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Breast Cancer in Young (15 Years' Experience of South Egypt Cancer Institute)

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Background: Incidence of breast cancer in patients <40 years old in Egypt is about 20%. This study was conducted to evaluate differences in risk factors, pattern of presentation and DFS and OS between age groups below and above age of 40.

Methods: 800 patients <40 years and 3000 patients ≥40 years were evaluated retrospectively from 2004 to 2018 to assess the differences in (DFS) and (OS) between age groups after adjustment of risk factors like (stage, LN, her2 Neu status and hormonal positivity, KI67) .

Results: After median follow up of 39 months, we found that 70% of patients <40 years old were presented with stage III, due to lack of awareness that this cancer could occur in young also due to using of breast sonar only in diagnosis, only 5% have positive family history. When we compared them with older counterparts of >40 years and after stratification of the patients according to: stages, hormonal status and her2 Neu status. There were no significant difference between 2 age groups with regard to DFS P= 0.515 and OS P=0.634. However we found significant difference in the rate of bone metastases progression in young P=0.032 also in local recurrence after breast conserving surgery in patients P= 0.0412 compared to older ones.

Conclusion: Patients <40 years exhibited more often of advanced stage compared to patients ≥40 years, our analysis revealed age <40 years is a real adverse prognostic factor for local recurrence after breast conservative surgery.

Biography:

Dr. Abeer Ibrahim is Head of Medical Oncology and Hematological Malignancy Department and Supervisor of BMT unit in south Egypt Cancer Institute. She graduated in 1996 from faculty of Medicine, Assiut University. Then she got a fellowship in Trinity College, Dublin University in Ireland and she finished her MD thesis on role of allogeneic BMT in CLL 2005-2007. Then she got her Doctoral degree in 2010 and had another post-doctor fellowship in Cardiff University UK, in the field of stem cell transplantation. She has a lot of publications in both solid tumors and hematological malignancies.