

Dialectic should be according to cold and heat and menstrual cycle flexible medication, if qi stagnation with gas line drugs, such as aggregata, woody, sweet; if you use blood stasis drugs, such as Achyranthes, Zeeland, Corydalis, five spirits fat, Puhuang; if you use warm inside Hanning drugs, such as fennel, leaves, roasted ginger, ginger, cinnamon. Based on the above, tutors focus from the heart of governance, with the city of sedative drugs, such as Ur, amber, keel, oysters, if the patient accompanied by nausea, vomiting, then use calcined keel, calcined oyster, whichever is astringent. Also if the kidneys do not pay, have sleep problems, then added with berberine, gelatin, Polygala, etc.; if heart Huo, red tongue, yellow urine, then the addition of bamboo, lotus, berberine. Blood in use to relieve menstrual cramps to spasm and pain.

3 Typical cases

Sohn, female, 20 years old, student, unmarried, 25 November 2012 visit. Last menstrual period: November 24, 2012. Chief Complaint: The line of abdominal pain for seven years. History of present illness: The patient 13 years after menarche, starting from menarche through the line during the first 1 to 2 days of abdominal pain more drama, with lumbosacral pain, thermophilic hi, accompanied by nausea, vomiting, with diarrhea. Premenstrual migraine headaches, irritability, breast tenderness, pink tongue, thin white fur, pulse string. Prescription as follows: Achyranthes 15g, Zeeland 15g, fennel 10g, leaves 15g, roasted ginger 10g, Corydalis 15g, Wulingzhi 15g, white peony root 20g, calcined keel 30g, calcined oyster 30g, Blood 1g, Cyperus 15g, Ukraine drug 10g, Eucommia 15g, Morinda 15g. Abdominal pain after taking a short half-dose relieve the suffering patient to continue treatment after 4 dysmenorrhea reported more than a month.

4 Summary

This article highlights Professor Cong Huifang from the heart of governance dysmenorrhea clinical experience, and its Clinical Herbal Prescription on a brief summary, tutors inherited traditional Chinese medicine theory and the theory of governance dysmenorrhea explore new ideas, new ways to the treatment of this disease brings better results.

References:

- [1] Yue Jie Gynecology and Obstetrics [M] .7 version. Beijing, People's Health Publishing House, 2008.318
- [2] Jiang Xuehua. Right "all itching sores, all belong to heart" Rethinking [J], Guangzhou University of Chinese Medicine, 2005,22 (6):491
- [3] TRADITIONAL Chinese medicine basic theory. [M]. Beijing. Chinese Medicine Press, 2007.104
- [4] Ma Baozhang. TCM gynecology. [M]. Shanghai, Shanghai Science and Technology Press, 2006.93

Effect of tanshinone IIA in the role of cell adhesion endometrium of endometriosis in vitro

Huifang Cong Yufei wang

The Second Affiliated Hospital of Heilongjiang University Of Chinese Medicine haerbin China

Abstract. Purpose: The endometriosis sickness is one of Chinese medicine gynecology department difficult sickness. The mechanism of its development is not clear and no satisfactory treatment has been found currently. Currently most Chinese scholars think that blood stasis block is the main cause of the disease, for activating blood circulation and eliminating stasis its basic treatment method. Modern research proves endometrial can be grown in other cities, required to pass through "Attachment-Aggression-Angiogenesis" three pathological process, the mechanism of the molecular level research suggests, blocking one of the three, can affect uterus the formation and

development. Eutopic endometrium is the key of endometriosis, the decision factors of endometriosis is the difference of Eutopic endometrium. Adhesion is the first step of endometriosis formed. So we choose to put the medicine in the Eutopic endometrium directly, researching the influence of the attachment effect with the medicine, and we hope that we can preventing this disease from the "source". This project had successful completing the culture of Eutopic endometrium cell of endometriosis, and putting Tanshinone IIA on the Eutopic endometrium, researching the influence of the attachment effect with Tanshinone IIA.

Methods:

1. Refer to method to culture cells of Ryan, we successfully established Eutopic endometrium cell of endometriosis in vitro model.

2. We put different concentrations of Tanshinone IIA on the Eutopic endometrium cell of endometriosis, Using the western blot method to test protein content of expression of E-cadherin, CD44V6, ICAM-1.

Result:

1. This study confirmed that training of the two groups of different period of Eutopic endometrium and training of the two groups of different seasons both had statistical significance. $P < 0.05$. But training of the two groups of different ways of getting material of Eutopic endometrium had no statistical significance, $P > 0.05$.

2. Protein of E-cadherin, CD44V6, ICAM-1 in Control group are high expression, comparing with this group, High dose group of Tanshinone IIA had lower expression, $p < 0.01$; Middle dose group and low dose group of Tanshinone IIA had lowest expression, $p < 0.05$.

Conclusion :

It is possible to establish Eutopic endometrium cell of endometriosis in vitro model.

This study had proved that Tanshinone IIA can improve the Protein of E-cadherin, CD44V6, ICAM-1, Tanshinone IIA maybe stop the happen and the development of endometriosis.

Key words: Tanshinone IIA; endometriosis; Eutopic endometrium; Attachment effect.

With the growth of endometrial tissue function, including other parts of endometrial glands and stroma appear outside of the uterine cavity, called the uterine endometrium in endometriosis. The main clinical manifestations were secondary, progressive dysmenorrhea, irregular menstruation, infertility, sexual intercourse pain, anal bulge and other symptoms, Endometriosis is similar to malignant tumor metastasis and plant growth ability of ^[1], clinical often showed infiltration, metastasis, recurrence of destruction of malignant lesions, pathologic benign but clinical malignant, benign and malignant forms of behavior, so called "benign cancers." In women of childbearing age incidence rate is up to 10%~15%, and showed a rising trend, 80% of the patients had obvious dysmenorrhea, 50% complicated with infertility, 84% with chronic pelvic pain. The severe influence reproductive age women's health and quality of life, is the impact of global problems.

The etiology and pathogenesis of EMS is unclear, with the further research, most scholars think that the endometriosis is a multifactorial disease, is associated with immune, genetic, endocrine, environmental factors. The research team to lead our country famous expert of Department of gynaecology and obstetrics professor Lang Jinghe through the study found: the endometrium in abdominal and pelvic peritoneum and organ breakthrough "line of defense", in the "exotic" rooting, growth and sick, After Attachment, i Aggression and Angiogenesis three pathological process, called the "3A mode", And the eutopic endometrium of "3A" is obviously enhanced, the intimal countercurrent after entering the peritoneal cavity, to break through the body's defense system, leading to the occurrence of ^[2] disease. Professor Lang Jinghe proposed "determinant of uterine eutopic endometrium" ^[3] also confirmed, different people (EMS patients and non EMS patients retrograde menstruation or menstrual blood) in endometrial fragments could be

"different" adhesion, invasion, growth, is the key difference between eutopic endometrium, eutopic endometrium of endometriosis is a decisive factor of occurrence disease and endometriosis recurrence. Chinese medicine treatment of endometriosis in clinical advantages unique increasingly medical attention. In the experiment of tanshinone IIA in endometriosis patients, to study its effect on endometrium adhesion.

Materials and methods

1. Patients with endometriosis eutopic endometrial cells and cells of normal endometrium culture
2. Effects of Tanshinone IIA in eutopic endometrium adhesion index of endometriosis
3. Refer to method to culture cells of Ryan, we successfully established Eutopic endometrium cell of endometriosis in vitro model.
4. We put different concentrations of Tanshinone IIA on the Eutopic endometrium cell of endometriosis, Using the western blot method to test protein content of expression of E-cadherin, CD44V6, ICAM-1.

Results and discussion

1. This study confirmed that training of the two groups of different period of Eutopic endometrium and training of the two groups of different seasons both had statistical significance. $P < 0.05$. But training of the two groups of different ways of getting material of Eutopic endometrium had no statistical significance, $P > 0.05$.

2. Protein of E-cadherin, CD44V6, ICAM-1 in Control group are high expression, comparing with this group, High dose group of Tanshinone IIA had lower expression, $p < 0.01$; Middle dose group and low dose group of Tanshinone IIA had lowest expression, $p < 0.05$.

3. This study successfully established the cell culture model in vitro of patients with endometriosis eutopic endometrial cells of the uterus.

4. The experimental results showed that IIA could increase the content of tanshinone endometriosis eutopic endometrial cell adhesion protein E-cadherin, CD44v6 and ICAM-1 in the occurrence and development of uterine, may prevent the endometriosis.

References:

- [1]. Le Jie. Obstetrics and Gynecology [M]. 7 edition. Beijing: People's Medical Publishing house, 2008: 325-331.
- [2]. Cramer DW, Missmer SA. The ePidemiology of endometriosis [J]. Ann N Y Acad Sci. 2002; 955: 11-22.
- [3]. Lang Jinghe, and clinical study of endometriosis foundation problems [J]. Chinese Journal of Practical Gynecology and obstetrics. 2002, 18 (3): 129-130.

The role of CAPN5 in the pathogenesis of endometriosis

Huifang Cong, Tianchan Zhang

The Second Affiliated Hospital of Heilongjiang University Of Chinese Medicine, haerbin, china

Abstracts: To establish endometriosis endometrial glandular epithelial cells and stromal cells in vitro co-culture model. To determine and compare expression of Calpain5 in each group with Western blot. Identification of endometrial cell by immunocytochemistry. The results were confirmed using western blot, a decrease in Calpain5 protein, respectively, in endometriosis compared with endometrium obtained from controls ($P < 0.05$). Ecreased apoptosis in the eutopic endometrium of women with endometriosis compared with endometrium obtained from controls implicate that, aberrant expression of CAPN5 is associated with endometriosis