

Advances and Challenges in Breast Cancer: Diagnosis, Treatment, and Future Perspectives

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Abstract

Among 2015, breast cancer, one of the most common cancers among women worldwide, took almost 570,000 lives. Over 1.5 million women worldwide are diagnosed with breast cancer each year, making up 25% of all cancer-stricken women^[1,2]. Breast cancer is a malignant tumour that develops in the breast tissue, specifically in the cells that line the ducts or lobules. It occurs when abnormal cells grow and multiply uncontrollably, forming a mass or lump^[3]. The primary cause of breast cancer's incurability is that it is a metastatic cancer that frequently spreads to distant organs such the brain, liver, lung, and bone. A high survival rate and favourable prognosis can result from early illness diagnosis^[1]. The chance of getting breast cancer can be raised by a number of risk factors, including sex, age, estragon, family history, gene mutations, and an unhealthy lifestyle^[4]. Breast cancer is 100 times more common in women than in men, and it mostly affects women^[5].

Keywords:- Breast cancer, Mammary.

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