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The evaluation of dermoscopic for the diagnosis and management of basal cell carcinoma

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Basal cell carcinoma (BCC) is the most common of all cutaneous malignancy. It is locally invasive and often grows slowly. Dermoscopy is a non-invasive, in vivo technique that greatly enhances the clinical diagnostic accuracy in pigmented and non-pigmented skin lesions. Up-to date, dermoscopy has been shown to increase BCC diagnosis by enhancing the differentiation from other skin tumors and inflammatory skin diseases. Classical dermoscopy algorithm for the diagnosis of BCC, especially for the pigmented variant, includes the absence of pigmented network and the presence of at least one of the following criteria: Multiple blue/gray ovoid nests, spoke-wheel structures, arborizing vessels and ulceration. However, BCC may reveal a large variety of dermoscopic features. These non-classical features include some additional criteria more frequently seen in superficial BCC or Fibroepithelioma of Pinkus such as short-fine superficial telangiectasia, concentric structures, multiple small erosions, multiple in focus blue/gray dots, shiny white-red structure less areas. Some dermoscopic structures also present are just visible with polarized non-contact dermoscopy like shiny-white lines (chrysalis) and rosetas. In this presentation, a summary of the dermoscopic features of different types of BCCs and also the value of dermoscopy for diagnosis and management of BCCs will be discussed.

Biography

Ercan Arca was graduated from Gulhane Medical Academy, Faculty of Medicine in 1990. He has completed his Residency during 1993-1996 at Department of Dermatology. He has been working in GMMA, School of Medicine, Department of Dermatology since 2000. He is currently a Professor practicing in the same department. He is interested in psoriasis, biologic agents, pediatric dermatology, cutaneous surgery, laser and cosmetic surgery such as chemical peelings, laser epilation, botox, fillers, facial rejuvenation, dermoscopy, dermatopathology, cutaneous lymphoma. He has published more than 100 papers in reputed journals and also presented 200 oral and poster presentation in both national and international congresses.

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