behalf of proprietary Chinese medicines | number |
|------------------------------------------------------------------------|------------------------------------------------|---------------------------------------------|--------|
| Nourishing liver and kidney, blood circulation                        | Liver and kidney yin deficiency                | Hepatitis b raises Yin and blood particles  | 34     |
| Nourish the blood and nourish the mind                                | Red any loss of blood loss                     | 27 taste of qun yun pill                    | 26     |
| Dissociate, cough and breathe                                          | Cold water to drink cold fever                 | Xiaoqinglong mixture                        | 14     |
| The blood stasis is clear and the liver is invigorating                | Qi stagnation blood stasis is liver depression| Jiwei hechetai capsule                      | 9      |
| Nourishing Yin and nourishing the heat, divide the pain and the god    | Kidney yin deficiency caused by menopause      | Genfianan tablet                            | 8      |
| Complement kidney and essence, complement kidney                       | Astringent                                     | Qiwe Duqi Pill                              | 5      |
| Qi complex pulse, nourish Yin shengli                                  | Qi and Yin two bad palitations shortness of   | Pulse-activating decoction                   | 3      |
| Clear lung is dry, phlegm cough                                       | Cough caused by dry heat                       | Ermu Ningzou Pills                          | 3      |

4. Schisandra in the application of Chinese medicine in the production

In the 2015 edition of "Chinese Pharmacopoeia", there were 78 kinds of Chinese herbal medicines containing Schisandra as the main medicine, accounting for 76.5%, and 15 kinds of Schisandra as adjuvant. There were 9 kinds of medicine, such as Schisandra decoction, vinegar Schisandra and
Schisandra chinensis, and 8 kinds of drugs, 5 kinds, 3 kinds of [5]. See Table 3 for details.

Table 3 containing Schisandra Chinese herbal medicine production application distribution

| Application | Main medicine | Water decoction | Vinegar products | Extract | other |
|-------------|---------------|-----------------|-----------------|---------|-------|
| Quantity    | 78            | 8               | 4               | 3       | 9     |
| percentage  | 76.5          | 7.8             | 3.9             | 2.9     | 8.9   |

5. With Schisandra Chinese herbal Medicine Compatibility Application

The compatibility of traditional Chinese medicine in line with traditional Chinese medicine, "seven emotions together," the theoretical principles, with a certain functional attending, so we can through the compatibility of traditional Chinese medicine to explain the compatibility of traditional Chinese medicine [6].

5.1. Health Pulse Drink

It is composed of three kinds of traditional Chinese medicine, such as red ginseng, wheat and winter, and five MSG. It has the function of nourishing qi and nourishing Yin and nourishing Yin, and it is used for qi Yin and Yin, and the heart palpitation is short. Is the traditional method of radix ophiopogonis and fructus schisandrae in accordance with the prescribed dose into the pot add water, high heat and bring to a boil, turn to simmer for 15 minutes, add the cooked with water after good ginseng slice of glass jug taking [7].

Summer should be appropriate to add Shengmai Yin, especially for physically weak sweating people, the elderly, should drink some Shengmai drink to Qi, the side contains Schisandra has a convergence effect, prevention and treatment due to sweating And more hurt; Ophiopogon can add yin, help to add lost Yin Ye [8].

5.2. Zao Ren Anshen Granule

The jujube kernel is composed of stir-fried jujube, danshen and vinegar, and three flavors of Chinese traditional medicine. After three times, it combines the decoction with the mixture of the dextrin and the mixture of dextrin, and makes granules and dry. This side has the effect of raising blood and tranquilic. To be used for the upset, insomnia, dizziness and forgetfulness caused by lack of care; Neurasthenia sees these syndromes. The effect of jujube kernel and anshen granule in clinic is significant and the side effect is small. Insomnia is thought to be due to liver and kidney Yin deficiency in the traditional Chinese medicine theory, the brain caused by emptiness, basic pathogenesis is the kidney and kidney essence deficiency, so clinical treatment with nourishing liver and kidney, nourish Yin latent Yang, yi jing brain is given priority to, so as to achieve the effect of the balance of Yin and Yang [9]. It is used for the treatment of dizziness, insomnia, sweat and sweat, short breath and nervous breakdown. For insomnia caused by neurasthenia, effective [10].

5.3. Shenqi Schisandra Tablets

The Chinese herbal medicine of astragalus schisandra is a Chinese traditional Chinese medicine which contains the nan-wushen, danshen, astragalus and Fried sour jujube. Its method is to break up the party’s participation in the nan-wu-sho powder into fine powder; Astragalus, Fried sour jujube, and the remaining south 5 MSG were soaked after impregnation, and after collecting leachate, the concentration was merged. Add the powder and the mixture to mix, make the granules, dry [11]. This herbal medicine has the function of invigorating the spleen and invigorating the heart, which can be used for the insomnia, dreaminess, forgetfulness, fatigue, palpitation, shortness of breath and night sweats caused by the deficiency of qi and blood. In traditional Chinese medicine, it is thought that the two deficiency of spleen and stomach is caused by excessive thinking, which is caused by injury to the heart and spleen. Splenic injury and biochemical waste source, qi and blood deficiency, blood not to nourish the heart, loss of the heart, leading to insomnia, [12]. It can be used to supplement qi, and it can
be used to supplement blood, which is mainly used for spleen and stomach qi and blood, also known as Yin and Yang.

6. Discussion
It contains five MSG polysaccharides, which have the function of protecting liver and bile, lowering blood sugar, antibacterial antibacterial and anti-tumor. As a common edible medicine, it is often used in anti-oxidative anti-aging and other aspects of [14]. Injection of D-galactose building methods, experimental studies have found that raspberry alcohol extract in mice aging model of neurotransmitter has the effect to improve [15]. Modern research through analyzing the chemical composition in fructus schisandrae, found in the fruit of Chinese magnoliavine rare "fructus schisandrae drop terpene," made in China in fructus schisandrae families triterpenoid plant research occupies the leading position. The latest study proves the biphenyl cyclooctadiene fructus schisandrae class wooden fat element which have biological activity, such as HIV found SJP-L-5 a high activity and unique mechanism of action, low toxicity of drugs, is expected to be an example for anti-hiv drug development [16].

Modern research focuses on the development and utilization of the five MSG, which focuses on the new medicine, extracts, and ignores the research of the monomanitic alone, and the research on the acute toxicity reaction of the schisandra has been lacking. In the research on the products of the five MSG products, although it has been proved that the wine products of the five taste products have the effect of warm and invigorated kidney Yang, the research on its role in the central nervous system lacks the basic theory. And fructus schisandrae in proprietary Chinese medicine play a specific role and its mechanism is still not too clear, so deal with fructus schisandrae toxicity studies, and contains the chemical composition of the separation, identification and its mechanism of action of in-depth study.

Based on the problems presented by the modern research institute of the five - taste children, the modern analysis and research of the five - taste children should focus on the study of the acute toxicity of the Chinese medicinal materials and the Chinese medicine. The effect mechanism of schisandra wine products on the central nervous system needs to be further studied, and it is better to inherit and carry forward the processing technology of schisandra and its characteristics. For proprietary Chinese medicine containing fructus schisandrae in fructus schisandrae shall give further discuss the role of mechanism, makes the fruit of Chinese magnoliavine proprietary Chinese medicine play a significant role in clinical applications, let the fruit of Chinese magnoliavine create more social benefits and economic benefits. In this paper, the main clinical application of proprietary Chinese medicines containing Schisandra chinensis was analyzed by analyzing the classification and functional treatment of Chinese medicinal constituents containing Schisandra in pharmacopoeia, and then providing the basis for the analysis of Schisandra in proprietary Chinese medicine and The study is conducted to give guidance.

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8. References
[1] National Pharmacopoeia Commission. People's Republic of China Pharmacopoeia [M]. Beijing: China Medical Science and Technology Press, 2015: 66.
[2] Dong Wenxue, Shu Yongzhi, Liu Yi, et al. Advances in chemical constituents and pharmacological effects of Schisandra chinensis [J]. Chinese Traditional Medicine, 2014, 45 (13): 1938–1959.
[3] Wang Jiali, Yang Hongtao. Schisandra the main chemical composition of pharmacological research [J]. Henan Traditional Chinese Medicine, 2014, 34 (02): 357–359.
[4] Zhou Yanyan. Schisandra's modern pharmacological effects of research progress [J]. Strait Pharmacy, 2016, 28 (03): 183–184.
[5] He Jie. The characteristics and clinical application of 5 MSG. [J]. World latest medical information digest, 2016, 16 (79): 217.
[6] Xu Yue Ben. Schisandra pharmacological effects and clinical application of research progress
[7] Chen Haifang, Qi Jin, Yu Boyang. Shengmai San in ginseng, Ophiopogon japonicus and Schisandra extract in vitro antioxidant [J]. Chinese Journal of Experimental Traditional Chinese Medicine, 2016, 22 (19): 37.

[8] Zhou Qi. Summer fill point Shengmai drink [J]. Chinese folk therapy, 2017, 25 (06): 44.

[9] Li shan, Wang xiaofeng, Dang yuefang, et al. Research on pharmacokinetics of the main components of jujube kernel in rats [J]. Journal of northwestern university (natural science edition), 2014, 44 (02) : 252.

[10] Li Min, Wang Jie, He Qingyong, etc. "People's Republic of China Pharmacopoeia" contained in the treatment of insomnia proprietary Chinese medicine compatibility law [J]. Chinese Journal of Medicine, 2016, 57 (07): 558-562.

[11] Fan Yanfei, Sun Xiaoli. Shenqi Schisandra capsule combined with tea treatment of insomnia clinical efficacy observation [J]. Chinese community physician, 2017, 33 (15): 88.

[12] Song Liangyu, Xie Yu Tao. Shenqi Schisandra combined with Guipi pills treatment of heart and spleen deficiency type of insomnia clinical efficacy [J]. Jilin Medical, 2013, 34 (01): 70-71.

[13] Xu Chunxia, Liu Man, Chen Donglin, et al. Studies on the chemical constituents of Schisandra chinensis [J]. Chinese Traditional Patent Medicine, 2017, 39 (03): 547-550.

[14] Liu Yu-ling, Fu Sai, Fan Li Jiao, et al. Advances in chemical composition and pharmacological effects of Schisandra chinensis [J]. Chinese Journal of Experimental Traditional Medical Science, 2017, 23 (12): 228-234.

[15] Miao mingsan, Ma xiao, Zhang guangwei, et al. Effects of pentandra alcohol extract on brain neurotransmitter in mice aging model [J]. Journal of Chinese gerontology, 2010, 30 (15) : 2162-2163.

[16] Ni Sheng Lou. Study on dose-effect relationship of traditional Chinese medicine based on semi-structured interview and multi-stage random questionnaires [D]. Beijing University of Traditional Chinese Medicine, 2014.