P20 LINK: ALLERGIC RHINITIS, ASTHMA & SLE

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Purpose of Study The purpose of this study is to describe a link with allergic rhinitis, asthma and SLE..Allergy and autoimmunity results from this dysregulation. Allergens leads to i inflammation of mast cells via IgE-allergen and immune complexes linked with SLE. Type I allergy, Th2-driven disease based on IgE recognition of environmental allergens occurs in allergic rhinitis and asthma.

Methods Used A described case report in a 49 year old Hispanic man with a history of SLE, diagnosed with Raynaud's, childhood asthma,, mental retardation, depression, pancreatitis and referred for a generalized rash for many years, unrelieved by albuterol steroid creams, sneezing, and nasal congestion.

Summary of Results Type I and, Th2 allergy, environmental allergens occurs in allergic rhinitis and asthma. Autoimmunity and environmental stresses contribute to both allergic and autoimmune diseases. SLE is a conditione

Auto allergy in atopic dermatitis Hradetzky S et al
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Autoallergy in atopic dermatitis. Autoallergens like α -NAC or Trx may be released from skin cells by environmental factors, wounding and/or scratching. The mechanism of molecular mimicry may underlie the sensitization against rx, showing high sequence homology to the allergen Mala s 13 of the skin colonizing yeast *Malassezia sympodialis*.

Abstract P20 Figure 1 Autoallergy in Atopic Dermatitis

due to interactions between genes, environment, and abnormalities of the adaptive immunity. T cells, polyclonal B cell activation, hypergammaglobulinemia, autoantibodies and immune complexes. Asthma and autoimmune disease are associated with increased incidence of ANA's suggesting the disease may have an autoimmune basis.

Our case describes a 49 year old man with SLE, diagnosed with Raynaud's, childhood asthma, mental retardation, depression, pancreatitis and referred for a generalized rash sneezing, and nasal congestion,. Physical exam revealed normal vitals, bald head, diffuse facial skin freckles erythematous nasal turbinates, dermatitis of the lower extremity, normal cardiac finding, no wheezing or Raynaud's, + abdominal tenderness, sIgE testing was performed for allergic rhinitis.

Conclusions This interesting case illustrates a clear link with symptoms of allergic rhinitis, asthma and SLE.