Value of total IgE, EOS and pulmonary function detection in diagnosis of cough variant asthma in children

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

[ABSTRACT] Objective: To explore the value of total IgE, EOS and pulmonary function detection in diagnosis of cough variant asthma (CVA) in children. Methods: A total of 35 cases of children with CVA and 35 cases with asthma in attack stage were selected, another 35 cases of healthy children were selected as the control group. The levels of serum total IgE, peripheral blood EOS and pulmonary function were detected and analyzed. Results: The levels of total IgE and EOS in CVA group and asthma group were obviously higher than that in control group. The levels of EV1%, FEV1/FVC% and PEF% in CVA group and asthma group were lower than that in control group, but there was no obvious difference. The levels of FEF25%, FEF50% and FEF75% in CVA group and asthma group were obviously lower than that in control group. After inhalation, the levels of FEF25%, FEF50% and FEF75% in CVA group and asthma group obviously improved than that before inhalation, but there was no obvious difference in levels of every index in control group before and after inhalation. Conclusion: The detection of serum total IgE, peripheral blood EOS and pulmonary function in children with suspected CVA can increase the accuracy of diagnosis, and shows high security and safety. It's worth to be popularized.

[KEY WORDS] cough variant asthma; child; diagnosis; pulmonary function