

A Rare Presentation Of Lipoma: Case Of Preputial Lipoma

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Abstract

Penile lipoma itself is a very rare finding. Over which preputial lipoma is not reported previously so this case of a 33-year-old married male is probably the first documented case of preputial lipoma where it causes sexual dysfunction.

Keywords: Penile lipoma; preputial swelling; rare lipoma site; male sexual dysfunction.

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Introduction

A lipoma is a common tumour arising from fat cells. These are among the most common benign tumors. They usually present at fat-rich areas of the body but can be found anywhere in the body.¹ The trunk is the most common site for lipomas with the incidence of 38%, while in the limbs it is 35%. On the other hand, 13% of the lipomas arise in the head and neck region while the oral cavity incidence is 1.0% - 4.5% of all benign oral lesions.² The occurrence of lipoma of the penis is very unusual and rare.³⁻⁵ The most common cystic lesion of the penis and prepuce is the smegma cyst, which is sometimes called “smegmoma”, and usually seen under the unretractable prepuce. However no case report has documented any lipomas in the prepuce

so far, hence this case is being reported due to its rarity and unusual presentation.⁵

Case Report

A 33 years old young male adult presented with a swelling in the penis and difficulty in intercourse. The swelling was slowly progressing and painless. On examination the swelling was present in the prepuce of 3cm x 3cm size, mobile, free from skin, non cystic in nature. The FNAC of the swelling confirmed the diagnosis of lipoma. The swelling was then surgically excised and circumcision was done. The final biopsy report confirmed the diagnosis of lipoma. The patient recovered well in the postoperative period both aesthetically and psychologically.



Figure 1. Picture showing preputial swelling



Figure 2. Retracted prepuce showing lipoma in preputial skin

Discussion

Despite being rare, three cases of penile lipomas were reported.^{3,4} However preputial cysts are a common entity, most common being smegma cysts, which sometimes called smegmoma. They are generally asymptomatic but it may result in urine retention, micturition problem, and difficulty in sexual intercourse.⁵ If the lipoma develops in the penis, it may cause sexual dysfunction by mechanical obstruction during penetration. These can be treated by circumcision or preputioplasty. Some differential diagnosis of preputial lesion includes angiomyolipoma⁶ of the penis, epidermoid cyst⁷ of the glans penis, parametatal cyst⁸ of the glans penis. It is interesting to note that preputial layers does not consist of fatty tissue in them but here in this case a large lipoma was present in the preputial layers causing

problems in sexual health of the patient. One of the recently reported case of hypospadias repair had also mentioned the development of penile lipoma at the repair site during the one year postoperative period. Also it is seen that in hypospadias cases preputial skin is sometimes used as flap to cover defects, Although authors have not specified about the origin of penile lipoma in their case.⁹

Conclusion

Lipoma is the commonest swelling found in the body, usual sites are areas with subcutaneous fat presence. However here in this case it is for the first time reported in a prepuce which is devoid of subcutaneous fat.

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