

Clinical Study on the Treatment of Male Immune Infertility by Huzhangdanshenyin

OBJECTIVE: To investigate the efficacy of the Chinese medicine Huzhangdanshenyin on male immune infertility, and provide an effective therapy for this disease. **METHODS:** Ninety men with immune infertility were selected as the research subjects and randomly divided into two groups, 60 in the treatment group, treated by Huzhangdanshenyin, and the other 30 in the control, treated by prednisone, both for 3 months. The improvement of clinical symptoms, immunologic indexes (antisperm antibodies in serum and seminal plasma) and sperm indexes (semen liquefied duration, motility, viability, density and abnormal morphology rate) were observed and the results analyzed.

RESULTS: The total antisperm antibody reversing ratio of the treatment group was higher than that of the control ($P < 0.01$), especially the serum antisperm antibody reversing ratio. There were significant differences in the clinical cure rate and total validity rate between the treatment group and the control ($P < 0.01$).

After the treatment, the markers of the clinical symptoms ($P < 0.01$), especially the serum antisperm antibody reversing ratio. There were significant differences in the clinical cure rate and total validity rate between the treatment group and the control ($P < 0.01$). After the treatment, the markers of the clinical symptoms were lower ($P < 0.01$), and the improvement of the clinical symptoms was better in the treatment group than in the control ($P < 0.01$), especially the symptoms of pain in the back and knees, distending and bearing-down sensation of the perineum and testis, hypersexuality and topoalgia.

Compared with pre-treatment, sperm motility and viability of the treatment group significantly improved ($P < 0.01$), and so did sperm density ($P < 0.05$). However, there were no significant differences in sperm density, semen liquefied duration, abnormal morphology rate and pH ($P > 0.05$) before and after the treatment.

CONCLUSION: The Chinese medicine Huzhangdanshenyin works more effectively than prednisone in the treatment of male immune infertility. It could improve the antisperm antibody reversing ratio, clinical symptoms and signs and ameliorate sperm indexes with no obvious adverse effects.

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