

Phyllodes Tumor: One Experience Institute

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Background: Phyllodes tumors (PT) are uncommon fibroepithelial breast growths, which are capable of diverse biological behavior from benign fibroadenoma to malignant PT. They are composed of epithelial components and cellular spindle cell stroma forming a leaf-like structure.

Objective: To evaluate the clinical data, pathology, treatment and outcome of the disease.

Design: A Retrospective and Descriptive Study.

Setting: King Faisal Specialist Hospital and Research Center, Saudi Arabia.

Method: Personal characteristics of those enrolled in the study from January 2000 till January 2013 were documented. Clinical data retrieved from 24 patients were included. Patients' age, presenting symptoms and signs, tumor size, type of surgery, recurrence and follow-up were documented.

Result: Twenty-two patients were reviewed; the mean age was 38 years, all females presented with Right Upper Quadrant rapidly growing mass. The patients were investigated with mammogram, ultrasound and fine needle aspiration, which revealed different types of phyllodes tumor. Six (27.27%) patients had mastectomy, 14 (63.64%) had lumpectomy and 2 (9.09%) had skin sparing mastectomy. Histopathology, 8 (36.36%) patients had benign PT, 7 (31.82%) malignant PT, one (4.55%) benign border line, 2 (9.09%) no tumor, one (4.55%) spindle tumor and one (4.55%) fibroadenoma. The size was ranging between 2.5 cm to 25 cm. Five (22.72%) of them had their margin involved, 16 (72.73%) had free margin and one (4.55%) could not be assessed. Twenty patients had no recurrence within the last 5 years. One had recurrence after skin sparing mastectomy and implantation, one lost for follow-up and 2 died because of other diseases.

Conclusion: Phyllodes are rare breast tumors, which have unpredictable behavior. Surgical resection is the primary mode of treatment with adequate safety margins.

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