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INTRODUCTION

Capillary malformations are relatively often cutaneous vascular anomalies caused by dysregulation of vascular channel formation during embryogenic development. Bowen's disease, is defined by a precursor malignant neoplasm that remains confined to the epidermis and without evidence of dermal invasion. To the best of our knowledge, coexistence of a cutaneous capillary malformation with a skin malignancy is reported only once before. Herein, we present a case of cutaneous capillary malformation in a patient who had a pigmented Bowen in the same location.

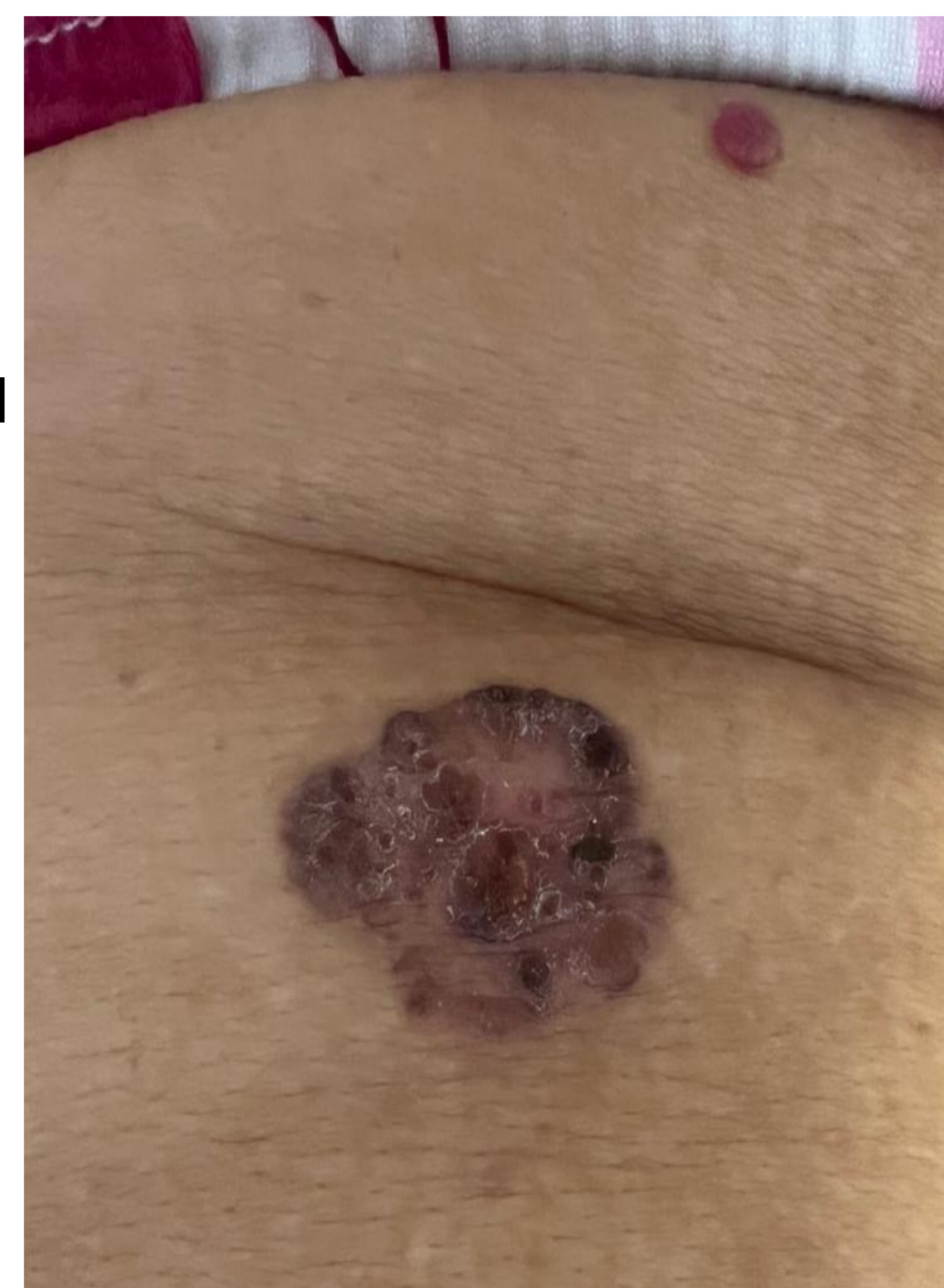
RESULTAS

A 64-year-old woman with no significant pathological history consulted for a pink-red bleeding nodule on her back associated with a scaly plaque that had been evolving for years and is progressively increasing in size. Dermatological examination of both lesions revealed respectively a fragile, pink-red nodule and nearby a slightly variegated brown plaque, sharply delineated, with surface scale. Dermoscopic examination of the nodule showed a peripheral whitish scale accompanied by a polymorphic vascular pattern on a diffuse milky red/white area without structure, in contrast dermoscopic examination of the brown plaque revealed a red-yellow background, small brown globules/dots arranged in patches or lines and white scales suggesting the diagnosis of Bowen. The 2 lesions were surgically removed and histological examination of the plaque revealed acanthosis with large abnormal squamous cells, a hyperchromatic nucleus, mitoses and cytonuclear atypia throughout the dermis, but not extending beyond the MB, consistent with the diagnosis of squamous cell carcinoma in situ or Bowen disease. Histological examination of the nodule showed a capillary malformation.

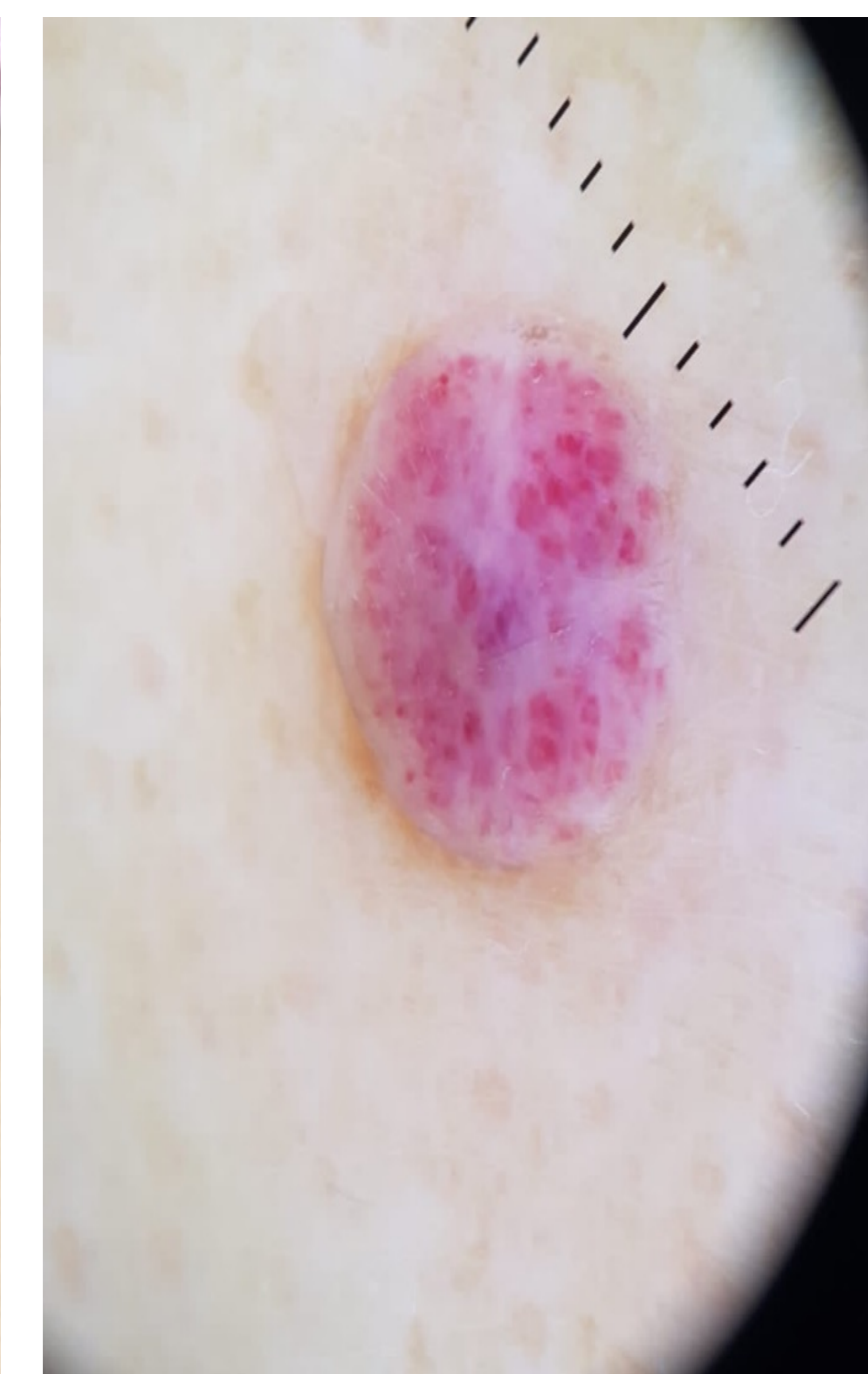
DISCUSSION

To the best of our knowledge, coexistence of a cutaneous capillary malformation with a skin malignancy is reported only once before that associated a plantar amelanotic melanoma and capillary malformation. On the other hand, Bowen's association with capillary cutaneous malformation has never been described, and our case is the first to describe this association. Bowen's disease or squamous cell carcinoma in situ is a precursor malignant neoplasm restricted to the epidermis. Clinically it most commonly presents as a pink scaly plaque. Exposure to ultraviolet radiation is the dominant causative factor, but exposure to chemicals, IS, and infection with human papillomavirus have also been implicated.

The pigmented variant of BD has been considered rare, and presents clinically as a non uniformly pigmented plaque with a scaly or verrucous surface that should be differentiated from seborrheic keratosis, pigmented actinic keratosis, solar lentigo, basal cell carcinoma, blue naevus, melanocytic naevi and melanoma; Glomerular vessels plus a scaly surface were the most frequent combination of criteria in pigmented and non-pigmented Bowen Disease (BD). In pigmented BD, small brown globules and/or homogeneous pigmentation can be seen in addition. Lichen simplex chronicus, psoriasis, eczema or superficial basal cell carcinoma (BCC) can be the clinical differential diagnosis of SCCIS. So, the final diagnosis is based on histological examination, which may show epidermal atypia with disordered architecture, abnormal mitoses, and dyskeratosis, but this disorganization does not penetrate into the dermis, and the dermo epidermal junction is intact. Since Bowen is a malignant lesion, it is essential to look for other suspicious lesions, both clinically and dermoscopically. And in our patient, we found an associated capillary malformation. They are clinically observed as reddish to purple macules, patches, or plaques. Gandonet al described dermatoscopic features of capillary malformations which most commonly demonstrated branched linear vessels upon a diffuse brown background in four patients. The coexistence of capillary malformation and bowen diseases with dermatoscopic features has not been reported before, Hence the need for a complete clinical and dermoscopic examination in the presence of a suspicious lesion to search for and objectify possible associations.



Clinical examination



Dermoscopic examination

