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Evidence-Based Medicine Research on *Shanghan Zabing Lun* Prescriptions in the Treatment of Endometriosis

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Abstract

Objective: Adopting the methods of Evidence-based Medicine research to acquire the dominant prescriptions of Shanghan Zabing Lun in the treatment of Endometriosis, meanwhile to fully dig the value of classical prescriptions. Method: Firstly, we searched and collected the literatures from last three decades in CNKI, Wanfang and VIP databases, which are about classical prescriptions treating endometriosis. Then, by screening all the literatures, we obtained the clinical research literatures and individual case reports. Finally, we went through the internal quality of the two categories of literatures to get the dominant prescriptions. Results: 22 Shanghan Zabing Lun prescriptions have been used in the treatment of endometriosis. According to the clinical research and case literatures, Guizhi Fuling Wan is the prime prescription to treat endometriosis with high quality and high frequency. Conclusions: Through evidence-based medical research and evaluation of evidence, it can be seen that treatment of endometriosis presents a certain tendency that Guizhi Fuling Wan, Wenjing Decoction and Dahuang Zhechong Wan have good clinical effect treating endometriosis and their syndromes are well matched with the symptoms of endometriosis in the present clinical environment.

Keywords

Shanghan Zabing Lun, Endometriosis, Evidence-Based Medicine, Guizhi Fuling Wan

1. Introduction

Endometriosis is one of the most common gynecological diseases, affecting many women's lives and many women were troubled by it [1]. Understanding the causes is essential to treat endometriosis. One of the reasons for endometriosis is congenital re-

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productive organs dysplasia, including uterus atresia, transverse vaginal septum, atresia hymenalis and malposition of the uterus. Also, this can be acquired from abortions, uterus or vaginal surgeries, vaginal drug use, which can result in adhesions of cervix, vagina and introitus. Because of the above pathological states, menstrual blood cannot be eliminated from the body, leading to menstrual blood refluxing into the pelvic cavity.

The treatments in western medicine commonly apply minimally invasive surgeries or medication, while Chinese medicine has good curative effect for endometriosis except caused by congenital reproductive organs dysplasia. By applying evidence-based medicine retrospective study from 1979 to 2013, the following formulas have good curative effect for the disease. Endometriosis belongs to the range of dysmenorrhea, infertility, menstrual disorders and abdominal mass in Traditional Chinese Medicine, which are more often the results of the imbalance between the Chong and Ren Meridians, qi and blood stasis, long-term menstrual abnormalities caused by emotion damage, diet disorders, and unhealthy daily habits.

2. Prescription Table

In Shanghan Zabing Lun (Treatise on Febrile and Miscellaneous Diseases), a total of 22 prescriptions are able to treat endometriosis, 13 of which have been gone through clinical studies and 16 of which have been reported in cases experience. Research shows that as of 2013, there have been 84 clinical research literatures and 52 clinical cases literatures published. Among clinical researches, 39 of them are randomized controlled trials, 5 of them are half randomized controlled trials, 11 of them are controlled trials and 29 of them are cases series observations. Clinical cases literatures report 54 cases in total. The prescriptions with high frequency are shown in **Table 1** and **Table 2**, demonstrating Guizhi Fuling Wan, Dahuang Zhechong Wan, Didang Decoction, Wenjing Decoction and Xiayuxue Decoction are more applied in cinical research literature and Guizhi Fuling Wan, Wenjing Decoction, Sini Powder and Danggui Shaoyao Powder are more applied in clinical cases.

3. Prescriptions and Quality Level in Clinical Research Literatures

Evidence-based medicine commonly refer to GRADE standard to evaluate quality of literatures, whereas Evidence-based medicine research in Traditional Chinese Medicine cannot ponderously apply the exact same items. Consequently, the following quality

Table 1. Frequent prescriptions in clinical research literature.

Prescription	Frequency
Guizhi Fuling Wan	60
Dahuang Zhechong Wan	6
Didang Decoction	4
Wenjing Decoction	3
Xiayuxue Decoction	3
	Guizhi Fuling Wan Dahuang Zhechong Wan Didang Decoction Wenjing Decoction

Table 2. Frequent prescriptions in clinical cases literature.

Serial Number	Prescription	Frequency
1	Guizhi Fuling Wan	22
2	Wenjing Decoction	5
3	Sini Powder	5
4	Danggui Shaoyao Powder	4

level identification is based on a modified GRADE standard that was discussed and recognized by several rounds of professionals, adding four items of the standard which are: addition or subtraction of prescriptions, the original does and composition of the prescription, using *Shanghan Zabing Lun* prescriptions only and whether researches and cases are from before the year of 1979. The rest of items are the same as in GRADE standard [2]. Detailed information is shown in **Table 3**.

3.1. Guizhi Fuling Wan

59 papers are included in total, 28 of which are randomized controlled trials, 5 are half randomized controlled trials, 8 are controlled trials, and 18 cases series observations. All the documents were published between 1992-2013.

Quality grade evaluation of evidence is shown in **Table 4**. It shows that there are 14 pieces of high (H) quality evidence, 17 of medium (M) quality, 12 of low (L) quality, 16 of very low (VL) quality. Evidence quality level degrading factors mainly are the research limitations ①, addition or subtraction of prescriptions ②, low accuracy ③ and indirect evidence ④. Evidence quality level upgrading factors mainly are using the original prescription of *Shanghan Zabing Lun* ⑤, or only using traditional Chinese medicinal intervention ⑥.

3.2. Dahuang Zhechong Wan

6 papers are included in total, 2 of which are randomized controlled trials, 1 is controlled trials, and 3 cases series observations. All the documents were published between 1998-2001. Quality grade evaluation of evidence is shown in **Table 5**. It shows that

Table 3. Deciding factors in quality level.

Influence of Orientation	Specific Factors		
	Research Limitation		
	Inconsistent Results		
Degrading Factors	Indirect Evidence		
	Low Accuracy		
	Publication Bias		
	Addition or Subtraction of Prescriptions		
	Original Does & Composition of the Prescription		
	Using Shanghan Zabing Lun Prescriptions Only		
Upgrading Factors	Researches and Cases from Before Year of 1979		
	High Effective Value		
	Miscellaneous factors Reducing Clinical Effect		
	Does-Effect Relationship		

there are 1 piece of high (H) quality evidence, 3 of medium (M) quality, 2 of low (L) quality, 16 of very low (VL) quality. Evidence quality level degrading factors mainly are the research limitations 1 and low accuracy 3. Evidence quality level upgrading factors mainly are using the original prescription of *Shanghan Zabing Lun* 5, or only using traditional Chinese medicinal intervention 6.

3.3. Didang Decoction

4 papers are included in total, 2 of which are randomized controlled trials and 2 cases series observations. All the documents were published between 2003-2012. Quality

Table 4. Quality level in clinical research literatures of Guizhi Fuling Wan.

Research	Pulish Year	Туре	Factors	Level
Yang Hong [3]	2013	RCT	⑤ (+1)	Н
Gu Ziyang [4]	2012	RCT	① (-1) ⑥ (+1)	Н
Xu Jie-Huo Xiangyun [5]-[16]	2007-2013	RCT-CR	① (0, -1, -2) ⑤ (+1) ⑥ (+1)	Н
Wang Liying [17]	2013	RCT	① (-2) ⑤ (+1)	M
Sun Hui [18]	2012	CT	① (-2) ⑤ (+1)	M
Zhang Cuirong [19]	2011	CR	⑤ (+1)	M
Wang Chong-Zheng Xiujuan [20]-[33]	1995-2013	RCT-CR	① (0, -1, -2) ③ (-1) ⑤ (+1) ⑥ (+1)	M
Huang Xunfang [34]	2013	RCT	① (-2) ③ (-1) ⑤ (+1)	L
Yang Yaqin [35]	2013	СТ	① (-2)③ (-1)⑤ (+1)	L
Zhang Lifan [36]	2004	CCT	① (-1) ③ (-1) ② (-1) ⑥ $(+1)$	L
Wang Ye-Zhong Ruifang [37]-[45]	2000-2011	RCT, CR	① (0, -1, -2) ③ (0, -1) ② (-1) ⑤ (+1)	L
Li Yili [46]	2013	RCT	① (-1) ④ (-1) ③ (-1) ② (-1) ⑤ $(+1)$	VL
Li Aifang [47]	2012	CT	① (-2)② (-1)	VL
Hu Fang-Gao Huiming [48]-[61]	1992-2012	RCT, CR	① $(0,-1,-2)$ ③ $(0,-1)$ ② (-1) ⑥ $(0,+1)$	VL

Table 5. Quality level in clinical research literatures of Dahuang Zhechong Wan.

Research	Pulish Year	Туре	Factors	Level
Li Mingzhou [62]	2007	RCT	① (-2) ⑤ (+1) ⑥ (+1)	Н
Wei Lijun [63]	1998	CR	① (-1) ⑤ (+1) ⑥ (+1)	M
Jin Tianfu [64]	2005	CR	(5) (+1)	M
Liu XiuFeng [65]	2004	CT	① (-2) ③ (-1) ⑤ (+1) ⑥ (+1)	M
Fan Dongxian [66]	2004	CR	① (-1) ⑤ (+1)	L
Ji Zhaofang [67]	2011	RCT	① (-2)③ (-1)⑤ (+1)	L

grade evaluation of evidence is shown in **Table 6**. It shows that there are 3 of low (L) quality, 1 of very low (VL) quality. Evidence quality level degrading factors mainly are the research limitations ① and addition or subtraction of prescriptions ②. Evidence quality level upgrading factors mainly is using traditional Chinese medicinal intervention ⑥.

3.4. Wenjing Decoction

3 papers are included in total, 2 of which are randomized controlled trials and 1 is controlled trials. All the documents were published between 1998-2012. Quality grade evaluation of evidence is shown in **Table 7**. It shows that there are 1 piece of high (H) quality evidence, 2 of medium (M) quality. Evidence quality level degrading factors mainly is the research limitations ①. Evidence quality level upgrading factors mainly are using the original prescription of *Shanghan Zabing Lun* ⑤, or only using traditional Chinese medicinal intervention ⑥.

3.5. Xiayuxue Decoction

3 papers are included in total, 1 of which is randomized controlled trial, 1 is controlled trial, and 1 cases series observation. All the document were published between 2001-2012. Quality grade evaluation of evidence is shown in **Table 8**. It shows that there are 1 piece of medium (M) quality evidence, 2 of very low (VL) quality. Evidence quality level degrading factors mainly are the research limitations ①, addition or subtraction of prescriptions ② and does-effect relationship ⑦. Evidence quality level upgrading factors mainly is only using traditional Chinese medicinal intervention ⑥.

3.6. Prescriptions with Low Frequency

Another eight prescriptions, all have only 1 evidence support, respectively, Sini Powder, Sini Decoction, Danggui Sini plus Wuzhuyu Shengjiang Decoction, Shenqi Wan,

Table 6. Quality level in clinical research literatures of Didang decoction.

Research	Pulish Year	Type	Factors	Level
Wang Zhen [68]	2009	CR	② (-1) ⑥ (+1)	L
Duan Qingzhen [69]	2012	RCT	① (-2)② (-1)⑥ (+1)	L
Zeng Jibao [70]	2008	RCT	① (-2) ② (-1) ⑥ (+1)	L
Wu Xuehua [71]	2003	CR	① (-1)② (-1)⑥ (+1)	VL

Table 7. Quality level in clinical research literatures of Wenjing decoction.

Research	Publish Year	Туре	Factors	Level
Zhang Yongluo [72]	1998	CT	① (-2) ⑤ (+1) ⑥ (+1)	Н
Zhen Haiping [73]	2012	RCT	① (-2) ⑥ (+1)	M
Chen Jianxin [74]	2003	RCT	① (-2) ⑤ (+1)	M

Table 8. Quality level in clinical research literatures of Xiayuxue decoction.

Research	Publish Year	Туре	Factors	Level
Li Aifang [75]	2012	CT	① (-2) ② (-1) ⑦ (+1) ⑥ (+1)	M
Zhu Zhenhua [76]	2001	CR	① (-1) ② (-1) ⑥ (+1)	VL
Hou Zhixia [77]	2010	RCT	① (-2) ② (-1) ⑥ (+1)	VL

Huangqi Guizhi Wuwu Tang, Taohe Chenqi Decoction, Danggui Shaoyao Powder, Biejiajian Wan. Quality grade evaluation of evidence is shown in **Table 9**. It shows that there are 1 piece of high (H) quality evidence, 1 of low (L) quality, 6 of very low (VL) quality. Evidence quality level degrading factors mainly are the research limitations ①, addition or subtraction of prescriptions ②, low accuracy ③. Evidence level upgrading factors mainly are using the original prescription of *Shanghan Zabing Lun* ⑤, or only using traditional Chinese medicinal intervention ⑥.

4. Clinical Cases Literature

54 cases are included in total mainly using Guizhi Fuling Wan, Wenjing Decoction, Sini Powder, Danggui Shaoyao Powder and Danggui Shaoyao Powder. All the documents were published between 1984-2013. Quality grade evaluation of evidence of high frequent prescriptions is shown in **Table 10**. It shows that cases quality level is mainly medium (M) and low (L).

5. Typical Clinical Evidence

There are 83 clinical research literatures in total using prescriptions of *Shanghan Zabing Lun* treating endometriosis, 17 of which are of high quality, 23 of medium quality, 18 of low quality and 25 of very low quality. High and medium quality evidence mainly comes from Guizhi Fuling Wan related literatures.

Table 9. Quality level in clinical research literatures of low frequent prescriptions.

Research	Prescription	Publish Year	Type	Factors	Level
Zhu Mei [78]	Danggui Sini plus Wuzhuyu Shengjiang Decoction	2012	RCT	① (-2) ⑤ (+1) ⑥ (+1)	Н
Li Guoxin [79]	Biejiajian Wan	1997	CR	① (-1)② (-1)⑤ (+1)⑥ (+1)	L
Xue Yufang [80]	Shenqi Wan	2006	RCT	① (-2) ③ (-1) ② (-1)	VL
Liang Qiuxia [81]	Huangqi Guizhi Wuwu Tang	2002	RCT	$ \textcircled{1} \ (-2) \ \textcircled{3} \ (-1) \ \textcircled{2} \ (-1) \ \textcircled{6} \ (+1) $	VL
Huang Xirong [82]	Taohe Chenqi Decoction	2007	CR	① (-1)② (-1)⑥ (+1)	VL
Zheng Meihua [83]	Danggui Shaoyao Powder	2001	CR	① (-1)② (-1)⑥ (+1)	VL
Wang Shasha [84]	Sini Decoction	2012	RCT	① (-2) ③ (-1) ② (-1) ⑥ (+1)	VL
Cheng Huilian [85]	Sini Powder	2009	CT	① (-2) ③ (-1) ② (-1) ⑥ (+1)	VL

Table 10. Quality level in clinical cases literature.

Prescription	Publish Year	Quantity	Average Quality Score	Level
Guizhi Fuling Wan	1984-2013	22	33.65	M
Wenjing Decoction	1985-2011	5	38.94	M
Sini Powder	1995-2012	5	44.38	M
Danggui Shaoyao Powder	1995-2003	4	26.61	L

5.1. Guizhi Fuling Wan

Guizhi Fuling Wan capsule combined with Mifepristone contrasting mere Mifepristone in the treatment of endometriosis has advantages in clinical total effective rate (high quality evidence).

Pan Xiurong's [6] implementation of a clinical randomized controlled trial, with the sample size of 85 cases: Experimental group 44 cases, control group 41 cases. Control group patients start taking mifepristone (Beijing zizhu pharmaceutical co., LTD., production) on the first day of menstruation, 12.5 mg each time, 1 time/d, lasting for six months. Patients in the experimental group, besides the treatment as control group provides, take Guizhi Fuling Wan capsule (Jiangsu kang pharmaceutical co., LTD.) every time 3 grains (0.93 g), 3 times/d, lasting for six months. Comparing the two groups, the clinical total effective relative risk (RR) of 1.23, 95% CI (1.02, 1.02), P = 0.03, with statistical significance. The curative effect standards: Recovery: Symptoms disappear, pelvic mass or some local symptoms basically disappear. Effective: Symptoms, pelvic mass is not increasing or slightly shrinks. Invalid: Main symptoms are not improving or even getting worse, local lesion is exacerbating. Recurrence: After surgery and drug treatment, or after lesions and symptoms shrinking or disappearing, clinical symptoms restore again to the level before treatment or aggravate.

5.2. Dahuang Zhechong Wan

Dahuang Zhechong Wan combined with Gestrinone contrasting mere Gestrinone in the treatment of endometriosis has advantages in clinical total effective rate (high quality evidence).

Li Mingzhou *et al.*'s [62] implementation of a clinical randomized controlled trial, with a sample size of 120 cases, experimental group of 60 and control group of 60: Patients take Dahuang Zhechong Wan (Z4202077, produced by Wuhan Zhonglian Pharmaceutical Company), 3 g, 2 times/d after meals, stop taking in menstruation, Gestrinone 25 mg once daily, after meals. The control group merely takes Gestrinone 25 mg once daily, after meals. Comparing the two groups, the clinical total effective relative risk (RR) of 1.11, 95% CI (1.01, 1.01), P = 0.03, with statistical significance. The curative effect standards: Recovery: Symptoms disappear, local signs disappeared basically. Prominently effective: Symptoms disappeared basically, mass shrinks more than 1/2 of its size. Effective: Symptoms or physical signs stay in previous condition after treatment (not turning better or worse).

5.3. Wenjing Decoction

WenJing Decoction contrasting Medroxyprogesterone Acetate in the treatment of endometriosis has advantages in clinical total effective rate (high quality evidence).

Zhang Yongluo et al.'s [72] implementation of a controlled clinical trial, with a sample size of 95 cases, experimental group of 45 and control group of 40: Experimental patients take WenJing Decoction. Composition: Wuzhuyu (Fructus Evodiae) 6 g, Danggui (Radix Angelicae Sinensis) 20 g, Chishao (Radix Paeoniae Rubra) 15 g, Dangshen (Radix Codonopsis) 12 g, Guizhi (Ramulus Cinnamomi) 10 g, Ejiao (Colla Corii Asini) 10 g, Danpi (Cortex Moutan) 10 g, Shengjiang (Rhizoma Zingiberis Recens) 6 g, Gancao (Radix Glycyrrhizae) 6 g, Qingbanxia (Rhizoma Pinelliae) 6 g, Maidong (Radix Ophiopogonis) 6 g, be decocted in water, once/d. 3 months for 1 course of treatment. Patients in control group take Medroxyprogesterone Acetate, from the menstrual cycle day 6th-day 25th, 4 mg each time, 1 time/d, keeping three cycles. Comparing the two groups, the clinical total effective relative risk (RR) of 1.35, 95% CI (1.03, 1.03), P = 0.03, with statistical significance. Curative effect standards: Recovery: Symptoms (blood stasis) disappear, pelvic mass or local signs disappear basically, infertility is pregnant in a year. Prominently effective: Symptoms (blood stasis) largely disappear, pelvic mass shrinks (ultrasound contrast in menstrual cycle period before and after the treatment), local signs still exist, but the infertility becomes pregnant within 3 years. Effective: Effectively relieve symptoms, pelvic mass remain unchanged (ultrasound contrast in menstrual cycle period before and after the treatment), conditions do not worsen after 3 months' drug withdrawal. Invalid: Main symptoms do not change or deteriorate, pelvic mass remain unchanged after treatment.

5.4. Other Prescriptions

Danggui Sini plus Wuzhuyu Shengjiang Decoction contrasting Duyiwei Capsule in the treatment of endometriosis has advantages in relieving dysmenorrhea (high quality evidence).

Zhu Mei's [78] implementation of a clinical randomized controlled trial, with a sample size of 62, experimental group of 32 and control group of 30: Experimental group patients take Danggui Sini plus Wuzhuyu Shengjiang Decoction: Danggui (Radix Angelicae Sinensis) 15 g, Shaoyao (Radix Paeoniae Alba) 15 g, Zhigancao (Radix Glycyrrhizae) 10 g, Tongcao (Tetrapanax Papyriferus) 10 g, Guizhi (Ramulus Cinnamomi) 10 g, Xixin (Herba Asari) 6 g, Shengjiang (Rhizoma Zingiberis Recens) 10 g, Wuzhuyu (Fructus Evodiae) 6 g, Dazao (Fructus Jujubae) 5, Yellow rice wine 20 ml, decocte 1000 ml water for 300 - 400 ml, take the decoction warmly by 2 times in the morning and evening. Control group: take Duyiwei capsule (Gansu Duyiwei Biological Pharmaceutical co., LTD., 210970053, each grain of 0.3 g), 3 capsules per time and 3 times/d. Two groups of comparisons, dysmenorrhea efficacy relative risk (RR) of 1.28, 95% CI (1.01, 1.01), P = 0.04, with statistical significance. Curative effect standards: Index: (points before treatment subtracts points after treatment)/points after treatment mutiplies by 100%. Recovery: Dysmenorrhea symptoms disappear after treatment, integral value de-

creases 95% or more. Prominently effective: 95% > integral value > 70%. Effective: 70% > integral value > 30%. Invalid: integral decreases < 30% after treatment.

6. The Analysis of Dominant Prescriptions Treating Endometriosis

Endometriosis is a common disease in urogenital system, nowadays, its incidence has been increasing due to rising multipled-pressure in modern society and changed of people eating habits and etc. Based on the principle of TCM syndrome differentiation and treatment, the disease attributes to different disease syndrome. The study found that a total of 25 prescriptions in Shanghan Zabing Lun (Treatise on Febrile and Miscellaneous Diseases) were applied to treat Endometriosis, which is defined as different prescriptions treating same disease. According to the literatures and based on evidencebased medicine study, conclusions are: Guizhi Fuling Wan related papers are a total of 59, including 3648 subjects. Dahuang Zhechong Wan related papers are a total of 6, including 434 subjects. Didang Decoction related is a total of 4 articles, including 287 cases. Wenjing Decoction related is a total of 3 documents, including 201 subjects. Xiayuxue Decoction related is a total of 3 documents, including 191 subjects. Other each prescription related number of literature is one, occupying small percentage. High quality and medium quality clinical evidence are mainly concentrated on Guizhi Fuling Wan. It can be seen that although there are reports of multiple prescriptions treating endometriosis, the high frequency or high quality of evidence literature tend to be aggregating.

6.1. Guizhi Fuling Wan

Guizhi Fuling Wan composed by Guizhi (Ramulus Cinnamomi), Fuling (Poria), Danpi (Cortex Moutan), Taoren (Semen Persicae), Baishao (Radix Paeoniae Alba), is from *Jinkui Yaolue* (*Synopsis of Golden Chamber*), in woman pregnant disease chapter, treating woman with mass or stasis in the abdomen. Symptoms are abnormal menstruation, amenorrhea and postmenopausal bleeding etc. Endometriosis is a relatively high frequency disease in Guizhi Fuling Wan treating spectrum. There are 14 pieces of high quality evidence and 17 of medium in Guizhi Fuling Wan related papers. 41 controlled clinical trials have shown that combination therapy of Guizhi Fuling Wan and western medicine in the treatment of endometriosis curative effect is superior to the simple application of mifepristone, medroxyprogesterone acetate, levonorgestrel etc. 18 cases of series observations show that Guizhi Fuling Wan and its variations is effective for treating endometriosis. Outcomes are observed mainly on clinical symptoms, B ultrasonic examination, serum CA125 improvement. It can show blood stasis tends to be the pathogenesis of endometriosis in clinical phenomena, which has high degree of aggregation.

6.2. Dahuang Zhechong Wan

Dahuang Zhechong Wan composed by Dahuang (Radix et Rhizoma Rhei), Huangqin (Radix Scutellariae), Gancao (Radix Glycyrrhizae), Taoren (Semen Persicae), Xingren (Semen Armeniacae Amarae), Shaoyao (Radix Paeoniae Alba), GanDihuang (Radix

Rehmanniae), Ganqi (Resina Toxicodendri), Mangchong (Gadfly), Shuizhi (Hirudo), Qicao (Larva Holotrichiae) and Zhechong (Woodlouse), is from *Jinkui Yaolue* (*Synopsis of Golden Chamber*), in Blood Bi and consumptive disease chapter. Endometriosis is a relatively high frequency disease in Dahuang Zhechong Wan treating spectrum. There are 1 piece of high quality evidence, 3 of medium quality and 2 of low quality reports in Dahuang Zhechong Wan related papers. Three controlled clinical trials have shown that Dahuang Zhechong Wan combined with western medicine treating endometriosis is superior to the simple application of gestrinone or danazol etc. Three cases series observations show that Dahuang Zhechong Wan and its variations is effective for treating endometriosis. Outcomes are observed mainly on the improvement in clinical symptoms. It indicates that fatigue illness with blood stasis is the common pathogenesis of endometriosis, although limited evidence and low quality reports, it still can be reference to use coming to the certain disease syndrome.

6.3. Wenjing Decoction

WenJing Decoction composed by Wuzhuyu (Fructus Evodiae), Danggui (Radix Angelicae Sinensis), Xiongqiong (Rhizoma Chuanxiong), Shaoyao (Radix Paeoniae Alba), Renshen (Ginseng), Guizhi (Ramulus Cinnamomi), Ejiao (Colla Corii Asini), MudanPi (Cortex Moutan), Shengjiang (Rhizoma Zingiberis Recens), Gancao (Radix Glycyrrhizae), Banxia (Rhizoma Pinelliae) and Maidong (Radix Ophiopogonis), is from Jinkui Yaolue (Synopsis of Golden Chamber), in women miscellaneous diseases chapter. Endometriosis is a relatively low frequency disease in Wenjing Decoction treating spectrum. There are 1 piece of high quality evidence, 2 of medium quality reports in Wenjing Decoction related papers. Three controlled clinical trials have shown that combination therapy of WenJing Decoction and western medicine treating endometriosis is superior to the simple application of gestrinone, medroxyprogesterone acetate, mifepristone and etc. Outcomes are observed mainly on the improvement in clinical symptoms, the improvement of the ultrasound examination. Although the blood stasis is a common pathogenesis of the disease, coldness in body is also a main pathogenesis. Although the evidence is limited, this card type is used for reference. It still can be reference to use coming to the certain disease syndrome.

6.4. Other Prescriptions

There is less documentary evidence or low quality or less frequency for other prescriptions, such as Danggui SiNi plus Wuzhuyu Shengjiang Decoction, Shenqi Wan, Huangqi Guizhi Wuwu Decoction, Taohe Chengqi Decoction, Danggui Shaoyao Powder, Biejiajian Wan and etc. The pathogenesises the above prescriptions' syndromes stand for lack of enough evidence to support, but still have curative effect on the disease clinically, they can be used to refer to. More strong evidence from more researchers in the future is expected to improve the curative effect of the disease.

7. Conclusions

According to the analysis of existing literature evaluation, it shows that clinical types of

endometriosis are: Guizhi Fuling Wan syndrome and Didang Decoction syndrome standing for the pathogenesis of stagnation of blood stasis, Dahuang Zhechong Wan syndrome standing for pathogenesis of consumptive internal injuries and blood stasis, Wenjing Decoction syndrome standing for pathogenesis of Chong-Ren coldness and stagnation of blood stasis, Xiayuxue Decoction syndrome standing for pathogenesis of heat and blood stasis.

By evidence-based medicine research and evaluation of evidence, extracting endometriosis treated with prescriptions from *Shanghan Zabing Lun* presents certain trends. And prescriptions above are likely to be the main syndrome types in endometriosis in current clinical situation (**Figure 1**).

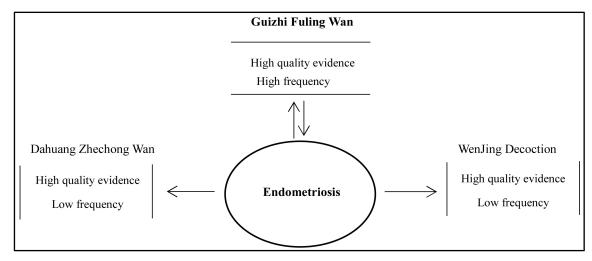


Figure 1. Laws of different endometriosis syndromes.

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