EFFECT OF CHINESE MEDICINE YIQI HUOXUE JIEDE METHOD ON THE EXPRESSION OF INFLAMMATORY CYTOKINES IN PATIENTS WITH SEVERE SEPSIS

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Abstract: Sepsis is a syndrome of life-threatening organ dysfunction caused by host reaction caused by loss of control. At present, the treatment of sepsis has made great progress, but the effect is poor, the mortality rate is still high. It is necessary to find a drug that can effectively prevent or treat sepsis drugs have been urgent. Chinese medicine plays a role that can not be ignored in the treatment of sepsis, the efficacy of patients after treatment is more significant. Chinese medicine preparations HuaXian capsules has the effect of Yiqi Huoxue Jiedu. Through the clinical experimental study shows that sepsis on the basis of routine treatment of Western medicine with HuaXian capsules in Yiqi Huoxue Jiedu method, can make the patient’s inflammatory cytokine expression level was significantly reduced, with good clinical efficacy.

key words: Yiqi Huoxue Jiedu method; Sepsis; Inflammatory Cytokines; TNF-a, IL-6 and IL-10

Objective: To observe the effect of Chinese medicine Yiqi Huoxue Jiedu method on the expression level of TNF-a, IL-6 and IL-10 in patients with severe sepsis.

Materials and methods: The patients in this study were provided by the Department of critical medicine of our hospital, 70 patients with sepsis from January 2015 to December 2016 were randomly divided into control group (n=36) and treatment group (n=34). All patients met the diagnostic criteria for sepsis developed by the 2012 edition of the "International Guidelines for Severe Septic and Septic Shock Management" and informed family and family informed consent.

All patients were treated in accordance with the principle of the 2012 edition of "International Guidelines for Severe Septic and Septic Shock Management": (1) the control group was given routine treatment of sepsis: (2) the treatment group was treated with Yiqi Huoxue Jiedu method Huaxian Capsule on the basis of routine treatment of Western medicine, the Chinese medicine compound preparation composed of ginseng, Astragalus salvia, angelica, chuanxiong, Poria, Atractylodes, radix rehmanniae, licorice and other drugs, this prescription has the effect of Yiqi Huoxue Jiedu. Take the above Chinese medicine compound preparation composed of ginseng, Astragalus salvia, angelica, chuanxiong, Poria, Atractylodes, radix rehmanniae, licorice and other drugs, this prescription has the effect of Yiqi Huoxue Jiedu.

Results and discussion

There was no significant difference in the concentrations of TNF-a, IL-6 and IL-10 between the two groups before treatment (∑ 0.05). The concentration of TNF-a, IL-6 and IL-10 in the two groups of sepsis patients decreased after treatment, and the decrease rate of the treatment group was significantly higher than that of the control group (P < 0.05); The duration of ICU was significantly shorter in the treatment group than in the control group (P < 0.05); The APACHE II score of the treatment group was significantly lower than that of the control group (P < 0.05). The mortality rate at 28 days was lower than that of the control group.

This study shows that using Huaxian capsule with Yiqi Huoxue Jiedu method in the treatment of sepsis patients can improve clinical efficacy, compared with the treatment group and control group, patients in the treatment group can shorten the ICU time, reduce the APACHE II score, these sepsis patients TNF-a, IL-6, IL-10 serum concentrations were reduced, reducing the mortality.

References:


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FIVE 1 TECHNOLOGY FINDINGS IN THE PERMEATION RATE OF APPLICATION AT ACUPUNCTURE

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Abstract Objective The acupoint is an important role in the traditional Chinese medicine. However, it is unclear that the potential mechanism of acupoint effect, and whether had other characters. We conjecture that acupoint application can enhance the permeation rate of skin.

Methods This study, we through application fluorochrome at Zusanli (ST 36) and general site of rabbits and employ Fluorescence in vivo Endomicroscopy (FIVE 1) to obtain the images of connective tissue under the skin. And compare the fluorescence images of acupoint and general site in 5, 10 and 15 min.

Results The acupoint group was more quickly to achieve the fluorescence intensity which could to observe the connective tissue.

Discussion It is revealed that application at Zusanli (ST 36) could improve the permeation rate of fluorochrome.

Key words: acupoint application, Zusanli (ST 36), FIVE 1

Acupoint is an important role in the traditional Chinese medicine, and it is the basis of manipulation and acupuncture. It has been employed to treat various diseases more than 2000 years in East Asia by inserting and manipulating in acupoints.1 Acupuncture has become an important complementary and alternative medicine treatment in western countries. However, the potential mechanism of acupoint has been difficult to illuminate. Thus, we conjectured that application at acupoint could change the permeation rate of skin.

Objective To assess the permeation rates of acupoint and general site employ the FIVE 1, and it will reveal the advantage of acupoint application.

Materials and methods At first, injected anesthetics in ear marginal vein to anesthetize. Random choice five rabbits as test group to point application fluorochrome at Zusanli (ST 36), and the others five rabbits as control group were application fluorochrome at the general site which was in the left 2 cm of ST 36. Then FIVE 1 probe was pierced at the subcutaneous tissue to observe the level of permeability of fluorochrome for 5, 10 and 15 min.

Results and discussion After 5 min, the images of connective tissue were shown as Fig. 2. The fluorescence intensity of Zusanli (ST 36) group was enough to observe the characteristic of connective tissue, and the general site group was too dark to be able to observe the connective tissue.

Fig. 2 The images of connective tissue. a was the Zusanli (ST 36) image; b was the general site group image.

As shown in Fig. 3. After 10 min, the connective tissue of two groups was all clear, but Zusanli (ST 36) group was more brightly than control group.