



AUTOIMMUNE CONNECTIVE TISSUE DISEASES

MULTIPLE AUTOIMMUNE SYNDROME ----A CHILD WITH PSORIASIS, ALOPECIA AREATA, AND VITILIGO

Min Lin⁽¹⁾ - Yonghong Lu⁽²⁾

Zunyi Medical College, Zunyi, The Graduate School, Zunyi, China⁽¹⁾ - Chengdu Second People's Hospital, Chengdu, Department Of Dermatology, Chengdu Second People's Hospital, Chengdu, China⁽²⁾

Background: Multiple autoimmune syndrome (MAS) is a rare condition, in which at least three well-defined autoimmune diseases co-occur in a single patient, the pathogenesis of MAS remains poorly understood. We herein describe a rare case of MAS presenting with psoriasis, vitiligo, and alopecia areata in a child.

Observation: A 11-year-old Chinese boy presented to our clinic in February 2018 with skin patches and scaly plaques on the both Lower limbs. The left limb skin biopsy revealed parakeratosis and regular acanthosis, with elongated and clubbed rete ridges. Suprapapillary thinning of the epidermis, and dilation of the capillaries of the dermal papillae were observed. Perivascular lymphocyte infiltration in the upper dermis was apparent. In addition to psoriasis, he had a 5-year history of alopecia areata of the left temporal, and a 3-year history of vitiligo of the frontal, parietal scalp. No finding suggestive of any type of connective tissue or rheumatic disease was evident. The patient had no relevant familial history. The diagnosis of this case: Multiple autoimmune syndrome ----a child with psoriasis, alopecia areata, and vitiligo.

Key message: MAS, first described by Humbert and Dupond in 1988, is a rare condition, in which at least three well-defined autoimmune diseases co-exist in a single patient. MAS is usually classified into three subtypes in terms of the nature of the co-occurring diseases. The skin diseases include vitiligo, alopecia areata, pemphigus and bullous pemphigoid, psoriasis, dermatitis of systemic lupus erythematosus (SLE), scleroderma, herpes simplex and so on. Alopecia areata, vitiligo, psoriasis are common diseases in dermatology, but a child with the above three kinds of diseases is rare.

