Effect and of Jingxin Zhidong Fang on neuropeptides and autoimmunity of twitch disorder children

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

[ABSTRACT] Objective: To observe the effect of Jingxin Zhidong Fang on treatment of twitch disorder (TD) children; to probe the correlation of TD to angioneurotic inflammation (substance P) and autoimmune factors (IL - 2, IL - 8, IgA, IgG and IgM). Methods: Children with TD were treated with Jingxin Zhidong Fang, then the effect were assessed by Yale Global Tic Severity Scale before and after treatment; serum substance P, IL -2, IL -8, IgA, IgG and IgM in TD children were measured before and after treatment, and compared with those of health children. The relationship between TD and neurogenic or autoimmune inflammation were also analyzed. Results: There were significant differences in YGTSS quantity index and ADHD index before and after treatment (P<0.05); there were significant differences in serum substance P, IL - 2, IL - 8, IgA, IgG and IgM before and after treatment also (P<0.05). Conclusions: Jingxin Zhidong Fang is effective on treatment of TD, and TD is correlated with serum substance P, IL -2, IL -8, IgA, IgG and IgM, but the detailed correlation needed to be further studied.

[KEY WORDS] Twitch disorder; Neuropeptides; Autoimmune; Jingxin Zhidong Fang