DOI: 10.23977/medcm.2023.050702 ISSN 2616-1753 Vol. 5 Num. 7

Research Progress on the Treatment of Encephalopathy by Chloriti Lapis

Caijuan Zhang^{1,a}, Zucheng Han^{2,b,*}

¹Shaanxi University of Chinese Medicine, Xianyang, Shaanxi, 712046, China ²Shaanxi Provincial Hospital of Chinese Medicine, Xi'an, Shaanxi, 710003, China ^azcj19970310@163.com, ^b13759668645@139.com *Corresponding author

Keywords: Chloriti Lapis; various types of encephalopathy; summary

Abstract: Chloriti Lapis is a kind of mineral medicine. Traditional Chinese medicine believes that it has the effects of purging qi and eliminating phlegm, calming liver and relieving convulsion. It can treat stubborn phlegm cementation, cough, asthma, epilepsy, irritability, chest tightness, convulsions, etc. M Modern medicine believes that Chloriti Lapis has the function of scavenging oxygen free radicals, protecting the membrane, regulating the content of excitatory neurotransmitters and inhibitory neurotransmitters in the brain, and is widely used in cerebrovascular diseases. Based on this, the author reviews the pharmacological effects and clinical application of Chloriti Lapis in the treatment of encephalopathy in the past 10 years, in order to provide some reference for clinical and related researchers.

1. Introduction

Chloriti Lapis, sweet and salty, its nature is flat, non-toxic, belongs to the lung and liver meridians, with the effect of eliminating phlegm and calming the liver, belongs to a kind of mineral medicine [1], which was first recorded in 'Jiayou Bencao'. It is mainly used for the treatment of dyspepsia, retention of viscera, and long-term indigestion. In the 'Compendium of Materia Medica', it is recorded: 'Its nature is downward, and Yin is also heavy, which is the medicine of Jueyin. The wind wood of the liver meridian is too much to make the spleen soil. Qi does not transport and transform, accumulates and generates phlegm, obstructs the upper and middle energizers, and becomes windheat diseases. Therefore, it is appropriate to make this medicine heavy to eliminate stones. Its nature is loose and fast, so that the wood is flat, and the phlegm accumulates and dredges, and the syndromes are self-eliminated. Modern pharmacological studies have also shown that Chloriti Lapis has anti-epileptic [2], regulation of intestinal flora [3], anti-arrhythmic [4] and so on. The main components of Chloriti Lapis are Si, Fe, Mg, Al, Ca, K, Na, etc[5]. , which can enhance the antioxidant activity of brain tissue, scavenge oxygen free radicals, protect membrane function, maintain the dynamic balance of ion concentration in the brain, inhibit abnormal discharge in the brain, reduce the content of excitatory neurotransmitters, and increase the content of inhibitory neurotransmitters in the brain.

2. Insomnia

Yoon's [6] treated 80 patients with insomnia of phlegm-heat internal disturbance type with modified Mengshi Guntan Decoction with Chloriti Lapis as the main drug and compared it with the control group. The results showed that Mengshi Guntan Pill could effectively relieve insomnia and improve the quality of life of patients. Zuo [7]treated 38 patients with insomnia from phlegm. After treatment, 10 cases were cured, 20 cases were markedly effective, 7 cases were improved, and 1 case was ineffective. The total effective rate was 97.4 %. Yang [8] used Wendan Decoction to treat 30 cases of insomnia of phlegm-heat internal disturbance type. Medicinal Coptis chinensis, Trichosanthes kirilowii, Pinellia ternata, Zhuru, Pericarpium Citri Reticulatae, Poria cocos, Fructus Aurantii Immaturus, Fried malt, Hawthorn, Mengshi, Rhubarb. If the heart palpitations are frightened, add cinnabar, amber, fried jujube kernel, etc., 1 dose per day, 400 ml of water decoction, 2 times of warm clothing. The results showed that 17 cases were cured, 12 cases were effective, 1 case was ineffective, and the total effective rate was 96.7 %. Gao's[9] Reported a case of intractable insomnia patients, over the years to take a variety of western medicine treatment fruitless, difficulty falling asleep at night is sleepless all night, TCM diagnosis of liver fire disturbing the heart, restless, treatment to Shaoyang, liver fire, tranquilize the mind, choose bupleurum plus keel oyster soup. The prescription is bupleurum 20g, scutellaria 15g, ginger Pinellia 15g, Codonopsis 10g, dried ginger 10g, jujube 15g, cassia twig 10g, rhubarb 20g, Poria 15g, Rehmannia glutinosa 90g, keel, oysters 15g, calcined Chloriti Lapis 30g, Caulis Polygoni Multiflori 30g, 10 doses, decocted in water, 1 dose a day. Western medicine to give alprazolam tablets continue to oral. After the three diagnosis, the sleep was significantly improved, and more than 6 hours of sleep could be slept every night, and the sleep was significantly improved. Ying's[10] Mengshi Guntan Pill combined with zolpidem in the treatment of phlegm-heat internal disturbance insomnia can significantly improve the sleep quality and cognitive function of patients, with high safety. Ma 's[11] treatment of 1 cases of phlegm heat, disturbance of the mind of patients, treatment with phlegm heat, lead fire down, medicinal qingmengshi 30 g, rhubarb 10 g, agarwood 10 g, woody 10 g, scutellaria 10 g, water decoction after 2 doses have been able to fall asleep, the card to eliminate. Gu's [12] treatment of heart deficiency and timidity, phlegm heat disturbance type insomnia, the effect is quite good, the choice of Changpu Yujin Decoction, the specific prescription: Danpi 10g, Danshen 30g, Fushen 30g, fried Suanzaoren 30g, Wuyao 10g, Shanyao 30g, Yizhiren 10g, Jiujiechangpu 6g, Yujin 10g, Yuanzhi 6g, Qingmengshi 30g, Zhebeimu 16g, Huangqin 6g, Shenggancao 3g. A total of 14 doses. After the first diagnosis, the patient's nightmare was significantly reduced. The original prescription was removed from Zhejiang Fritillary Bulb and Scutellaria baicalensis, and 20 g of Maozhuacao, 15 g of Litchi Seed, 20 g of Zhibiejia, and 6 g of Phellodendron chinense were added. After taking 14 doses, the symptoms of dreaminess and wakefulness were significantly improved after the second diagnosis, and the quality of sleep was significantly improved. Down's[13]is good at using Dannanxing-Qingmengshi drug pair to treat insomnia. He treated 1 case of insomnia patient with long-term ineffective treatment, which was characterized by hyperactivity of liver yang, internal disturbance of phlegm heat and uneasiness of mind. The treatment is to calm the liver and subdue yang, resolve phlegm and clear heat, clear the heart and tranquilize the mind. Prescription composition: Radix Bupleuri 15g, Gardenia 10g, Radix Paeoniae Alba 20g, Acanthopanax senticosus 30g, Caulis Polygoni Multiflori 50g, Cortex Albiziae 15g, Dannanxing 15g, Radix Glycyrrhizae 10g, Rhizoma Anemarrhenae 15g, Herba Artemisiae Scopariae 20g, Uncaria 10g, Radix Achyranthis Bidentatae 15g, Mother of Pearl 30g, Longchi 15g, Pericarpium Citri Reticulatae 15g, Rhizoma Gastrodiae 20g, Fructus Toosendan 15g, Rhizoma Corydalis 15g, Chloriti Lapis 30g, Jiaosanxian 15g. 7 doses, water decoction. After 7 doses, the patient's sleep was significantly improved, falling asleep for up to 6 hours. After taking 7 doses, the patient's sleep quality was significantly relieved, and Western medicine was discontinued. After 1

month of follow-up, the symptoms were not repeated.

3. Psychiatric disorders

3.1. Schizophrenia

Chang's Research[14] showed that on the basis of chlorpromazine combined with Wendan Decoction, the addition of traditional Chinese medicine such as Qingmengshi can effectively alleviate the symptoms of schizophrenia and significantly reduce the amount of antipsychotic drugs. Fan's[15] treated schizophrenia with Anshen Decoction (Qingmengshi, Longgu, Muli, Shigao, Gancao, Dannanxing, Juhong, Beimu, Changpu, Fuling, etc., and found that it was superior to antipsychotic western medicine in anti-anxiety depression and psychomotor retardation, and had fewer side effects. It was similar to western medicine in controlling hostile suspicion. Dr Wang[16] is good at treating schizophrenia, anxiety, depression and other mental diseases with calcined Lapis Micae. In clinical practice, calcined Lapis Micae 15-90 g is used, according to syndrome differentiation, combined with other traditional Chinese medicine high-dose water decoction. Long-term clinical observation has definite curative effect, and no adverse reactions have been found. Lin's[17] treated 30 cases of schizophrenia with Modified Dianmang Mengxing Decoction, and compared with 30 cases of chlorpromazine in the western medicine group. The results suggest that Chinese medicine has the same effect as western medicine in controlling the onset of chronic schizophrenia, and speculate that its possible mechanism is to promote the secretion of BDNF through the repair and protection of brain neurons. Hong[18] treated 30 cases of schizophrenia with modified Dianmang Mengxing Decoction, and compared with 30 cases of chlorpromazine in the western medicine group. The results showed that the traditional Chinese medicine had the same effect as the western medicine in controlling the attack of chronic schizophrenia, and speculated that the possible mechanism was to promote the secretion of BDNF by repairing and protecting brain neurons. Song[19] Using the combination of traditional Chinese and Western medicine, Mengshi Guntan Pill combined with perospirone in the treatment of 150 cases of schizophrenia was compared with the simple use of perospirone. The results showed that Mengshi Guntan Pill combined with perospirone had a significant therapeutic effect on patients with schizophrenia, and its mechanism may be related to the reduction of serum Cor, NGF, BDNF levels and the increase of serum 5-HT levels. Ruscher[20] and other traditional Chinese medicine Jieyu Kaiqiao pill combined with western medicine in the treatment of 125 cases of schizophrenia. The results showed that the total effective rate of the combination of Chinese and Western medicine in the treatment of schizophrenia was as high as 95.3 %, and the adverse reaction rate of the combination of Chinese and Western medicine in the treatment of schizophrenia was only 12.3 %. It can be seen that the effect of the combination of Chinese and Western medicine in the treatment of schizophrenia is significant, and the adverse reaction rate of the patients is low. Liu[21] adopted the principle of purging and purging before tonifying, and self-made Sansheng Mengshi Decoction with Qingmengshi as the main drug was used to treat 58 patients with first-episode schizophrenia. After 4 weeks of treatment, the total effective rate was 92.86 %, and the curative effect was better. Hu's [22] randomly divided 96 patients with schizophrenia into two groups. The treatment group was treated with Mengshi Ditan Decoction on the basis of western medicine. The study found that Mengshi Ditan Decoction had a therapeutic effect on schizophrenia, and the curative effect of integrated traditional Chinese and western medicine on schizophrenia was better than that of western medicine alone, and its toxic and side effects were lighter than those of western medicine alone. Hu's[23] treated 60 cases of first-episode schizophrenia with Jiawei Diankuang Mengxing Decoction, including 30 cases of Chinese medicine group and 30 cases of western medicine clozapine. The results showed that Jiawei Diankuang Mengxing Decoction could effectively treat schizophrenia, and its curative effect was equivalent to that of western medicine clozapine. It is speculated that Jiawei

Dianmang Mengxing Decoction can regulate the body's disordered immune function by adjusting the state of TH1 / TH2 imbalance, so as to achieve the purpose of treating schizophrenia. Yang[24] made Mengshi Decoction with Qingmengshi as the main drug, which was used to treat 67 patients with schizophrenia and achieved remarkable curative effect. Shen's[25] used Shugan Jieyu capsule combined with Mengshi Guntan pill to treat 60 patients with schizophrenia of liver depression and phlegm stagnation type, and achieved good clinical results. Yu's[26] used Qingmengshi as the main prescription of the self-made Qudian Decoction (Qingmengshi, Shenglonggu, Shichangpu, Dannanxing, Quandanggui, Guangyujin, Zidanshen, Guangdilong, Chuanhuanglian, Shuizhi, Borneol) combined with low-dose clozapine in the treatment of schizophrenia, 4 cases were cured, 15 cases were markedly effective, 12 cases were improved, the markedly effective rate was 61.24 %, the effective rate was 100 %, and the curative effect was better than that of the western medicine group. Less side effects. Yang[27] dopted the hospital preparation Jievu Kaiqiao pill combined with western medicine treatment, the party to the green mengshi, vejiaoteng, pearl mother, magnet, raw keel, raw oysters each 30 g, bupleurum, white peony root, scutellaria baicalensis, rhizoma coptidis, rhubarb each 15 g, turmeric, acorus tatarinowii, alum, buffalo horn, earthworm each 10 g, artificial bezoar 2 g, clinical effective rate was 90.9 %. Chua[28] used Guntan Decoction to treat the manic syndrome of mental disorders caused by great changes in family business. The syndrome belongs to long-term depression of liver fire, stomach heat and fu-organ excess, phlegm fire burning heart, disturbing the spirit, and the treatment should be purging fire and expelling phlegm, laxative and clearing turbidity. It was treated with Qingmengshi 30 g, Dahuang 12 g, Huangqin 2 g, Chenxiang 3 g, Mangxiao 30 g (closed), decocted in water, 1 dose a day. After 2 doses of diarrhea, a large number of dry feces and dilute water samples were taken with mucus stool. After diarrhea, the amount of mirabilite was reduced to 15 g, and the loose stool was maintained 2-3 times a day. After half a month, the mind was stable, the diet and sleep were as usual, and then the liver and qi were adjusted for half a month, as usual. After half a year of follow-up, the work and life were normal.

3.2. Depression

Zhang's[29] eported that Wendan Decoction combined with Qingmeng Stone and Pearl Mother was used to treat patients with bipolar depression with visual hallucinations, auditory hallucinations, and restlessness, and achieved good results. Ding's[30] treated 1 case of depression caused by phlegm-heat block, yang depression and disharmony of spirit, with the method of falling phlegm and descending qi, Xuanyang Kaiyu. Medicinal Chloriti Lapis 24g, Scutellaria 12g, Poria 30g, Agarwood powder 3g (later), Acorus tatarinowii Schott 15g, Pinellia ternata 9g, Morinda officinalis 15g, Polygala tenuifolia 9g, Tianzhuhuang 15g, Coptis chinensis 9g, Cinnamon 6g (later). 1 dose a day, water decoction. After 7 doses, the patient 's sleep improved, but the mood was still irritable, excited, and restless. After adjusting the traditional Chinese medicine decoction, the mood was significantly stable after taking 7 doses, and then changed to Xuanyang Kaiyu, clearing phlegm and heat, followed by taking 6 doses, gradually to the normal body. Shi 's[31] self-made Sanxin Yangxin Decoction with Qingmeng Stone as the main drug was used to treat 43 cases of manic depression. Among them, 16 cases were cured, 13 cases were markedly effective, 10 cases were effective, 4 cases were ineffective, and the total effective rate was 90.7 %. It has a satisfactory effect on manic depression. Li 's [32] prescription Shugan Ningshen Decoction, the prescription is composed of Qingmengshi 12 g, Chaihu, Danggui, Baishao, Baizhu, Gancao, Dazao, Fuling are each 10g, wheat 30 g, Danshen, Suanzaoren are each 15 g, Mint, Zhinanxing are each 6 g, 1 dose per day, decoction. Results after 2 courses of treatment, 27 cases were cured, 12 cases were markedly effective, 88 cases were improved, and 3 cases were ineffective. The total effective rate was 86.7 %.Lee's[32] with self-made prescription Tiaojing Jieyu Decoction (Qingmengshi 6g, Muli 30, Longgu 30g, Shijueming 20g,

Roucongrongpian 20g, Danshen 20g, Shengmaiya 15g, Fuling 15g, Vinegar tortoise shell 15g, Bajitian 15g, Shichangpu 15g, Yinyanghuo 15g, Maidong 15g, Gancaopian 10g, Zheshi 10, Chenpi 10g, Huanglian 9g, Zhuru 9g, Qingbanxia 9g, Zhike 9g). Mohs[33] with self-made prescription Tiaojing Jieyu Decoction (Qingmengshi 6g, Muli 30, Longgu 30g, Shijueming 20g, Cistanche 20g, Danshen 20g, Shengmaiya 15g, Fuling 15g, Vinegar tortoise shell 15g, Bajitian 15g, Shichangpu 15g, Epimedium 15g, Maidong 15g, Gancaopian 10g, Ochre 10, Chenpi 10g, Huanglian 9g, Zhuru 9g, Qingbanxia 9g, Zhike 9g) in the treatment of perimenopausal syndrome and depression in 35 cases and compared with fluoxetine hydrochloride 34, the results showed that traditional Chinese medicine treatment of perimenopausal syndrome with depression significant effect. It can significantly improve the symptoms of depression and menopausal syndrome in patients. Shi's [34] used Mengshi Guntan Pills to treat 30 cases of depression with phlegm-heat stagnation type compared with Deanxit group. The curative effect was comparable, and Mengshi Guntan Pills was more effective in improving TCM syndrome scores than western medicine group. Michael[35] with bupleurum plus keel oyster decoction combined with tai chi exercise in the treatment of liver qi block and phlegm heat type depression 40 cases, the results showed that the improvement of depressive symptoms than western medicine group has more advantages, and high safety, less adverse reactions. Wang's [36] treated 60 cases of mild to moderate depression with the combination of traditional Chinese and Western medicine. Medicinal Huatan Jieyu Decoction: Green Lapis 20g, Radix Bupleuri 15g, Radix Paeoniae Alba 15g, Fructus Aurantii 10g, Radix Glycyrrhizae 10g, Rhizoma Cyperi 10g, Rhizoma Ligustici Chuanxiong 10g, Pericarpium Citri Reticulatae 10g, Rhizoma Pinelliae 10g, Bamboo Ru 10g, Poria 20g, Codonopsis 10g, Acorus Tatarinowii 20g, Polygala 20g, Chinese medicine granules, water, one dose a day, morning and evening. Results: Huatan Jieyu Decoction combined with Deanxit can improve depression and sleep more than Deanxit alone. The clinical efficacy is good and the safety is high. Dun's [37] OS treated 60 cases of depression with the method of soothing liver, nourishing heart and tranquilizing mind. They were randomly divided into two groups. The observation group was given soothing liver, nourishing heart and tranquilizing mind prescription, medicinal: Radix Bupleuri 10 g, Radix Curcumae 10 g, Radix Codonopsis 10 g, Lily 30 g, Semen Ziziphi Spinosae 30 g, Radix Polygalae 6 g, Caulis Polygoni Multiflori 15 g, Cortex Albiziae 15 g, Rhizoma Ligustici Chuanxiong 10 g, Ramulus Cinnamomi 10 g, Poria 15 g, Chloriti Lapis 30 g, Wheat 15 g, Licorice 5 g, Jujubae 5. The control group was given sertraline with an initial dose of 50 mg / d, which was gradually increased to 100-150 mg/d according to the condition within 2 wk. There were 113 cases of significant progress, 4 cases of progress and 5 cases of ineffective. In the control group, 5 cases were cured, 10 cases were significantly improved, 8 cases were improved, and 7 cases were ineffective. A randomized controlled study of Luo 's[38] use of Mengshi Guntan Decoction in the treatment of traumatic brain injury complicated with manic mental disorders showed that on the basis of conventional western medicine treatment, the addition of Mengshi Guntan Pills was more effective than the use of chlorpromazine alone to control manic symptoms

4. Dementia

He [39] created Zengzhidan (Chloriti Lapis, Acorus tatarinowii, Curcumae Radix, Zhuru, Ligustrum lucidum, Eclipta prostrata, Rehmannia glutinosa, Rehmannia glutinosa, Alpinia oxyphylla, Pheretima, Beauveria bassiana) with Chloriti Lapis as the main prescription. The clinical treatment of children with vascular dementia and cerebral palsy has achieved satisfactory results. Yan[40]used Mengshi Guntan Decoction combined with Xuefu Zhuyu Decoction to treat 1 case of dementia of phlegm-qi stasis type, and the effect was remarkable. He[41]used the method of regulating triple energizer to treat 1 case of frontotemporal dementia. Medicinal Chloriti Lapis 20 g, Perrin 10 g, Lotus leaf 10 g, Lotus stem 10 g, Citrus aurantium 10 g, Amomum villosum 10 g, Magnolia officinalis 10

g, Radix Polygoni Multiflori 15 g, Polygonati Rhizoma 15 g, Angelica sinensis 15 g, Rehmanniae Radix 10 g, Bupleuri Radix 10 g, Acorus calamus 10 g, Curcumae Radix 10 g, Polygala tenuifolia 10 g, Agarwood 5 g, Scutellaria baicalensis 10 g, Coptis chinensis 10 g, Licorice 10 g. A total of 4 doses, water decoction, 1 dose a day, divided into 2 warm clothes. After 1 course of treatment, the mental state of the patients described by the family members was significantly better. After 2 courses of treatment, the patients described by the family members responded more sensitively than before, their memory was improved, and they began to establish trust in their spouses. Continue to adhere to the combination of acupuncture and medicine for half a year, the patient has been as normal, with a good relationship with the spouse, no longer suspect others; peaceful and cheerful, good communication with people, sensitive response; memory and computing power returned to normal; no recurrence and deterioration occurred during the follow-up of half a year. Zhang 's [42]treatment of 1 case of memory cognitive dysfunction caused by the death of his wife, syndrome differentiation for gi stagnation and blood stasis, phlegm and blood stasis, blinding clear orifices. The treatment is to promote qi and blood circulation, remove phlegm and remove blood stasis, open the orifices and wake up the mind. Medicinal Chloriti Lapis (first decoction) 10g, peach kernel 30g, bupleurum 15g, cyperus 20g, akebia 10g, red peony root 15g, pinellia 15g, green peel 15g, large abdominal skin 15g, tangerine peel 15g, mulberry bark 15g, perilla 20g, turmeric 20g, acorus tatarinowii 15g, polygala 15g, salvia miltiorrhiza 20g, chuanxiong 15g, dannanxing 15g, rhubarb 3g, Licorice 15g. Decoct in water, 1 dose / day, warm clothes in the morning and evening. After taking 14 doses, the manic symptoms were significantly improved, and the phenomenon of swearing and destroying things was significantly reduced. After taking 30 doses, the thinking was clear. They could go home on their own, no longer lost their direction, and could normally carry out housework activities within their ability. However, after overwork, they felt weak and weak in the waist and knees, and asked to continue taking the medicine to consolidate the curative effect. They took 60 doses of Bushen Tianjing decoction again, with strong energy and quick thinking. They were followed up so far and were in stable condition. Wang 's [43]treatment of Lewy body dementia in 1 case, with raw Rehmannia 30 g, cooked Rehmannia 30 g, wine Cornus 30 g, wine Cistanche 20 g, Schisandra 10 g, Angelica 20 g, Codonopsis 30 g, Atractylodes 30 g, licorice 15 g, Platycodon 15 g, Astragalus 45 g, Gastrodia 10 g, centipede half, raw keel 30 g, calcined Qingmeng stone 30 g, raw magnet 20 g, Anemarrhena 15 g, Phellodendron 20 g. 14 doses, water decoction, 1 dose a day, warm in the morning and evening. After 21 doses, the patient did not have hallucinations again, and there was no progressive decline in cognitive ability. The original prescription Huangqi was changed to 30 g, and the centipede was removed for half a year. After half a year of follow-up, the patient's condition was stable, and tremor and cognitive decline did not progress.

5. Epilepsy

Liu 's [44]experimental studies have shown that Qingmengshi has a clear intervention effect on PTZ rats, which can reduce the toxic effect of excitatory neurotransmitters on brain tissue neurons and inhibit the development of brain tissue inflammation to maintain the biological function of brain cells and slow down the occurrence of epilepsy. Wang Shouchuan [45] believes that epilepsy is often difficult to stop, and it is most important that phlegm and wind intersect and accumulate. Therefore, the treatment of epilepsy is based on the main method of extinguishing wind and eliminating phlegm. If the wind is flat, the phlegm is calm, the qi is smooth, the zang-qi is flat, the wind is flat and the phlegm is eliminated, the qi flow is smooth, and the yin and yang qi can be connected smoothly, then the epilepsy can be stopped. He advocates the use of mineral and animal drugs such as Mengshi Guntan Pills, and the use of gold stone drugs. Ma[46]used Qingmengshi as the main drug to treat 1 case of epilepsy with phlegm-dampness phlegm-epilepsy syndrome, and the effect was good.

Deng[47] used the combination of traditional Chinese and Western medicine to treat 34 cases of epilepsy. Ditan Dingxian Decoction combined with sodium valproate was used as the treatment group. The control group only took sodium valproate. The total effective rate of seizure frequency and seizure degree in the treatment group was higher than that in the control group, indicating that the efficacy of the treatment group was better than that of the control group. The effective rate of the treatment group was 94.12 %, and the effective rate of the control group was 80.00 %.

6. Other encephalopathy

Xu's [48]self-made Quyu Ditan Decoction was used to treat 180 cases of cerebral infarction. The basic prescription was composed of basic prescriptions: angelica 15 g, chuanxiong 15 g, peach kernel 10 g, safflower 10 g, scorpion 15 g, centipede 2, leech 10 g, tangerine peel 9 g, pinellia 12 g, green Mengshi 30 g, Tianzhuhuang 18 g, Zhuru 18 g. Decoction in the morning and evening 2 times a day, 1 agent, 20 d for a course of treatment, the general medication 2-3 courses. Results: Among them, 111 cases were basically cured (paralyzed limb muscle strength returned to normal, muscle strength reached grade IV, various neurological symptoms disappeared, self-care, and able to engage in light physical labor); markedly effective (muscle strength of paralyzed limbs increased by more than grade II, neurological symptoms basically disappeared, basic self-care in life, walking on crutches) 45 cases; improvement (paralyzed limb muscle strength and neurological symptoms improved) in 20 cases; ineffective: symptoms (no improvement) in 4 cases.

7. Experience

Foreign research on Chloriti Lapis is almost blank. Domestic research on Chloriti Lapis mainly focuses on clinical observation and clinical experience. Among them, clinical research is mostly compound research. The research on single drugs is also very limited, and there is also a lack of high-quality randomized controlled clinical research. We need our next scholars to study and explore, and the compound with Chloriti Lapis as the main drug has a definite effect in the treatment of encephalopathy, but its specific mechanism is still not clear enough. The drug research is not perfect enough, and the research space of clinical application is large, which has a very broad research prospect.

References

- [1] National Pharmacopoeia Commission. Pharmacopoeia of the People's Republic of China: 2015 edition. China Medical Science and Technology Press, 2015.
- [2] Liu Shengjin, Wu Luting, Wu Dekang. Effect of mineral herb gravel on the content of amino acid neurotransmitters in brain tissues of PTZ-ignited rats with epilepsy [J]. Journal of Mass Spectrometry, 2016, 06:533-541.
- [3] Yuan Peng, Ma Yulu, Liu Shengjin. Effect of mineral medicine gravel on intestinal flora of pentatetrazole ignited epilepsy rats[J]. Journal of Traditional Chinese Medicine, 2021, 07:2011-2023.
- [4] Guo Maosong, Zhang Jing, Ma Li. Experimental study on anti-premature beats thrombosis in the treatment of ventricular premature beats[J]. Journal of Cardiovascular and Cerebrovascular Diseases of Integrated Traditional and Western Medicine, 2016, 09:955-956.
- [5] Liu Shengjin, Wu Dekang, Lin Ruichao. ICP-MS analysis of inorganic elements of mineral gravel[J]. Journal of Pharmaceutical Analysis, 2010, 11:2067-2074.
- [6] Yin Gaoyun. Study on the effect of addition and subtraction of gravel rolling sputum pills on the quality of life of sputum fever internal disturbance insomnia[D]. Shandong University of Traditional Chinese Medicine, 2012.
- [7] Zuo Fang. Efficacy of insomnia in 38 cases treated with sputum[J]. Tianjin Journal of Traditional Chinese Medicine, 1996(03):24.
- [8] Yang Xueying. Warm gallbladder soup flavored in the treatment of sputum fever internal disturbance type insomnia in 30 cases [J]. Journal of Practical Chinese Internal Medicine, 2008(04):84.
- [9] Gao Niu, Meng Yi, Zhao Chenyi, Li Ru. Case study of Chaihujia keel oyster soup for the treatment of refractory

- insomnia[J]. Journal of Traditional Chinese Medicine Research, 2018, 31(09):41-42.
- [10] Ying Wanrong. Clinical study of gravel rolling sputum decoction flavored combined with zolpidem in the treatment of sputum fever internal disturbance insomnia [J]. New Chinese Medicine, 2022, 54(18):11-14.
- [11] Ma Rong, Liu Yanrong, Yao Hongling. Treatment of stubborn sputum and solid disease: 1 case [J]. Journal of Chengde Medical College, 2004(03):261.
- [12] Zhang Ruoyi, Gu Xizhen. Journal of Zhejiang University of Traditional Chinese Medicine, 2019, 43(05):453-456+459.
- [13] Yang Jun, Sun Wenjun, Tang Qisheng. Clinical experience of Tang Qisheng in the treatment of insomnia [J]. Beijing Journal of Traditional Chinese Medicine, 2016, 35(08):749-751.
- [14] Chang Wei. Clinical study of warm gallbladder decoction combined with chlorpromazine in the treatment of schizophrenia [J]. Journal of Henan College of Traditional Chinese Medicine, 2009, 03:54-55.
- [15] Fan Xiuhua, Yang Lijuan. Clinical observation of Anshen decoction in the treatment of schizophrenia [J]. Chinese Journal of Health Psychology, 2006(01):65-6.
- [16] Wang Kunyang, Tian Qing. Study on the mechanism of green gravel in the treatment of schizophrenia [J]. Henan Journal of Traditional Chinese Medicine, 2018, 38(02):306-308.
- [17] Lin Hong, Yu Zhifeng, Wang Zhiling, et al. Study on the regulation of brain-derived neurotrophic factors in schizophrenia with flavored maniatric decoction[J]. Journal of Traditional Chinese Medicine, 2014, 42(04):153-155.
- [18] Hong Na, Yan Lihua, Liu Fuhui. Effect of gravel rolling sputum pill combined with piropirolone on serum biochemical indexes in patients with schizophrenia[J]. Drug Evaluation Research, 2019, 42(05):932-935.
- [19] Song Huanxia. Clinical efficacy of gravel soup combined with western medicine in the treatment of schizophrenia and its effect on BPRS score, serum IL-8 and SOD levels[J]. Asia-Pacific Journal of Traditional Medicine, 2018, 14(09): 184-185.
- [20] Lu Xiaoliang, Duan Furong. Clinical analysis of 125 cases of schizophrenia treated by integrated traditional Chinese and western medicine[J]. Asia-Pacific Journal of Traditional Medicine, 2013, 9(12):94-95.
- [21] Liu Baoquan, Gu Jinhuan, Zhang Lixia, Gao Junxia. Treatment of schizophrenia in 42 cases[J]. New Chinese Medicine, 2004(04):56.
- [22] Hu Haiyan, Zhu Weiming, Zheng Hong. Clinical control study of gravel polyester phlegm decoction combined with western medicine in the treatment of schizophrenia [J]. Journal of Traditional Chinese Medicine, 2007(02):129-131.
- [23] Lin Hong, Xun Zhiyuan, Xu Zhigang, et al. Study on TH1/TH2 drift intervention in schizophrenia[J]. Sichuan Journal of Traditional Chinese Medicine, 2011, 29(08):18-21.
- [24] Yang Xiao, Jiang Hongge, Tao Xiaoyan. Treatment of schizophrenia with gravel decoction: 67 cases[J]. Journal of Practical Chinese Medicine, 2001(08):9.
- [25] Shen Youdan, Wang Long. Clinical study of liver relief capsules combined with gravel rolling sputum pills in the treatment of schizophrenia hepatic depression and phlegm[J]. New Chinese Medicine, 2020, 52(06):47-49.
- [26] Yu Rong. Anti-epileptic decoction combined with low-dose clozapine in the treatment of schizophrenia[J]. Zhejiang Journal of Integrated Traditional and Western Medicine, 2001(08):11-12.
- [27] Yang Xiao. Integrated Traditional Chinese and Western Medicine in the treatment of schizophrenia in 88 cases [J]. Sichuan Journal of Traditional Chinese Medicine, 2008, No. 292(03):71-72.
- [28] Cai Yuanlong, Liang Fengyun. Application experience of rolling phlegm decoction in the treatment of difficult diseases [J]. Chinese Community Physician (Medical Specialty), 2012, 14(13):225.
- [29] Zhang Liping. Dialectical treatment of warm gallbladder decoction in the treatment of depression[J]. Chinese Journal of Clinical Rehabilitation, 2005(16):3.
- [30] Wu Jianlin. Ding Yuanqing's experience in treating depression[J]. Journal of Traditional Chinese Medicine, 2012, 53(23):2044-2046.
- [31] Shi Fanfan, Li Baohua. Self-simulated three-heart nourishing decoction for the treatment of manic-depressive disorder in 43 cases [J]. Shaanxi Journal of Traditional Chinese Medicine, 2000(10):454.
- [32] Li Xinchun, Tang Wu, Li Qing. Liver Thinning Ningshen decoction for the treatment of depression in 60 cases [J]. New Chinese Medicine, 2003(04):60-61.
- [33] Mo Tingting. Clinical Observation of Tiaojing Jieyu Decoction in the Treatment of Perimenopausal Syndrome Complicated with Depression [J]. Chinese Folk Therapy, 2020, 28 (18): 58-59.
- [34] Shi Shuangshuang. Clinical study on the treatment of sputum fever depression with gravel rolling sputum pills plus and minus [D]. Shandong University of Traditional Chinese Medicine, 2008.
- [35] Mi Jianguo. Clinical observation of 40 cases of depression treated by Chaihujia keel oyster soup plus minus combined with tai chi exercise[J]. Hunan Journal of Traditional Chinese Medicine, 2021, 37(02):6-9+13.
- [36] Wang Yan. Clinical observation of phlegm and anti-depressant decoction combined with Delixin in the treatment of mild to moderate depression with phlegm depression[D]. Hebei University, 2021.
- [37] Deng Ying, Yuan Changwen, Wang Xintong. Clinical study on the treatment of depression by liver thinning and calming the mind[J]. Inner Mongolia Journal of Traditional Chinese Medicine, 2016, 08:4-5.

- [38] Luo Jiekun. Observation on the efficacy of gravel rolling sputum pills in the treatment of brain trauma complicated by manic mental disorder[J]. China Journal of Information of Traditional Chinese Medicine, 2010, 06:79-80.
- [39] Liang Fuying. HE Shiying's experience in treating encephalopathy with insect drugs [J]. Chinese Journal of Basic Medicine of Traditional Chinese Medicine, 2011, 17 (05): 532 + 543.
- [40] Lin Fengchun. Professor Yan Ye's academic experience in the treatment of Alzheimer's disease with integrated traditional Chinese and Western medicine [D]. Liaoning University of Traditional Chinese Medicine, 2010.
- [41] Liang Fuying. Professor He Shiying's experience in treating encephalopathy with insect drugs [J]. Shaanxi Traditional Chinese Medicine, 2010, 31 (09): 1196-1197.
- [42] Sun Yuanying, Wu Shentao, Wang Baokui. Professor Zhang Qi's experience in the treatment of senile dementia [J]. Gansu Traditional Chinese Medicine, 2007 (09): 15-16.
- [43] Wang Jing, Yu Yueyi, Fu Dongting, etc. The etiology and pathogenesis of traditional Chinese medicine and syndrome differentiation and treatment of dementia of Lewy body [J]. Jilin traditional Chinese medicine, 2021, 41 (05): 561-564. [44] Liu Shengjin, Wu Luting, Ma Yulu. Metabonomic analysis of brain tissue of mineral drug Chloriti Lapis on PTZ-kindled epileptic rats [J]. Chinese Journal of Experimental Prescriptions, 2021, 10: 76-84.
- [45] Du Lina, Dai Qigang, Xu Shan, Etc. Wang Shouchuan's experience in treating pediatric epilepsy with the method of extinguishing wind, eliminating phlegm and opening orifices [J]. Journal of Traditional Chinese Medicine, 2013, 54 (06): 470-471 + 483.
- [46] Zhou Xianyi, Shen Mingyue, Zhang Xilian. Ma Rong's experience in treating epilepsy from children's constitution [J]. Hunan Journal of Traditional Chinese Medicine, 2018, 34 (05): 47-49.
- [47] Deng Ying, Yuan Changwen, Wang Xintong. Observation on the efficacy of Ditan Dingxian Decoction combined with sodium valproate in the treatment of 34 cases of epilepsy [J]. Practical Integrated Traditional Chinese and Western Medicine Clinical, 2016, 16 (05): 42-43.
- [48] Xu Aimin. Quyu Ditan Decoction in Treating 180 Cases of Cerebral Infarction [J]. Henan Traditional Chinese Medicine, 2002