



PSORIASIS

## A GENERALIZED BLASCHKO LINEAR CONGENITAL ERUPTION

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Background: Blaschko's lines are trace of the migration of primordial cells to the ectoderm during embryogenesis.

Observation: A 30-year-old female patient presented at birth with erythroderma and generalized desquamation that progressively acquired a linear distribution, under Blaschko's lines. The patient began follow-up at the age of 16, used cyclosporine, methotrexate and acitretin with no response. Dermatological examination shows papules and confluent erythematous plaques, associated with desquamation, following Blaschko's lines throughout the cutaneous surface, face and scalp. (Figures 01)

Histopathology shows a high proliferative index, regular acanthosis, and neutrophils in the corneal layer-Munro microabscesses-via hematoxylin-eosin staining. There was CD4 and CD8 in the dermal infiltrate. CD10 was weakly expressed in basal cells. CD45 was expressed in T lymphocytes. The MIB antibody showed strong expression in the epidermis. (Figure 02) Molecular biology research showed expression heterozygosity of all the alleles surveyed: HLA-A\*23 and A\*29; B\*07 and B\*15; C\*02 and C\*07; DRB1\*13 and DRB1\*15; DQB1\*05 and DQB1\*06.

Clinical data point to inflammatory linear verrucous epidermal nevus (ILVEN) and generalized congenital Blaschko-linear psoriasis (GCBLP). A generalized presentation weakens the first hypothesis since a case of ILVEN with generalized distribution has never been reported. Histopathology strongly favors the hypothesis of GCBLP, but similar findings may be present in ILVEN. The HLA research makes us rethink the hypotheses. Patients with ILVEN, Ki-67 is lower expressed than psoriasis. And cytokeratin 10 and HLA-DR is higher expressed than in psoriasis. High concentrations of ICAM1, ELAM-1 and HLA-DR in ILVEN. In psoriasis, involucrin is found throughout the epidermis, except in the basal layer. Blaschko linear psoriasis is an exceptional form of psoriasis.

Key Message: Congenital psoriasis is extremely rare, there are 9 reports in a literature review; three contain lesions along the Blaschko's lines. We show the difficulty of formally establishing one or another diagnosis.

