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Allergic rhinitis and other allergic and autoimmune disorders in children with iga deficiency

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Selective IgA immunodeficiency is the most frequent primary antibody deficiency. Serum IgA level is decreased or even completely absent, while IgM and IgG antibodies display normal serum levels. [1] IgA plays an important role in immune protection in gastrointestinal and respiratory tract. Patients with selective IgA immunodeficiency can be asymptomatic (>50% of cases) and suffer from recurrent gastrointestinal and respiratory infections, allergies and autoimmune diseases. [2] Allergic rhinitis (AR) is the most common cause of chronic rhinitis. Characteristic feature of allergic rhinitis is eosinophilic inflammation of nasal mucosa. Several studies have shown that IgA represents a potent trigger of eosinophil degranulation, while others have shown that IgA immunodeficiency is a well-known risk factor for atopy. [3-4] Aim of this study was to evaluate the frequency of allergic rhinitis and other allergic and autoimmune disorders in children with IgA immunodeficiency to secure proper management of the condition to prevent complications and improve patients' quality of life.

Biography

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