



Penile verruciform xanthoma, uncommon entity

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Abstract:

Verruciform xanthoma (VX) is a relatively rare benign lesion of unknown aetiology with a predilection for oral mucosa.

Penis is an uncommon location and to date only 17 cases of VX of penis have been reported. A 52-year-old male patient with a 4-week history of a small lump on the penile shaft presented to QEH urology clinic. The patient reported that the lump is itchy and growing slowly over the past 4 weeks. Past medical history was unremarkable apart from GORD with regular PPI administration. In addition, patient is registered blind and he has been looked after by his wife. Patient reported no smoking or alcohol consumption history. Patient showed stable vital signs with no high temperature or fever. Physical examination revealed a small papillary lump of 1 cm in diameter on the dorsiventral surface of the penis, located on the left-lateral part of coronal sulcus and extend to left-lateral surface of the glans and the frenulum. Penile biopsy under local anaesthesia was done with 2 fragments taken from the papillary lesion and sent to histopathological examination at NNH. Biopsy showed inflamed papillomatosis benign squamous keratosis with prominent infiltrate of neutrophils, mostly within the stratum corneum. There was no evidence of malignancy with only features of chronic inflammation within the superficial dermis. Immunohistochemistry for CD68 and adipophylin was positive for xanthomatized histiocytes within the superficial dermis. p16 immunohistochemistry showed patchy staining only. The foam cells with the typical feature of infiltrating neutrophils represents an early verruciform xanthoma.



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