

The Law and Academic Thought of Medicine for Treating Disintegrating Leakage in the “Women’s Grand Prescription” based on Data Mining

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Abstract: ***Objective:** To explore the medication rules and academic thoughts of treating disintegrating leakage in “Women’s Grand Prescription”. **Methods:** Firstly, the drugs for the treatment of leaky disintegration were summarized in the Prescription for Women’s Daquan, and then the characteristics of the drugs such as frequency of use, efficacy, sex, taste and normalization were summarized through the TCM inheritance auxiliary platform (V2.5), and the rules of their formulation were analyzed, and finally the core prescription of drugs was generated. **Results:** A total of 51 prescriptions and 94 flavors of Chinese medicine were sorted out by collecting the “Good Prescription for Women’s Daquan”. The Chinese medicine with high frequency of use (frequency ≥ 6 times) was *Angelica sinensis*, *ligusticum Chuanxiong* and *mugwort leaf*, with a total of 16 flavors; The four kinds of drugs of these 16 flavors were mainly warm, cold and ping. The five flavors are more common as Gan, xin and bitter; The liver, spleen and kidney are the main; The efficacy is mainly to tonifying deficiency, hemostasis, warming Li, astringent solid astringent medicine; Among them, 13 pairs of drug combinations (frequency ≥ 6 times), and 3 pairs of new drug pairs and 3 pairs of new core prescription were obtained by constructing drug relationship network diagram of the core combination. It can be seen that Mr. Chen Ziming achieved the purpose of regulating and replenishing chong Ren and rebuilding menstrual cycle by soothing the liver and strengthening the spleen and the kidney when diagnosing and treating disintegrating hemorrhage.*

Keywords: Prescription for Women’s Daquan, Caving Leakage, Data mining, Medication rules.

1. Introduction

Written by Mr. Chen Ziming in the first year of Jiayi (1237) in the Southern Song Dynasty, the essence of obstetrics and gynecology in famous medical classics before the Song Dynasty and many years of clinical experience, is a comprehensive discussion of obstetrics and gynecology physiology, pathology and disease academic work. Discontinuous leakage is a serious disorder of menstrual cycle, menstrual period and menstrual volume. Its onset is sudden and sudden, and a lot of bleeding is called “collapse”. Slow disease, less bleeding, dripping dripping for “leakage”. Although the bleeding situation of avalanche and leakage is different, the two often transform each other in the course of disease, such as the amount of avalanche is decreasing, it may be transformed into leakage, and the development of leakage potential may become avalanche, so it is often called [1] avalanche in clinic. In modern medicine, haemorrhagia is equivalent to Abnormal uterine bleeding (AUB). Studies [2] have shown that patients with abnormal anovulatory uterine bleeding can reach more than 30% of all patients in gynecology, and its incidence also shows an increasing trend year by year. At present, clinical treatment mainly uses sex hormone drugs to stop bleeding and adjust menstruation. Although the therapeutic effect is extremely significant, many studies have shown [3] [5] that oral sex hormone drugs are closely related to the increase of blood lipids and cholesterol levels in the body, and have a greater impact on the blood clotting function of patients, which will increase the risk of venous thrombosis. For example, the incidence of

atherosclerosis, coronary heart disease and myocardial diseases will be significantly increased. In addition, although sex hormones can quickly stop bleeding, but patients are prone to dizziness, nausea, anorexia, vomiting and many other adverse reactions after taking, and because the condition is easy to repeat, patients may also have a great dependence [6] [7] on this drug. In this respect, Chinese medicine highlights the great advantages of small side effects and not easy to relapse, and it has achieved good curative effect in the treatment of disintegrating. For example, the study [8] of Jiang Baifeng found that traditional Chinese medicine can help patients maintain regular vaginal bleeding, can control the amount of irregular vaginal bleeding in a short time, can improve the reproductive ability of patients, the operation of Qi and blood, can effectively regulate the balance of Yin and Yang of patients’ kidneys, and its curative effect is better than western medicine.

Therefore, the purpose of this article is to analyze and summarize the medication rules and academic thoughts of leaky hemorrhage in the Prescription for Women’s Complete Book, in order to provide reference for the clinical treatment and theoretical research of leaky hemorrhage.

2. Materials and Methods

2.1 Data Sources

All the data contained in this paper are from the prescription for treating disintegrating leakage in the “Good Prescription for Women’s Daquan”.

2.2 Data Preprocessing

Based on the standard of names included in the Pharmacopoeia of the People's Republic of China, combined with textbooks and works such as Chinese Pharmacy [10], National Compilation [11] of Chinese Herbs, Dictionary [12] of Chinese Medicine, Manual [13] of Names and Aliases of Commonly Used Chinese Medicines, and Chinese Materia Medica, the name, flavor and normalization of drugs were unified, and the data were sorted out and standardized. Input the software "Traditional Chinese Medicine Inheritance Assistance Platform (V2.5)" and Microsoft Excel to establish a database.

2.3 Data Analysis

The "clinical collection" function of "TCM Inheritance Assistance Platform (V2.5)" was used to input drugs, establish a drug database, and according to its "data analysis" function, the basic characteristics of drugs such as frequency, sex, taste, normalization and efficacy were obtained, and the rules of prescription composition were analyzed to generate the core prescription of drugs, and the rules of prescription composition were analyzed by the "association rules" and "cluster analysis" modules. To excavate the core drugs and prescriptions.

3. Results

3.1 Drug Frequency Analysis

Table 1: Analysis of drug frequency

Serial number	Medication name	Frequency	Frequency	Serial number	Medication name	Frequency	Frequency
1	Angelica	18	35.29%	9	Yuyu grain	7	13.73%
2	Ligusticum chuanxiong	12	23.53%	10	Teasel	7	13.73%
3	Mugwort leaves	11	21.56%	11	cinnamon	6	11.76%
4	Red stonetail	11	21.56%	12	Ginseng	6	11.76%
5	donkeyhide gelatin	10	19.61%	13	Astragalus	6	11.76%
6	White peony root	10	19.61%	14	Tortoise shell	6	11.76%
7	Raw rehmannia	8	15.69%	15	Platycladus orientalis leaf	6	11.76%
8	Dried ginger	8	15.69%	16	Sanguis orba	6	11.76%

Note: Frequency = drug frequency/number of prescriptions x 100%.

There are 51 prescriptions for the treatment of disintegrating leakage in "Good Prescription", involving 94 TCM flavors. There were 16 kinds of prescriptions with frequency ≥ 6 times, and the top 3 were Angelica sinensis, ligusticum Chuanxiong and mugwort leaf, as shown in Table 1.

3.2 Drug Warp Analysis

According to the statistics of the 94 TCM involved, the results showed that the liver channel was the main channel, followed by the spleen channel and the kidney channel. See Table 2 for the specific situation of the traditional Chinese medicine.

Table 2: Analysis of drug channel reduction

Serial number	Channel tropism	Frequency	Frequency	Serial number	Channel tropism	Frequency	Frequency
1	liver	180	98.90%	6	lung	60	32.97%
2	The spleen	109	59.89%	7	large intestine	33	18.13%
3	renal	108	59.34%	8	bravery	24	13.18%
4	heart	99	54.39%	9	Tri-Jiao	6	3.30%
5	The stomach	65	35.71%	10	bladder	4	2.20%

Note: Frequency = Frequency of single drug meridian reduction/total frequency of drug meridian reduction $\times 100\%$.

3.3 Drug Flavor Analysis

The progressive taste analysis of the traditional Chinese medicine in the first 51 prescriptions showed that the use frequency of the four qi and five flavor were ranked from high to low, as shown in Table 3 and 4.

Table 3: Four qi analysis of drugs

Serial number	Four Qi	Frequency	Frequency
1	wen	112	43.41%
2	cold	71	27.52%
3	flat	46	17.83%
4	hot	20	7.76%
5	cool	9	3.49%

Note: Frequency = four-gas frequency of single flavor medicine/total

four-gas frequency of medicine $\times 100\%$.

Table 4: Analysis of five flavors of drugs

Serial number	Five Tastes	Frequency	Frequency
1	gump	135	30.61%
2	simba	106	24.04%
3	bitter	106	24.04%
4	astringent	46	5.67%
5	salty	25	5.23%
6	acid	23	5.22%

Note: Frequency = five-taste frequency of single flavor drug/total five-taste frequency of drug $\times 100\%$.

3.4 Analysis of Drug Efficacy

Table 5: Analysis of drug types

Serial number	Channel tropism	Frequency	Frequency	Serial number	Channel tropism	Frequency	Frequency
1	Blood tonic	43	15.70%	8	Qitonfying drugs	16	5.84%
2	Mediceto coolblood and stop bleeding	23	8.40%	9	Drugs for promoting blood circulation andremovig blood stasis	16	5.84%
3	Astringent styptic	23	8.40%	10	Menstruaing hemostatic	14	5.11%
4	Drugsto warmthe interior	22	8.03%	11	Qi-regulating drugs	12	4.38%
5	Medicine forclearig heatand cooling blood	18	6.57%	12	Yintonifying drugs	10	3.65%
6	Yangtonifying drug	17	6.20%	13	Winddispelling medicine	9	3.29%
7	Astring entand astringent medicine	16	5.84%				

Note: Frequency = drug class frequency/total drug frequency x 100%.

The types of drugs for the treatment of disintegrating leakage in the “Good Prescription” are mainly deficiency tonifying drugs, warming drugs, clearing heat and cooling blood drugs and astringent and astringent drugs, the specific situation is shown in Table 5.

3.5 Drug Combination Analysis

Based on association rules, when the number of support is set to 6 (20% support) and the confidence is set to 0.7, the analysis of “medication pattern” is carried out in the analysis of “prescription combination law”, and the corresponding frequency is arranged in descending order according to the drug combination, and the drug combination with frequency ≥7 times is obtained, as shown in Table 6.

Table 6: Analysis of drug combinations (frequency ≥7 times)

Serial number	Drug combinations	Frequency
1	Chuanxiong, Angelica	10
2	Redstonefat, Angelica	10

3	Mugwort leaf, Angelica sinensis	8
4	Ejiao, Angelica	8
5	Ejiao, Chuanxiong	8
6	Sequent, Angelica	7
7	Mugwort leaves, ejiao	7
8	Mugwort leaf, red stone fat	7
9	Red Shi Zhi, Chuanxiong	7
10	Mugwort leaf, Red stone fat, Angelica	7
11	Ejiao, Chuanxiong, Angelica	7
12	Chishizhi, Chuanxiong, Angelica	7

3.6 Cluster Analysis

The confidence was set at 0.7, and a total of 15 association rules were obtained. The core drug combinations included sequestrum → Angelica sinensis, Chishitai → Angelica sinensis, Artemisia argyi, Angelica sinensis → Chishitai, etc., as shown in Table 7. The “Network display” function in the TCM inheritance computing platform was used to visualize the drug-drug relationship on the network, as shown in Figure 1.

Table 7: Drug combination association rules

Serial number	Association rules	Confidence	Serial number	Association rule	Confidence
1	Intermittent -> Angelica sinensis	1.00	9	Mugwort leaf -> Angelica sinensis	0.70
2	Chishizhi -> Angelica sinensis	0.90	10	Ejiao -> Mugwort leaf	0.67
3	Mugwort leaf, Angelica sinensis -> Red Stone fat	0.86	11	Red Shi Zhi, Angelica sinensis -> Artemisia argyi	0.67
4	Ejiao, Angelica --> Chuanxiong	0.86	12	Chuanxiong, Angelica -> Ejiao	0.67
5	Ejiao, Chuanxiong ->Angelica	0.86	13	Ejiao -> Chuanxiong, Angelica	0.67
6	Ejiao -> Angelica	0.78	14	Chuanxiong, Angelica -> Chishizhi	0.67
7	Ejiao -> Chuanxiong	0.78	15	Chishizhi, Angelica --> Chuanxiong	0.67
8	Chuanxiong -> Angelica	0.75			

3.7 Core Combinations and Candidate Prescriptions

Set correlation degree to 8 and punishment degree to 2, and use the “new prescription analysis” function of the TCM inheritance auxiliary platform to get the core combination and candidate prescription. See Table 8 and Table 9 respectively.

Table 8: Core mix

Serial number	Core combo Parasite
1	Thistle - Fulong liver - Mulberry parasite
2	Paeony - raw Rehmannia - aconite
3	Chuanxiong - Angelica - ginseng
4	Small thistle - Raw Rehmannia - white art
5	Paeony - Astragalus - ginseng
6	Ejiao - Angelica - Intermittent - Red stone fat - wormwood leaf

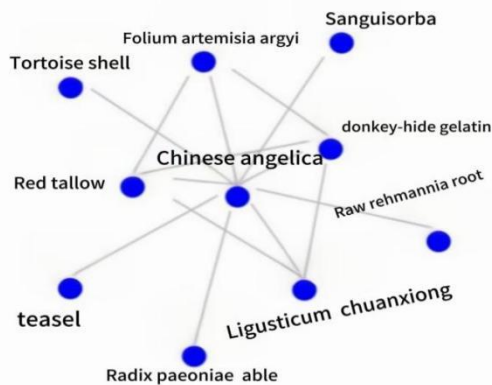


Figure 1: Drug relationship network diagram based on association rules

Table 9: Candidate Prescription

Serial number	Candidate prescription
1	Thistle - Fulong liver - Mulberry parasite - Rehmannia - white art
2	Paeony - Raw Rehmannia - Aconite - Astragalus - Ginseng
3	Chuanxiong - Angelica - Ginseng - Ejiao - Interrupted - Red stone fat - wormwood leaf

4. Discussion

The clinical manifestations of schizoclastism are mainly menstrual cycle disorder, menstrual duration is different, the amount of bleeding is uncertain, and severe cases can cause massive bleeding and shock, which is one [15] of the common and difficult diseases in gynecology clinic, equivalent to Abnormal uterine bleeding (AUB) in western medicine. With [16] [18] pressure, the incidence of this disease shows an increasing trend year by year, and the age of onset is also gradually expanding, which seriously affects women's health and quality of life. At present, clinical more and more attention to the treatment of the disease, modern medicine is the use of hormones and surgery treatment, its side effects are great, the recurrence rate is high. However, with the vigorous development of traditional Chinese medicine, traditional Chinese medicine has shown great advantages in the treatment of disintegrating leakage and its late care. Based on the analysis of the drugs for the treatment of disintegrating leakage in the "Prescription for Women's Complete Book", this paper summarized the frequency of drug use, menstrual normalization, character and taste, efficacy, formula formation rule, clustering, core combination and candidate prescription, and summarized their academic ideas.

4.1 Drug Use Rule

A total of 51 prescriptions and 94 flavors of Chinese medicine were collected from the "Women's Complete Prescription", and 16 flavors of Chinese medicine were found to be used more frequently (frequency ≥ 6 times): Angelica sinensis, Chuangxiong, Mugwormwood leaves, chishitai, Paeony, ejiao, raw rehmannia, dried ginger, Yuyuliang, sequestra, cinnamon, ginseng, Astragalus, tortoisestortoise shell, Pleurocypress leaves and sanguinis. The four flavors of these 16 flavors were warm, cold, and ping; The five flavors are more common as Gan, xin and bitter; The main channel is liver, followed by spleen and kidney; The main effect is tonifying deficiency, hemostasis, warming Li, astringent solid astringent medicine; Among the drug combinations (frequency ≥ 6 times), there are 13 pairs of Chuanxiong, Angelica, Chishishi, Angelica, Artemisia argyi, Angelica; Through the establishment of drug relationship network graph of the core combination, 6 pairs of new drugs were obtained: Xiaoxi-Fulonglivermulberry parasitics, Paeonia-Radix Rehmanniae -aconite, ChuanxiumRadix Angelica -ginseng, Xiaoxi-Radix Rehmanniae -Radix Baizhu, Radix Paeoniae -Radix Astragalus -ginseng, ejiao -Radix Angelica -Sequestum -Chishishizi -Artemisia argyi; The core new prescription of XiaoxiFulonggan - Mulberry parasitics -Shengrehmanni -Baizhu, PaeoniaShengrehmanni-Fuzi - Huangqi - ginseng, Chuanxiong - Angelica - ginseng - Jiao - Chishishizhi - Artemisia argyi, a total of 3 groups. The "Good prescription" in the treatment of "disintegrating leakage" blood tonic drugshave angelica, ejiao, Paeoniae and other medicinal

materials. Among them, Angelica is the first drug frequency, appearing 18 times, accounting for 33.33% of the total frequency of drugs used in the treatment of "disintegration and leakage", and is the first essential drug for the treatment of "Good Recipe". Mr. Chen Ziming in the "good recipe" especially emphasized "women regulate their blood", because women take blood as the base, blood for use, menstrual, belt, fetal birth, milk physiological activities are closely related to blood, and angelica belongs to the liver, spleen, heart channel, liver blood storage, spleen blood, heart blood, which has the effect of replenishing blood and promoting blood. For example, Jinhua powder, Tuckahoe powder, Qianjin "warm Jing Tang" and so on contained in the prescription for the treatment of disintegrating leakage are ancient gynecological prescriptions, which have Angelica, it can be seen that Angelica is an indispensable medicine in the treatment of disintegrating leakage. The total use frequency of tonifying qi in tonifying deficiency medicine is 16 times. The total use frequency of ginseng was 6 times, and the total use frequency was 11.76%; The total frequency of astragalus in the frequency of drugs was 6 times, the total frequency of use was 11.76%. Modern [19] one of the most important active ingredients in ginseng, can act on anemia patients, so that the content of red blood cells in their blood can be significantly increased, so as to achieve the purpose of alleviating anemia; Astragalus can achieve the function of "blood production" by promoting the secretion of hematopoietic growth [20] factor and accelerating the generation of hematopoietic cells. Qi is the handsome of blood, Qi can produce blood, supplementing qi is also supplementing blood, so ginseng and Astragalus are combined to produce blood through anger, in order to achieve the purpose of treating collapse.

In the "Women's Complete Prescription", the Wenli medicine for the treatment of "disintegration and leakage" was used 22 times, with a total frequency of 8.03%, including dried ginger, cinnamon and other medicinal materials, whose efficacy is mainly warming li to dissipate cold. Mr. Chen Zhiming believes that long-term hemorrhage will lead to blood qi loss, because blood is the mother of Qi, qi with blood consumption, heat with blood diarrhea, resulting in spleen and kidney deficiency cold, so the use of warm heat medicine to warm the meridians, harmonizing Yin and Yang, so that the evil is removed and correct, warm tonifying the spleen and kidney, Chong Ren smooth, so that the bleeding blood can have a chance to return. Mr. Chen Ziming also believed that Yang beat Yin, heat damage to the cell palace is also an important cause of leakage, so the use of heat-clearing and bloodcooling drugs can remove heat evil, heat to remove blood safety, blood reset, blood to stop collapse. If the place is fresh, it can clear heat, cool blood and replenish blood. Mr. Chen Ziming also believes that the treatment of disintegrating leakage should add astringent drugs, such as red stone fat, Yu Yu Liang and other drugs. Chishizhi and Yuyuliang are heavy and astringent in taste, both of which have astringency and hemostasis. They are often compatible with each other to treat the collapse and leakage. In addition, Mr. Chen Ziming believes that activating blood stasis and wind-dispelling drugs are also the most important drugs for the treatment of collapse. For example, Chuanxiong appears 12 times in the drug frequency, accounting for 23.53% of the total use frequency of "collapse" drugs, and is the second important drug for the treatment of collapse. Chuanxiong can go up the head, down

the blood sea, and can disperse the wind of the liver channel, applied in the treatment of collapse, is to take its role in dispelling wind and promoting blood, so that the blood returns to the blood sea, Chong Ren patency. *Artemisia argyi* occupies the third place in the frequency of drugs, returning to the liver, kidney and spleen channels, with the effect of dispelling cold and relieving pain, warming channels and stopping bleeding. Modern pharmacological studies have shown [21] that extracts from mugwort leaf can promote blood coagulation by activating FXII to participate in endogenous coagulation reaction. In addition, by regulating plasminogen, FXII can inhibit the downstream substrate of endogenous coagulation from participating in the process of blood circulation, so as to achieve the effect of blood circulation and hemostasis.

4.2 Academic Features

The “Good Prescription” study showed that the drugs for the treatment of disintegrating leakage mostly belong to the liver, spleen and kidney, which believed that the occurrence of women’s blood collapse was mostly caused by the problems of the three viscera of the liver, spleen and kidney, or a single side, or two viscera at the same time, or one viscera affected the other viscera, resulting in the loss of blood sea in solid and damage to the main. Next, I will briefly summarize the relationship between the three viscera and disintegrating leakage discussed by Mr. Chen Ziming.

4.2.1 The relationship between liver and leakage

Mr. Chen Ziming believes that the liver has a great relationship with the production and circulation of Qi and blood and the regulation of blood volume. The liver qi is unobstructed, the qi and blood are sufficient, and the menstrual cycle can be orderly and not turbulent. Because of “liver body Yin and Yang”, blood storage and main drainage, on the one hand, liver blood storage, regulate the distribution of blood volume, Chong pulse for the sea of blood, both can be the main division of blood, so that the blood placed in the uterine formation of menstruation; On the other hand, the liver is just dirty, and because the liver is the main dredging, regulating the Qi machine, gathering blood, running to Chong pulse, to regulate the operation of the twelve channels of Qi and blood, so as to ensure that the menstrual generation and dredging is relatively constant. It can also be due to the loss of liver drainage, and then the function of the spleen governing the blood decline, blood loss in solid, the formation of disintegrating leakage. Mr. Chen Zhiming in the treatment of hemorrhaging, the most frequent application of liver channel drugs, because it can effectively regulate the blood volume, regulate chong Ren, make the blood sea full, to ensure that the blood on time, orderly and appropriate flow to the uterus, in order to maintain the regularity of women’s menstrual cycle, therefore, do not forget to regulate the liver in the treatment of hemorrhaging. Such as *Paeony* and *Angelica sinensis*. Which *paeony* slightly cold, bitter sour taste, into the liver channel, with the effect of astringent body fluid and protecting blood; And *angelica* taste sweet, xin, warm, also mainly acts on the liver channel, and blood replenishing blood; The combination of the two, not only increase the work of nourishing blood and promoting blood, but also can achieve the purpose of removing evil without damaging right.

4.2.2 The relationship between spleen and disintegrating leakage

Mr. Chen Ziming believes that “women are blood-oriented”, which can also be understood as “women are spleen oriented”, because the spleen is the master of transportation, and the essence of water and grain depend on the function of the spleen, and the blood is mainly generated by the essence of water and grain. Therefore, whether it is the gate of regulating menstruation, the gate of begging for an issue, the gate of pregnancy and the gate of postpartum, Mr. Chen emphasizes the importance of regulating the spleen, and because the spleen governs the blood, it has the right to control the blood. If the temper is insufficient, the qi is not solid, and the blood spills outside the pulse, then the formation of disintegrating leakage; If the temper is full, the spleen controls the blood function normally, and the blood is in the vein, then the blood collapse will not occur. And it is also believed that excessive thinking will also damage the temper, which will lead to the occurrence of bleeding. In addition, if the liver qi stagnation, coupled with the spleen deficiency for a long time, the spleen Yang decay, resulting in the liver wood to seize the spleen, the spleen is not solid, will also lead to collapse and leakage, so, strengthening the spleen is also an inrush point to treat collapse. Such as *ginseng*, *astragalus*, in the follow-up excavation of new drugs and new prescription, also appeared many times, because it also believes that supplementing Qi is also supplementing blood, sufficient qi, blood also belongs to the sea of blood.

4.2.3 Relationship between kidney and leaky blood

Mr. Chen Ziming also believes that “kidney is the congenital root”, the kidney master is the essence, the seal is the root, the kidney qi is sufficient, the seal function is normal, menstruation will not disintegrated-leakage phenomenon; And because the Chong Ren two veins are also the master of the kidney, and its prosperity depends on the filling of the kidney essence, it is necessary to consider the problem of kidney deficiency in the treatment of diabetes mellitus. Therefore, you can supplement qi and solid chong at the same time, with tonifying the kidney, can achieve the effect of tonifying Chongren. Mr. Often choose *ejiao*, intermittent, cuttlebone, tortoise shell and other flesh and blood products, precipitate the source, tonify the liver and kidney, solid astringent Chongren. This kind of medicine tastes salty to enter the kidney, nourishing Yin is not greasy, astringent can be solid, accompanied by Yin and Yang, then the blood stops collapsing.

Mr. Chen Ziming in the process of prescription medication, often with a small amount of wine, is because it [22] is the water valley of the gas, the taste of Xin, Gan, the sex of the heat, the smell of alcohol, into the heart and liver two channels, can rise energy powder, should be introduced to the potential of medicine, and has the circulation of blood, dispel wind and cold, enhance the efficacy of traditional Chinese medicine, reduce adverse reactions. “Compendium of Materia Medica” carries its “drug potential, Tongblood” and “removing the wind under the gas”. According to the author’s statistics, 31 of the 51 prescriptions used the method of decocting wine or sending wine to take, accounting for 60.78% of the total, such as “wine dipping”, “hot wine mixing” and “safflower wine”.

Modern medicine also believes [23] that: wine can dilate blood vessels, increase cerebral blood flow, stimulate the central nervous system, blood circulation system, digestive system and so on. Therefore, wine, as an auxiliary dosage form, has been widely used in “leaky” prescriptions.

5. Conclusion

All in all, in clinical diagnosis and treatment, the primary cause is clear, follow the “urgent symptoms, slow treatment” concept, pay attention to syndrome differentiation and treatment, distinguish the primary and secondary, flexible diagnosis and treatment. Regulating the liver, strengthening the spleen and tonifying the kidney is an important starting point in the treatment of leaky hemorrhage, which has a significant effect on the diagnosis and treatment of the disease. Compared with Western medicine therapy, Chinese medicine therapy can treat both symptoms and root causes, and its side effects are small, the recurrence rate is low, improve the curative effect, worthy of clinical further promotion.

Fund Project

(1) Construction Project of Inheritance Studio of Liu Maolin, the national famous old Chinese medicine expert (Chinese Medicine Education Letter [2018] No.134);

(2) Construction Project of Regional Diagnosis and Treatment Center of Gynecology of Traditional Chinese Medicine in shaanxi Province (Shaanxi Medicine Letter [2018] No.268);

(3) Construction Project of Inheritance Work of Huo Liu’s School of Gynecology in Yulin City (Shaanxi Medicine Letter [2018] No.337);

(4) Yulin City “Young Talent Lifting Program” project (20220473);

(5) Yulin City famous Chinese medicine Liu Xiaomao studio (Yuzheng Health Fa [2024] No. 157).

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