

Evaluation of Symptoms, Laboratory Findings, and Natural History of IgE Mediated Wheat Allergy

Authors : Soudeh Tabashi, Soudabeh Fazeli Dehkordy, Masood Movahedi, Nasrin Behniafard

Abstract : Introduction: Food allergy has increased in three last decades. Since wheat is one of the major constituents of daily meal in many regions throughout the world, wheat allergy is one of the most important allergies ranking among the 8 most common types of food allergies. Our information about epidemiology and etiology of food allergies are limited. Therefore, in this study we sought to evaluate the symptoms and laboratory findings in children with wheat allergy. Materials and methods: There were 23 patients aged up to 18 with the diagnosis of IgE mediated wheat allergy that were included enrolled in this study. Using a questionnaire .we collected their information and organized them into 4 groups categories of: demographic data identification, signs and symptoms, comorbidities, and laboratory data. Then patients were followed up for 6 month and their lab data were compared together. Results: Most of the patients (82%) presented the symptoms of wheat allergy in the first year of their life. The skin and the respiratory system were the most commonly involved organs with an incidence of 86% and 78% respectively. Most of the patients with wheat allergy were also sensitive to the other type of foods and their sensitivity to egg were most common type (47%). in 57% of patients, IgE levels were decreased during the 6 month follow-up period. Conclusion: We do not have enough information about data on epidemiology and response to therapy of wheat allergy and to best of our knowledge no study has addressed this issue in Iran so far. This study is the first source of information about IgE mediated wheat allergy in Iran and It can provide an opening for future studies about wheat allergy and its treatments.

Keywords : wheat allergy, food allergy, IgE, food allergy

Conference Title : ICSRD 2020 : International Conference on Scientific Research and Development

Conference Location : Chicago, United States

Conference Dates : December 12-13, 2020