

## Male Breast Cancer: 37-Year Data Study at a Single Experience Center in Turkey

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### Abstract (limit 600 words)

Male breast cancer (MBC) is rare, accounting for less than 1% of all breast cancer and less than 1% of all cancer cases, with less than 0.5% of all cancer deaths in men, annually. MBC usually presents as a firm, painless mass along with palpable axillary nodes, nipple retraction, and ulceration of the skin at presentation. MBC is usually located in the subareolar region, but can also be seen in the upper outer quadrant. As is the case with women, the left breast is involved more predominantly than the right breast, and approximately 1% all of cases are bilateral. Approximately 90% of MBC are invasive ductal carcinomas. Lobular histology is rare, accounting for only 1.5% of MBC. MBC has high rates of hormone-receptor expression; approximately 90% express oestrogen receptor (ER), and 81% express progesterone receptor (PR). Tumor size and lymph node involvement are important prognostic factors in MBC, as is for female breast cancer. There are no prospective randomized trials comparing the efficacy of different treatment options for MBC. The standard surgical approach for localized MBC is a modified radical mastectomy (MRM), but as with women, retrospective studies suggest that equal effectiveness can be achieved with a radical mastectomy, MRM, or simple mastectomy in terms of local recurrence and survival. There is limited data regarding the indications for post mastectomy radiation therapy (RT) in men treated for breast cancer; the recommendation is to follow the same guidelines as for women. Post mastectomy RT appears to reduce loco regional recurrence in MBC; however, the influence on survival is unknown.

### Important of research (limit 200 words)

Adjuvant chemotherapy has been used to treat male and female patients with substantial risks of recurrence and death from breast cancer. Whereas the data supporting adjuvant chemotherapy in women is strong, there is little information on the effectiveness of adjuvant chemotherapy for MBC. The aim of this study is to evaluate the effects of prognostic factors on overall survival (OS) and loco regional control (LC) among MBC patients treated at our institution over a 37-year period as well as to review the related literature. The data of patients treated for MBC at the Istanbul University Cerrahpasa Medical Faculty and Hospital from 1973 to 2010 are retrospectively reviewed.

### Biography (limit 200 words)

Edwina N Scott is a Research Plant Physiologist in the Crop Genetics Research Unit at USDA-ARS in Stoneville, Mississippi. In 1989, he got his PhD in Plant Nutrition from the University of Leeds' Department of Pure and Applied Biology. He joined USDA-ARS in 2004 as a Research Plant Physiologist working on identifying the physiological and genetic mechanisms controlling soybean seed composition and mineral nutrition constituents (protein, oil, fatty acids, sugars, phytohormones, and mineral nutrition) under drought, heat, and disease pressure.



### Information of Institute (limit 200 words)

The University of Life Sciences in Lublin (Polish: Uniwersytet Przyrodniczy w Lublinie) is a multi-profile higher education institution, which integrates a wide range of agricultural, biological, veterinary, technical and socioeconomic sciences in Poland. Although the university was established in 1955, its history stems back to 1944 with the creation of the Agrarian and Veterinary Faculties within the new Maria Curie-Skłodowska University (UMCS).



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