

### **Recurrence and Oncologic Outcome After Nipple Sparing Mastectomy**

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#### **Abstract**

**Introduction:** Breast cancer patients with multicentric disease will require mastectomy advances of screening and genetics have ended in many ladies may needs prophylactic mastectomy nipple and areola sparing is good option for these patients with higher levels of psychosocial wellbeing.

**Patient and Methods:** The 300 breast cancer patients all have NSM for the therapy of multicentric breast cancer. The primary end point was tumor recurrence post NSM either was local, regional or metastatic recurrence and, the Secondary end point for this study is to report disease free survival, loco-regional control and overall survival.

**Results:** All cases were multicentric invasive duct carcinoma, 6 cases (33.3%) were reported to have distant metastases to lung and bone and 12 cases (66.7%) were reported to have local recurrence within nipple areola complex, among reported recurrence cases the interval time between primary treatment and recurrence was 28 months in 6 cases (33.3%), 43 months in 6 cases (33.3%) and 50 months in 6 cases (33.3%). Among 300 cases that did NSM, 6 cases (2%) died from heavy lung metastases and 294 cases (98%) still alive within period of follow up ranging from 40-96 months.

**Conclusion:** This study revealed a low incidence of cancer recurrence at the NAC after NSM and immediate breast reconstruction. Patients with high stage disease, HER2 positive subtype, high grade lesions and extensive intraductal component had a significantly increased risk of cancer recurrence at the NAC.

**Key words:** breast, cancer, recurrence, surgery, reconstruction