Feasibility of Breast Conserving Surgery in Stage III (A) breast carcinoma in the absence of Neoadjuvant

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Abstract:

Background: Determination the extent of viable residual tumor preoperatively is a big issue after neoadjuvant treatment. On the other hand, some retrospective data suggest that BCS is feasible up to stage IIIA breast cancer without preoperative therapy. Methods: We analyzed retrospectively 164 patients undergone (BCS) followed by adjuvant chemotherapy and or endocrinal therapy with whole breast radiation between 2005 and 2012. Of those, 116 patients had stage I and II (group-1) and 48 patients had stage III A (group-2). Result: After median follow-up of 40.4 months, 18 (15.5%) patients in (group -1) and 8 patients (16.6%) in group-2 developed (IBTR) P=0.77. Mean time to tumor recurrence was 19 months in (group -1) and 17 months in (group -2) (P=0.5). However we found IBTR was more in hormonal negative tumors (P=0.002), high grade tumors (P=0.021), young age (P=0.017) and LN positive than negative (P=0.011) . However there is no significant difference between N1 and N2 (P=0.241). Conclusion: Our data suggest that BCS with R0 resection is feasible in stage IIIA whenever cosmetic appearance could be maintained as long as it will be followed by radiotherapy and chemotherapy. Prospective study with larger numbers is recommended for further evaluation of this issue.

Keywords:

breast cancer, stage IIIA, abscence neoadjuvant

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