

SKIN CANCER (OTHER THAN MELANOMA)

## A POIKILODERMIC MYCOSIS FUNGOIDES: A RARE VARIANT!

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Background: Mycosis Fungoides (MF) is the most common subtype of T-cell lymphoma presenting in the skin. It has multiple clinicopathological manifestations. We present an unusual variant with poikilodermic cutaneous lesions.

Observation: A 71-year-old male with a history of hypertension, ACFA, and aortic disease, presented to our outpatient clinic, with a 12-year-erythematous plaques on the trunk and limbs. Skin examination showed the presence of multiple rounded erythematous plaques of variable size ranging from 3 to 10 cm in diameter, with clear margins, delineating reserved areas of healthy skin, atrophic in places, associated with multiple telangiectasia and a reticulated pigmented center giving the appearance of poikilodermic lesions, located on the trunk and the limbs with a total affected surface reached of 40%. The rest of clinical examination was without any particularity. Histological examination of a biopsy taken from cutaneous lesions showed a malignant lymphocyte proliferation in the superficial dermis, made of atypical lymphocytes with hyperchromic nuclei of slightly increased size with irregular contours and sometimes surrounded by a clear halo, aligned in single file at the level of the basal layer, with images of epidermotropism. The immunohistochemical (IHC) study showed the presence of CD3-expressing T-cell atypical lymphocytes, as well as intra-epidermal T lymphocytes expressing CD4 in an intense, diffuse and focussed manner on CD8. The diagnosis of MF in its poikilodermic variant was retained.

Key message: Poikilodermic MF is rarely reported through literature. It was first described by Abraham Jacobi in 1906. This unusual variant seems to have some characteristics features compared to classic MF: A predilection for flexion and trunk areas, as well as our patient, an earlier onset, a significant association with lymphomatoid papulosis and a predominance of the CD8+ phenotype detected on IHC study.





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