

## عنوان مقاله:

Acute Bronchiolitis Treatment: A Comparison of Montelukast, Aminophylline and Ventolin in Pediatric Patients: A Clinical Trial Study

## محل انتشار:

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## خلاصه مقاله:

Background: The effects of various drugs on reducing the severity of bronchiolitis symptoms in children have been identified. We sought to make a comparison of Montelukast, Aminophylline and Ventolin (Intravenous Salbutamol) in the treatment of acute bronchiolitis in patients ranged between ۱ and ۲۴ months old. Materials and Methods: This study used a randomized clinical trial method. Statistical population of the study included all patients younger than ۲ years and older than one month who were admitted to Ali-Ibn-Abitaleb Hospital in Zahedan-Iran. Two hundred patients were divided into four groups using a random number table method. The first group received supplemental monotherapy with Montelukast ۴ mg/kg daily for ۷ days. The second group received ۱ mg/kg Aminophylline injection every ۱۲ hours. The third group or the control group received supportive measures. The fourth group received ۰.۱۵ mg/kg Ventolin Nebules with dose of ۲.۵ mg. Symptoms were measured on days ۲، ۵ and ۷، and the number of hospital admissions days was also assessed in four groups and compared. Results: The results showed that the consumption of Montelukast and Ventolin Nebules had no significant effect on bronchiolitis treatment in comparison with the control group ( $P > 0.05$ ). Using Aminophylline did not reduce the symptoms of bronchiolitis in comparison with the control group ( $p < 0.05$ ). The results also showed that using aminophylline in group B did not produce better results in decreasing the severity of the symptoms of bronchiolitis in comparison with Montelukast group and Ventolin group ( $p < 0.05$ ). Conclusion The results showed that consumption of Aminophylline, Montelukast and Ventolin had no significant effect on bronchiolitis in comparison with the control group.

## کلمات کلیدی:

Aminophylline, Bronchiolitis, Montelukast, Pediatric, Ventolin

## لینک ثابت مقاله در پایگاه سیویلیکا:

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