

**MEETING ABSTRACT**

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# Side effects of the leukotriene receptor antagonists in asthmatic children

Demet Can\*, Semiha Bahceci Erdem, Hikmet Tekin Nacaroglu, Canan Sule Unsal Karkiner, Ilker Gunay

From 3rd WAO International Scientific Conference (WISC) 2014  
Rio de Janeiro, Brazil. 6-9 December 2014

## Background

Leukotriene receptor antagonists (LTRAs) are drugs which have been widely used more than ten years. As the use of LTRAs increases, our knowledge with respect to their side effects increases as well.

Objective: Our study was aimed to evaluate the observed side effects of LTRAs used in patients with asthma.

## Methods

1024 patients who were only treated with LTRAs owing to asthma or early wheezing were included in the study for a five-year period. The observed side effects of LTRAs in these patients were retrospectively investigated. The side effects were divided into two parts as psychiatric and non- psychiatric.

## Results

It was found out that 67.5% of 41 (4%) patients in whom side effects were observed was male and their average age was 6.5. The rate of patients with asthma was 63.41% and it was 36.58% for patients with early wheezing. It was determined that sex, age and diagnosis (early wheezing or asthma) of the patients were ineffective in the emergence of side effects. The average period for the emergence of side effects was the first month. It was observed that hyperactivity was the most frequently seen psychiatric side effect and abdominal pain was the non-psychiatric side effect.

## Conclusions

The side effects of LTRAs were common in children. Therefore, patients must be informed at the beginning of the treatment and they must be evaluated at certain intervals.

Published: 8 April 2015

doi:10.1186/1939-4551-8-S1-A6

**Cite this article as:** Can et al.: Side effects of the leukotriene receptor antagonists in asthmatic children. *World Allergy Organization Journal* 2015 8(Suppl 1):A6.

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Behcet Uz Children Hospital, Turkey



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