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**INTRODUCTION & OBJECTIVES:** Linear psoriasis is a rare clinical presentation of psoriasis which characterized by linear lesions of psoriasis along the lines of Blaschko.

**MATERIAL & METHODS:** A 20 year old man presented with asymptomatic linear and S-shaped erythematous, scaly plaques on right side of his trunk. The plaques were arranged along the lines of Blaschko with a sharp midline demarcation. The lesions were first noticed in childhood as erythematous and non-scaly plaques but they progressively became thick with silvery white scale. There was no involvement of nail and scalp and no family history of psoriasis. The histologic examination of a skin biopsy showed parakeratosis, regular acanthosis with elongation of rete ridges, supra papillary thinning, absence of granular layers and microabscesses of Munro.

**RESULTS:** The histologic examination allowed the diagnosis of psoriasis. An ointment of calcipotriol with betamethasone was prescribed for 2 months. A moderate clinical improvement was achieved by reduction in thickness and scale of lesions. Although patient was satisfied with the treatment.

**CONCLUSIONS:** Linear psoriasis is a rare variant of this disease that was first described in 1951. There are limited number of case reports in literature. It may be superimposed on lesions of psoriasis vulgaris or can presented as an isolated lesion. There is some doubt about the distinction between linear psoriasis and inflammatory linear verrucose epidermal nevus (ILVEN). Also, the histopathologic examination in addition to clinical characteristics allowed to some degree distinction between these two entities.