

# Perineal Lipoma in a New Born Baby: It's Management

## Abstract

Congenital perineal lipomas are rarely seen in a neonate. Only few cases are reported in the literature. We report a newborn with this rare condition managed successfully.

**Key words:** Perineal mass; Lipoma; Excision

## Case Report

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## Introduction

Congenital perineal lipomas are very rare with only 18 cases reported in the literature. These lesions were more commonly associated with Ano-rectal malformation. Ante-natally these lesions may lead to misdiagnosis of ambiguous genitalia.

## Case Details

A new born female baby was delivered to a primigravida at 38 weeks of gestation by normal vaginal route. The mother was registered during her pregnancy and ante-natal scans were done. No ante-natal scan showed renal anomalies or ambiguous genitalia. The period was uneventful. The APGAR score was 10/10 at one and five minutes. The birth weight was 3.3 kg. After delivery the baby was examined by a pediatrician. On examination there was a solitary oval shaped swelling of size 5X3 cm located at the perineal region. The swelling was on the right side of the anal opening. The skin was normal over the swelling. There was no discharge or redness (Figure 1). On palpation there was no local rise of temperature and tenderness. The swelling had a stalk and was soft in consistency. Labial minora, labia majora, urethral, vaginal and anal opening was normal. There was no difficulty in passing urine and stools. The baby was sent to our institution for further management. The ultrasonography of the local swelling was done which showed swelling of size 3.5X3X2.2 cm with heterogeneous mass and vascular pedicle. The ultrasonography of urinary tract was normal. The baby was planned for excision of the swelling. The mass was removed in Toto. Post operatively there were no complications (Figure 2). The mass was sent for histopathology. Histopathology report showed mature adipose tissue, interspersed with collagen bands and leading to diagnosis of fibro-lipoma.



**Figure 1:** Pre-operative.



**Figure 2:** Post-operative with scar and stool at anal verge.

## Discussion

Congenital perineal lipomas are rare; with 18 other cases [1-7] reported in the literature. Isolated congenital perineal lipomas are rare lesions that can lead to misdiagnosis of an accessory scrotum in men, in particular because these two conditions can be associated in over 80% of cases [8,9]. These lesions are typically lobulated, round or pedunculated subcutaneous masses. They are usually smooth, soft, mobile, and non-tender. Perineal lipoma may arise from the mid-perineum but are most commonly lateral in location. The differential diagnosis includes lipoblastoma, which is a benign condition distinguishable from lipoma only histologically. Infantile hemangiomas, hamartomas, and choristoma may grossly appear similar to a lipoma. Moreover, these lesions may be associated with external genital and anorectal malformations. Such anomalies include an accessory scrotum or labioscrotal fold, anal atresia, a rectoperineal or rectovestibular fistula, and a persistent cloaca [2,4-7]. Finally, ambiguous genitalia must be entertained, particularly as an accessory scrotum or labioscrotal fold may be present [1,2,5-7]. However, a phallus will be located in the midline, whereas most lipomas generally arise laterally.

Evaluation before delivery with ultrasonography and after birth by physical examination is helpful for diagnosis. Magnetic resonance imaging can assess associated anomalies, evaluate the blood supply, and define the extent of invasion which assists in pre-operative surgical planning. A complete evaluation of the uro-genital and anorectal tract is recommended taking into account related anomalies described such as renal agenesis, anorectal malformations, scrotum and penile anomalies [8-10]. The treatment of a presumed lipoma is local excision with no anticipated recurrence.

### Conclusion

Congenital perineal lipomas can be diagnosed at an early stage in a newborn which can be managed by surgical excision.

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