



DERMOSCOPY AND SKIN IMAGING

DERMOSCOPIIC FINDINGS OF NAIL INVOLVEMENT IN PATIENTS WITH LAMELLAR ICHTHYOSIS IN TUNISIA: IS DERMOSCOPY USEFUL?

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Introduction: Dermoscopy is a non-invasive diagnostic tool useful in the assessment of many dermatosis. We ought to describe the dermoscopic findings of different nail anomalies in patients with lamellar ichthyosis.

Objective: The aim of our study was to assess the main dermoscopic findings of nail anomalies in patients with lamellar ichthyosis.

Material and methods: A prospective study was conducted in the department of dermatology of Habib Thameur Hospital during 2 years (2016-2017) using 3 Gen DermLite DL4 including 10 patients with lamellar ichthyosis.

Results: Ten patients were involved in the study (4 men and 6 women). All our patients were diagnosed as lamellar ichthyosis and all of them were treated with emollients, keratolytics and oral retinoids. The main nail anomalies identified in 9 patients both clinically and dermoscopically were thickening of the nail plate, digital hippocratism trachyonychia and transverse leuconychia of many nails. Other dermoscopic findings included xanthonychia, presence of fissuring of the nail plate, subungual hyperkeratosis, Beau's lines, medium nail dystrophy, onychoschizia, filiform subungual hemorrhage and hyperkeratosis of the cuticle.

Conclusions: We describe the key dermoscopic findings of nail anomalies seen in patients with lamellar ichthyosis highlighting that onychoscopy could improve the diagnosis and follow-up of patients with this rare genodermatosis. Transverse leuconychia frequently seen in these patients could be attributed to the chronic intake of oral retinoids since the latter may alter the keratinization process of the nail plate by influencing nail matrix fuction.

