# Hypopigmented Mycosis Fungoides: A Clinicopathological Study of 10 Patients From Jordan (Middle East)

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## ABSTRACT

**Background: Hypopigmented mycosis fungoides (HMF) is a recognized variant of Mycosis fungoides (MF) that resembles several inflammatory dermatoses. Clinical and histopathological features of HMF must be well-characterized to ensure early recognition, especially that such information is lacking in Jordan.**

**Methods: We retrospectively reviewed medical records of 10 HMF patients, from 2015 to 2022. Clinical and histopathological features were extracted, reviewed, and summarized.**

**Results: Our cohort comprised 6 males and 4 females. Male: female ratio 3:2. Mean age at diagnosis was 21.2. The most common location was the trunk. Half reported mild itching. All were treated with NB-UVB ,90% achieved a complete response to treatment, one lost follow up.**

**All biopsy specimens displayed hyperkeratosis, epidermal hyperplasia, mild superficial dermal perivascular lymphoid infiltrate, and disproportionate spongiosis. Lining of atypical lymphocytes at the dermal-epidermal junction was encountered in 90% and papillary dermal fibrosis in 60%. Immunohistochemical staining was performed on 7 specimens, with 57.1% CD8 predominance and 42.8% CD4 predominance.**

**Conclusion: HMF in the Jordanian population shares histopathological and clinical features with published reports. Our report emphasizes the importance of obtaining a skin biopsy when considering HMF. A common theme was the variability in latency periods before diagnosis emphasizing the delay in diagnosis. Further data and techniques must be studied and integrated to ensure timely diagnosis.**

**Keywords: Mycosis fungoides, hypopigmented mycosis fungoides, Cutaneous Lymphoma,**

**T- Cell, Jordanian population**

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