



### Effects of Yanlieping Formula on Mice with Chronic Bacterial Prostatitis (Abstract)

Xue CM, Zhu Q, Xu ZD.

Chinese Traditional Surgery Department, Shuguang Hospital, Shanghai University of Traditional Chinese Medicine, Shanghai 200021, China

#### Objectives

To study the mechanism of Yanlieping Formula in treating chronic nonbacterial prostatitis.

#### Methods

Thirty-two C57BL/6 mice were divided into Chinese traditional Medicine group (Yanlieping group, 10 mice), treatment control group (Cernilton group, 10 mice), model group (6 mice) and normal group (6 mice). The animal model was created by using immunologic adjuvant, and Yanlieping (0.84 g per mouse), Cernilton (7.5 mg per mouse), distilled water (1.05 ml per mouse) and distilled water (0.5 ml per mouse) were respectively administered to the four groups every day for one month. The prostate weight, pathological changes, TNF-alpha and IL-2 in serum were observed.

#### Results

The prostate weight in Yanlieping group and Cernilton group became significantly lower than in the model group ( $P < 0.05$ ). Pathologic sign of chronic inflammation became better significantly (Yanlieping group showed more significant improvement). The expression of IL-2 in Yanlieping group and Cernilton group were down regulated significantly. And the expression of TNF-alpha in Yanlieping group was higher than that of the model group ( $P < 0.05$ ).

#### Conclusions

The mechanism of Yanlieping Formula in treating chronic prostatitis may lie in the max urethral close pressure reduction, anti-inflammation, local blood circulation improvement.

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