Sir,

A 10-year-old girl presented with a 3-month history of asymptomatic, progressively enlarging, brownish plaque over the inner sides of both ankles. The girl was otherwise in a good health. Her medical history and systemic examination were normal. Dermatological examination revealed a well-limited brownish plaque of 3 cm of diameter located symmetrically at the ankles (Fig. 1). The clinical diagnosis in our patient was challenging evoking: nummular eczema, morphea or lichen aureus (LA).

The polarizing dermoscopy examination (Dinolite®, MEDL7DW) showed coppery-red pigmentation on background, permeated by dark brown network (Fig. 2). In addition, punctuate vessels were seen especially in the periphery of the lesion (Fig. 2). The histological examination of skin biopsy revealed a band-like inflammatory infiltrate in the superficial dermis, composed of lymphocytes and histiocytes, associated with lymphocyte exocytosis, red blood cell extravasations and haemosiderin deposition leading to the diagnosis of LA (Fig. 3).

LA is a rare chronic pigmented purpuric dermatosis characterized by rust macules, papules or plaques, mainly on the legs. It occurs rarely during childhood [1]. The clinical diagnosis may be challenging leading to the practice of skin biopsy in order to rule out differential diagnosis. Zaballos et al have described, for the first time, 4 specific dermoscopic features in 3 cases of LA: (1) a grownish to coppery-red diffuse coloration of the background, (2) some gray dots, (3) round to oval red dots, globules and patches, (4) a network of brown or gray interconnected line [2]. Features (1), (3) and (4) were observed in our patient. Moreover two articles described the same dermoscopic features in two adults with LA [3,4]. Saito et al reporte, also, the same dermoscopic findings in a 3-year-old boy diagnosed with...
Suh et al evaluated the dermoscopic-pathological correlation in lesions of LA. The brownish to coppery-red diffuse coloration of the background may be correlated with dermal infiltrate of lymphocytes and histiocytes. The gray dots correspond to hemosiderin in the dermis. The round to oval red globules are the results of an increased number of blood vessels. The network of brownish to gray interconnected lines may correlate with hyperpigmentation of the basal cell layer and incontinentia pigmenti in the upper dermis [6]. Therefore, dermoscopy may help the clinician not only to confirm the diagnosis of LA but also to estimate the inflammation severity in order to better choose treatment.

Consent

The examination of the patient was conducted according to the Declaration of Helsinki principles.

The authors certify that they have obtained all appropriate patient consent forms. In the form the patient(s) has/have given his/her/their consent for his/her/their images and other clinical information to be reported in the journal. The patients understand that their names and initials will not be published and due efforts will be made to conceal their identity, but anonymity cannot be guaranteed.

REFERENCES


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