

B.V.RAJUCOLLEGE

VISHNUPUR, BHIMAVARAM

DEPARTMENT OF LIFE SCIENCES



Breast Cancer explained *The beauty yet the ugly within*



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Breast Cancer Related Beliefs and Behaviours

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**ONE DAY NATIONAL LEVEL SEMINAR ON
BREAST CANCER AWARENESS**

The Beauty Yet the Ugly Within

Speaker-1



Prof. Brahmanandam Manavathi
M.Sc., Ph.D. (Biochem)
Professor in Biochemistry
Hyderabad Central University
Hyderabad

Speaker-2



Prof. Rama Rao Malla
M.Sc., Ph.D. (Biochem)
Professor, Dept. of Biochemistry
& Bioinformatics
GITAM University, Visakhapatnam

Date :22/09/2023 Time :09.00 Am to 01.00 Pm
Venue : Mini Auditorium, Vishnu Campus



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ONE DAY NATIONAL LEVEL SEMINAR ON BREAST CANCER

“THE BEAUTY YET THE UGLY WITHIN”

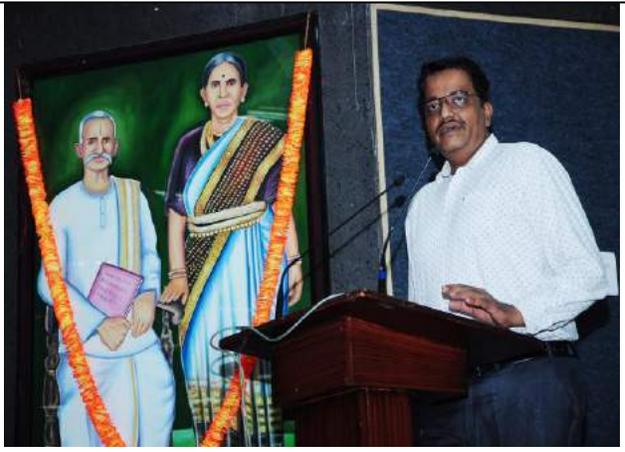
SUMMARYS

In today's world, most of the women are suffering from breast cancer. It is because lack of cognizance of what it is. The objective of this seminar is to develop a cognizance on the breast cancer. Breast cancer is the malignance among the women globally. One in 23 women is likely to develop breast cancer during her lifetime. In urban areas, it is 1 in 22 and in rural it is 1 in 60 in case of India. As of the records in 1990, India stood at 4th place.

Prof. M. Brahmanandam:

Prof has shared his experiences and his works regarding breast cancer on which he is currently working on. He has a research going on regarding breast cancer and its aspects. He has shared the symptoms, causes, treatment and other key issues regarding breast cancer. While Speaking about breast cancer he has explained few reasons of why women are affected with breast cancer which includes mutations, genetics, age, lifestyle, diabetes, tobacco consumption etc. He has displayed a statistical graph which shows about ages in which women are prone to breast cancer. There was also another statistical graph which shows in which years what medicines were invented. Medicines like “Tamoxifen” in the year 1973, “Anastrozole” in 1995, “Letrozole” in 1997 and the recent one is “Fulvestrant” in the year 2002 were discovered by the scientists.

He also shared few techniques on how to check the symptoms of breast cancer. Symptoms include changes in weight, formation of tissue masses near the breasts etc. In his presentation he explained about the regulators in the mammary gland development. In this, the stages in which the development follows is discussed, which involves stages from embryonic, pre - puberty, puberty, virgin, pregnancy and lactation. In these stages, the ductal growth starts at the time of puberty, and increases to its maximum growth during the pregnancy. In his presentation, he has shared about Angelina jolie, an American actress who has undergone the knife to remove her breasts in order to prevent the affect of breast cancer which is in her genetic lineage. He also shared about the reasons why cancer can re-occur. This includes metastasis, tumor relapse and chemo or radio resistance. He also discussed about clonal evolution which shows about the genetic and epigenetic changes that occur over a period of time in individual cancer cells. Professor also shared about few techniques that can help in self examination for breast cancer.



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ONE DAY NATIONAL LEVEL SEMINAR ON BREAST CANCER
The Quality of the Day Matters

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Professor M. Ramarao:

Professor Rama rao garu is currently working on triple negative breast cancer. He discussed about the key factors regarding the self examination of breast cancer, its effects, symptoms, treatment etc. He explained that triple negative breast cancer is the most vulnerable type of cancer with highest mortality rate. He also shared about few slides about the growth stages of cancer. There are 4 stages of cancer. In the early stage, the tumor is just formed. There will be no spread to lymphnodes or other tissues. This is also called as “localized cancer”. The next stage involves the effect spreading to nearby tissue and the mass will be grown in size and is spread to the nearby lymphnodes. In the third stage “regional spread” will occur, where the cancer is affected to the more of the surrounding tissues which spreads to distant lymphnodes away from the mass. The final stage is called as “distant stage” where the cancer spreads to the tissues and organs beyond the region of origin.

Professor has also discussed about metastasis which is phenomena where a small cancer cell translocates from one place of the body i.e; from the place of origin to another tissues that are distant. He also shared slides to explain high probability of occurrence of cancer in 50-60 age group of women.





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