

Superficial Myofibroblastoma of the Vulva in an Adolescent; A case Report

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- **Objective:** To report, for the first time, a case of superficial myofibroblastoma of the vulva in an adolescent.
- **Case Report:** A 15 year old girl with a painless vulva swelling of about 11 months duration. She had no other symptoms. Examination of the vulva showed a firm non-tender mass at the mucocutaneous junction of the left labia at 4 O'clock position, involving the left labial majora/minora. The hymen was intact. She had excisional biopsy of a solid mass.
- Histology of the mass macroscopically showed a single piece of un-encapsulated greyish white tissue, measuring 4.5 x 3 x 1cm. Serial cut sections showed homogenous greyish white surfaces. Histologic sections showed a well-circumscribed lesion composing of cellular proliferation spindle-shaped cells with oval nuclei and inconspicuous nucleoli. These cells were arranged in fascicles in a myxoid to collagenous stroma. There were hypocellular areas as well. Atypical cells were not seen. Diagnosis was Myofibroblastoma.
- There had been no recurrence after one year of follow-up so far.
- **Discussion:** Superficial myofibroblastoma of the lower genital tract is a rare benign mesenchymal tumour. Only a total of 52 cases have been reported in English literature till date. Most of the reported cases of SMF were in peri-menopausal/ postmenopausal women. Only three were reported in the age less than 40 years with the youngest being 23 years. To the best of our knowledge, this was the first case of myofibroblastoma of the female lower genital tract to be reported in an adolescent. It was also the first to be reported in Nigerian or African literature. It was the seventh case of vulval myofibroblastoma to be reported amongst all age groups as majority affect the vagina.
- Although a substantial number of reported cases had history of use of hormone replacement therapy, tamoxifen or birth control pills, we reported a case of a 15 year old who never used any hormone related medication or had history of hormonal disorder. From previous reported cases there was low recurrence rate of the tumour and so far, in our case, she showed no sign of recurrence after one year.
- **Conclusion:** Myofibroblastoma of the lower genital tract are rare. It even more uncommonly affects the vulva and an adolescent. There is need for closer attention to tumours of the lower genital tract in order to enhance its prompt diagnosis.