**Is young age an independent adverse prognostic factor in carcinoma breast? A single institute retrospective comparative study from South India.**

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**Introduction**
The incidence of breast cancer is as low as 0.50% in females younger than 40 years old. Adverse pathological features like more TNBC and Her2 positivity as well as lacking reliable screening methods in young women lead to the poor prognosis in this group of patients.
**Materials and Methods**
Patients with nonmetastatic carcinoma breast who had registered in our hospital during the year 2012 were selected for the study. Treatment details were retrospectively collected and survival data till 31st July 2019 was obtained via telephonic interview. Kaplan Meier method employed for survival analysis. Survival comparison was done using the log-rank test. Cox proportional hazards regression analysis done for assessing the risk.
**Results**
Out of 1611 curatively treated patients with carcinoma breast, 281 (17.44%) were young breast cancer (equal to or less than 40 years). The median follow up period was 82 months. Median age of diagnosis was 51.3 years. Young patients presented larger tumour size, but nodal stage and composite stage were not different. They had more TNBC status, 35% v/s 24%, p=0.001. Young patient group had a drop in 5 Year OS but statistically nonsignificant (75.9% v/s 82.5%, p=0.179) and marginally significant drop in DFS (67.9% v/s 73.3%, p=0.056).
**Conclusions**
The proportion of young breast cancer is very high in Indian population.Age is not an independent risk factor for worse prognosis. T and N stage, Her2nue status and adequacy of nodal clearance are the most important independent risk factors deciding the 5 year OS.

**Key words**
Young breast cancer, TNBC, Nodal yield

**Biography**
**I** Dr Abdulla K P had completed MBBS (2004-1010) and MS General surgery (2012-2015) from Government medical college, Calicut, under Kerala university of health science. I have worked as a senior resident in the department of surgical oncology in All India Institute of Medical Science, Delhi (AIIMS) for one year (2016-2017). Currently doing super speciality training Mch in surgical oncology (2017-2020) at Regional cancer centre, Trivandrum under Kerala university of health science.

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