THE STUDY ON THE APPLICATION OF MAMMOGRAPHY IN COMBINATION WITH COMPUTED TOMOGRAPHY (CT) FOR CONSERVATIVE SURGERY IN THE TREATMENT OF BREAST CANCER

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[ABSTRACT] Objective: To study the application value of mammography in combination with computed tomography (CT) for conservative surgery in the treatment of breast cancers. Methods: 100 women with breast cancer in stage I and II examined by mammography in combination with computed tomography (CT) were randomly divided into two groups. 53 cases were treated by segmental mastectomy (Group A) and 47 cases who underwent modified radical mastectomy by total mastectomy plus axillary dissection (Group B). All patients of two groups received radiotherapy, chemotherapy and endocrine treatments. The treatment results from both groups were compared. Results: 5 years survival rates and recurrence rates were 91% and 1.7% (in group A) and 82% and 2.6% (in group B) respectively. The two groups showed significantly difference in 5 years survival rate. Conclusions: Mammography in combination with computed tomography (CT) is of diagnostic value for conservative surgery in the treatment of breast cancers.

[Key words] Breast tumors; Tomography; X-ray; Diagnosis, Computer assistance