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## Clinical audit of Breast Cancer patients diagnosed at London Breast Care Centre in Bahrain: 2 Years experience.

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**B**reast cancer Screening In Bahrain is provided by the ministry of Health to women above the age of 40 on Annual basis. Breast cancer is the most common cancer among Bahraini women with a percentage of 37.4%. According to the latest statistics the age group women are diagnosed at in Bahrain is highest at the age of 45-50. The London breast cancer is the first private medical centre specialized in diagnosis and treatment of Breast cancer in Bahrain. We have therefore collected our data of diagnosed breast care patients from the period of 2016 -2018.

This clinical audit will shed a light on the most common age group of women diagnosed with breast cancer. The aim of this study is to see whether the current breast screening protocol in the kingdom of Bahrain is in line with the age group of affected population.

Retrospective cohort study with data collected from patient files at London breast care centre Bahrain in the period of 2016-2018. A total of 1093 patients were screened at the London breast care

centre in Bahrain between 2016 -2018. 294 women with breast cancer diagnosis was confirmed by triple assessment (Clinical Examination by consultant breast surgeon, Mammography ( 2D/3D ), Ultrasound Breast & Breast Biopsy (Fnac/Core)

Age group of patients were classified into three main groups. the younger than 40 , 40-50 and above 50 years of age. The results were 29 patients were diagnosed at an age group younger than 40 ( 8.5%). From 40-50 years there were 83 patients ( 24.4% ) Above 50 years of age 182 patients ( 53.5%). Our study shows that most patients are diagnosed at an age above 50. According to American college of surgeons guidelines for breast screening, screening should start 10 years younger than the commonest age at diagnoses , which is 40. Our results in Bahrain are in keeping with the current guidelines for breast screening by American college of surgeons.

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