

## **Breast cancer: its pathogenesis, types and metastasis associated with breast cancer**

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### **1. INTRODUCTION**

Generally, a cell undergoes regulated division and terminates with the occurrence of programmed death or apoptosis. But in case the cell is unable to reach that natural death, it loses control on cell division leading to cancer or tumor formation. Cancer is presumed to be among the most dangerous disease due to its unbearable impact on a person's life as well as the difficulty associated during their detection and treatment. Among the various types of cancers that are reported, breast cancer is the most common type of cancer occurring in the women globally and sometimes it is reported in men as well. It is the foremost common malignancy type detected in the women in developed countries and the second most known type detected in developing countries. Approximately it was recorded in one fourth of all the cancer diagnosed in the year 2018. This disease can be curable if detected at an early stage, otherwise it has inevitably lethal consequences.

### **2. PATHOGENESIS**

When the breast grows abnormally, it affects the ducts of the breast and begins to proliferation, further leading to hyperproliferation. As a result of such changes, a benign tumor may develop in those regions. This can later proceed to be cancerous in nature, after being