



DERMOSCOPY AND SKIN IMAGING

THE ASSISTANCE OF DERMATOSCOPY IN THE DIAGNOSIS OF THE CLEAR CELL ACANTHOMA WHICH IS RARE IN THE ELDERLY

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Background: Clear cell acanthoma(CCA) is a rare, benign epithelial lesion which has distinctive clinical, pathological and dermoscopic features. Its dimensions may vary from 3 to 20 mm. They are usually asymptomatic,well-defined, plaque or nodule lesions. It can be present on the face, forearm, trunk or groin,but usually on the leg.It often presents at 5-6. decade.

Dermoscopic examination of CCA shows looped vessels in the dermal papilla seen as linear red dots. This appearance is called “string of pearls”. The exact diagnosis can be made by the biopsy.It reveals pale, glycogen-containing PAS-positive staining in the epidermis but keratinocytes that are not stained with diastase

Observation: A 74-year-old male patient was admitted to our outpatient clinic with a mass lesion developed for 4 years ago sensitive to pressure in the left external ear curve. His past medical history was significant for rosacea and hypertension .There wasn't any family history for similar lesions.Physical examination showed erythema on the face and solitary, red, bright,slightly squamous firm nodul was observed in the left ear helix. The nodule was 0.5 cm in diameter. There wasn't any palpable lymphadenopathy in the systemic examination. Dermoscopic examination revealed the pattern constituted linearly arranged dotted vesselse called “String of pearls”.Nodul was excised with a preliminary diagnosis of Clear Cell Acanthoma, Bowen Disease and Psoriasis.And lesion has been diagnosed with clear cell acanthoma histopathologically.The patient was succesfully treated with two courses of criotherapy without any recurrence after 6 months follow-up.

Key message: This case report shows that the clear cell acanthoma may exhibit atypical localization and may be seen in elderly. It was once again emphasized that dermoscopy is important as a guide for differential diagnosis.

