Immunity regulation of peroxidase antibodies in Hashimoto's thyroiditis: Effects observation of Jinshuibao capsule

TAN Li-ling
(Endocrinology Department, Affiliated Hospital of Hainan Medical College, Haikou 570102, Hainan)

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[Author]: TAN Li-ling (1972 -), Female, Guangdong, M. B., Deputy Director, Tel: 13637557029, E-mail: tantiling72@126.com.

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View from specialist: It is creative, and of certain scientific and educational value.

[ABSTRACT] Objective: To investigate the effects of Jinshuibao capsule for immunity regulation of peroxidase antibodies in Hashimoto's thyroiditis. Methods: A total of 47 patients with Hashimoto's thyroiditis were randomly divided into treatment group (26 cases) and control group (21 cases). The control group was only required to have low-iodine diet, and comply to lifestyle intervention, while the treatment group was also given oral Jinshuibao capsules, 3 times per day. Chemiluminescence was used to detect the serum free three triiodothyronine (FT3), free thyroxine (FT4), thyrotropin (TSH), thyroid peroxidase antibody (TPOAb), thyroglobulin antibody (serum TGAb) of both groups before and after treatment for comparison. Results: After 28 weeks of treatment, the treatment group showed significant decrease in TPOAb, serum TGAb comparing with levels before treatment or comparing with levels of the control group (P both <0.01). Conclusions: Jinshuibao capsule can significantly reduce the serum TGAb TPOAb titer in patients with Hashimoto's thyroiditis.

[KEY WORDS] Jinshuibao capsule; Hashimoto's thyroiditis; Peroxidase antibody