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Title: Molecular subtyping on IHC4 of non-palpable breast cancer: A screening population study at Mumbai, india.

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According to the latest Indian Council of Medical Research statistics, breast cancer is the most common cancer among Indian women with an estimated 1.5 lakh new cases(over 10 %o f all Cancers) seen during 2016. According to the National Cancer Registry almost 48% of breast cancer patients currently are below 50 years of age in comparison to 25 years ago when 69% of the patients were over fifty years of age. Breast cancer screening is not a method of prevention in India partly because of the cost involved and also awareness not yet fully permeated in the society. Nevertheless in urban cities screening sonomammogram is performed and this has led to increased detection of early malignancies in the breast on image guided biopsies of suspicious lesions.To our knowledge, no study which looks at screen detected breast cancers have been published so far from India.

In our study on 146 cases of non-palpable screen detected biopsy proven breast cancer, we found that Luminal A subtype was the most common. However, it was also seen that a subset of patients with younger age (less than 50) showed larger sized, higher grade tumors with triple negative & her 2 positive subtypes.

12 % of patients showed lymph node and systemic metastasis which were most commonly seen in the non-Luminal A subtype.

There were 33 cases of DCIS and 1 case of malignant phyllodes.

Figures : ER and PR expression with grade.

		ER		PR		Total
		neg	pos	neg	pos	
Grade	1	0	17	1	16	17
	2	7	45	8	44	52
	3	22	21	18	25	43
Total		29	83	27	85	112

Biography

Dr. Aishwarya Sitaram has done M.B.B.S, M.D, D.N.B from India and completed Post Doctoral Certificate Course in Surgical Oncopathology from P.D Hinduja Hospital, Mumbai, India. She is currently working as Assistant Professor in K.J.Somaiya Medical College and Research Centre , Mumbai, India.

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