Effect of montelukast sodium in combined with budesonide on infantile cough variant asthma

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

[ABSTRACT] Objective: To observe the clinical efficacy of montelukast sodium in combined with budesonide in treating infantile cough variant asthma (CVA). Methods: A total of 100 children with CVA admitted in our hospital from January, 2013 to December, 2013 were enrolled in our study and randomized into the treatment group and the control group. The children in the treatment group received the combination treatment of montelukast sodium and budesonide, while the children in the control group were given budesonide inhalation therapy. The children in the two groups were treated for 3 weeks. The improvements of symptom scores and lung function in the two groups before and after treatment were observed. The cough relieving and disappearing time, the average treatment time, and the recurrence one year after treatment in the two groups were compared. Results: The symptom scores and various indicators of lung function in the two groups after treatment were significantly improved when compared with those before treatment (P<0.05), the improvement of symptom scores and lung function in the treatment group was more obvious than those in the control group (P<0.05). The cough relieving and disappearing time, and the average treatment time in the treatment group were significantly shorter than those in the control group (P<0.05). The recurrence rate one year after treatment in the treatment group was significantly lower than that in the control group (P<0.05). Conclusions: Montelukast sodium in combined with budesonide in treating infantile CVA can effectively alleviate the asthma symptom, and shorten the treatment time with an accurate curative effect.

[KEY WORDS] Montelukast sodium; Budesonide; Inhalation; CVA; Treatment