

## Keratoacanthoma Arising in Linear Epidermal Verrucous Nevus

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### Introduction

Epidermal nevi are present at birth & most cases appear within first year of life [1]. Rare cases of benign and malignant changes have been reported in these otherwise stable “birth marks”. We report a case of asymptomatic but rapidly developing growth over the caudal part of an epidermal nevus.

### Case Report

A 56 year old male who had an epidermal verrucous nevus on nape of his neck since childhood was presented with an asymptomatic growth over the caudal part of the nevus. This rapidly grew in size over a period of 3 weeks (Figure 1).



Figure 1: Epidermal verrucous nevus on nape of the neck

There was no history of trauma. Histological examination revealed keratin filled cup shaped depression. The base of the cup showed proliferating squamous cells with acanthosis. There was no infiltration of dermis. Cutaneous and deep resected margins were free of lesion. Low power view of histological sections from verrucous nevus (Figure 2) revealed epidermal hyperplasia with acanthopapillomatosis without koilocytosis and with normal dermoepidermal interface. On these histological grounds and rapid growth, diagnosis of arising from linear verrucous nevus was made.

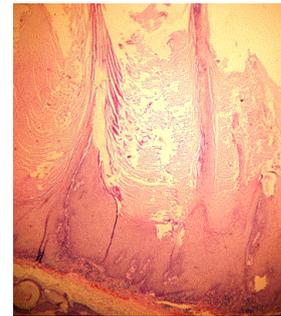


Figure 2: Histological sections from verrucous nevus

### Discussion

Majority of epidermal nevi remain quiescent after adolescence. Rare cases of Basal cell Carcinoma, Squamous cell Carcinoma Keratoacanthoma and Psoriasis arising within epidermal nevi have been reported [2-9]. The malignant transformation is most common in middle and elderly age group. Rapid growth, histopathological findings and the age of patient, are well correlated with keratoacanthoma in our case. Only three cases of keratoacanthoma arising in linear verrucous epidermal nevus are previously reported. To the best of our knowledge, this is first such report from our country.

### What's new

Keratoacanthoma arising in linear verrucous epidermal nevus is a very rare entity with only 3 previous reports in world literature.

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