Evaluation of combined effects of brain electronic biofeedback training and psycho-behavior intervention in ADHD affected children.

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Abstract

BACKGROUND:
The present study aimed to explore the potential effects of brain electronic biofeedback training in combination with psycho-behavior intervention during non-medical treatment of children with attention deficit hyperactivity disorder (ADHD).

METHODS:
The children with ADHD admitted to our department from January 2015 to January 2016 were selected as the study subjects. All the cases met the standard of Chinese classification of mental disorders criterion and were divided into two groups -- the control group and the observation group, with 15 cases in each group. Medical treatment and brain electronic biofeedback training were provided for the children in the control group; while medical treatment and brain electronic biofeedback training in combination with psycho-behavior intervention were provided to children in the observation group. For the both groups, one course lasted for three months, after which questionnaires were distribute in order to evaluate the application effects.

RESULTS:
The symptoms of the children in the two groups were improved after the treatment. However, the improvement in observation group was significantly higher that of the children in the control group.

CONCLUSION:
Brain electronic biofeedback training in combination with psycho-behavior intervention is significantly better treatment option for children affected with ADHD.