



ORIGINAL RESEARCH PAPER

Medical Science

HUGE PHYLLOXERA TUMOUR OF RIGHT BREAST OPERATED IN STANLEY MEDICAL COLLEGE

KEY WORDS:

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INTRODUCTION

Phyllodes tumors are rare fibroepithelial lesions. They make up 0.3 to 0.5% of female breast tumors and have an incidence of about 2.1 per million, the peak of which occurs in women aged 45 to 49 years . The tumor is rarely found in adolescents and the elderly. They have been described as early as 1774, as a giant type of fibroadenoma . Chelius in 1827 first described this tumor. Johannes Muller (1838) was the first person to use the term cystosarcoma phyllodes. It was believed to be benign until 1943, when Cooper and Ackerman reported on the malignant biological potential of malignant according to the features such as tumor margins, stromal overgrowth, tumor necrosis, cellular atypia, and number of mitosis per high power field. The majority of phyllodes tumors have been described as benign (35% to 64%), with the remainder divided between the borderline and malignant subtypes. The term phyllodes tumor represents a broad range of fibroepithelial diseases and presence of an epithelial component with stromal components differentiates the phyllodes tumor from other stromal sarcomas.

Accurate preoperative pathological diagnosis allows correct surgical planning and avoidance of reoperation, either to achieve wider excision or for subsequent tumor recurrence . At one extreme, malignant phyllodes tumors, if inadequately treated, have a propensity for rapid growth and metastatic spread. In contrast, benign phyllodes tumors on clinical, radiological, and cytological examination are often indistinguishable from fibroadenomas and can be cured by local surgery. With the nonoperative management of fibroadenomas widely adopted, the importance of phyllodes tumors today lies in the need to differentiate them from other benign breast lesions. Treatment can be either wide local excision or mastectomy provided histologically clear specimen margins are ensured .

A 39 year old female came to Stanley medical college surgery opd with complaints of lump in right breast since one and half year, which is insidious in onset progressive in nature. Associated with pain over right breast. No history of nipple discharge, loss of weight or appetite. No history of lumps in ipsilateral or contralateral axilla. No history of breast tumours in family. On examination of right breast there is a lump measuring 15x15cm occupying entire right breast with irregular surface . Well defined margins. Skin over the lump and nipple areolar complex normal. Dilated veins seen over right breast. On palpation No warmth or tenderness over right breast lump. Irregular surface with well defined margins. mobile in all directions with variable consistency . No nipple discharge. Examination of ipsilateral axilla shows a single mobile non tender lymph node measuring 1x1 cm firm in consistency. No lymph nodes palpable on contralateral axilla.

Clinical Picture

Usg right breast shows a well defined hetroechoic mass measuring 15 x 15 cm with internal cystic components and solid components. Vascularity present within the solid components. Left breast normal study. Usg right axilla showed

few oval shape hypochoic enlarged lymph nodes with preserved fatty hilum largest measuring 13x24 mm with exccentric cortical thickening measuring 1cm. Left axilla normal study. Incision biopsy of breast lump done .HPE report says benign phyllodes tumour right breast. Ki67-3-4%. Simple mastectomy done and proceeded with flap closure. Specimen measures 3250 grams with with solid component in outer upper and lower quadrant involving central quadrant too and cystic component in inner upper and lower quadrant



Excised tumour

POST OP HPE

NATURE OF SPECIMEN-SIMPLE MASTECTOMY SPECIMEN	AGE: 39 YEARS SEX: FEMALE UNIT: 31 CLINICAL DIAGNOSIS-PHYLLOIDES TUMOUR- RIGHT BREAST
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MACROSCOPIC DESCRIPTION :
Received simple mastectomy specimen measuring 24x17x10cm, attached skin with nipple areola complex measuring 22x15cm. External surface-skin shows ulceration at medial side measuring 6x5cm. Cut surface shows an encapsulated tumor measuring 23.5x16.5x9.5cm with bulging borders, multilobulated, grey tan-grey white. Cut surface of tumor shows multiple scattered yellowish areas. Cut surface of nipple areola complex- no abnormality detected. Tumor is 0.5cm from superior margin, 0.5cm from inferior margin, 0.3cm from lateral margin, 0.3cm from medial margin, 0.2cm from deep margin, 1cm deep to nipple areola complex.

MICROSCOPIC DESCRIPTION:
Section studied from ulcerated area in skin shows infiltration by tumor. The tumor shows malignant neoplasm composed of tumor cells with increased stroma cellularity. The tumor shows stromal overgrowth. The tumor cells are spindle shaped with moderate amount of eosinophilic cytoplasm and pleomorphic hyperchromatic nuclei with marked atypia. Mitotic activity more than 15/10 HPF. Also seen are chondroid and osteoid like areas admixed with areas of extensive necrosis. Few scattered congested blood vessels seen. Section studied from ulcerated area in skin shows infiltration by tumor.

