عنوان مقاله:

Association of the Involvement of Axillary Lymph Nodes in HER-2/neu overexpression in Patients with Breast Cancer

محل انتشار:

سیزدهمین کنگره بین المللی سرطان پستان (سال: 1396)

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خلاصه مقاله:

Background: Breast cancer is the second leading cause of cancer related death in women. Several biomarkers have been identified for the treatment and management of breast cancer patients, including HER-2/neu, which has been shown to be associated with the progression of certain aggressive types of breast cancer. Overexpression of HER-2 is reported in ~15-30% of breast cancer patients, and is correlated with poor prognosis or increased disease recurrence. Considering the importance of lymph node involvement in prognosis and treatment of breast cancer, we explored the association of the level of HER2 with axillary lymph node involvement in breast cancer patients.Methods & Patients: 1725 patients were enrolled in the current study. The expression value of Her-2 with age, pathological information, stage of disease was evaluated in all the subjects Results: The mean age of the subjects was 48.82 years. The average weight of the subjects was 67.46 kg. Estrogen receptor (ER) and progesterone receptor (PR) showed significant correlations with age (P0.05). In addition, an association was observed between ER and carcinoma type (P=0.000). Chi-square test showed a significant correlation between ER-/ER+ and type of carcinoma (P0.05). Moreover, there was an association between HER2 and type of carcinoma (P=0.000). We observed a significant difference between Ki67 and PR+/PR- (P=0.002). In the evaluation of the relation between Ki67 and HER2, there was a significant correlation between these two receptors (P=0.000). Conclusion: Our findings showed the prognostic value of HER2 expression with axillary lymph node involvement in breast cancer patients.

کلمات کلیدی:

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