



Understanding Metastatic Breast Cancer (MBC) and the Hormone Connection

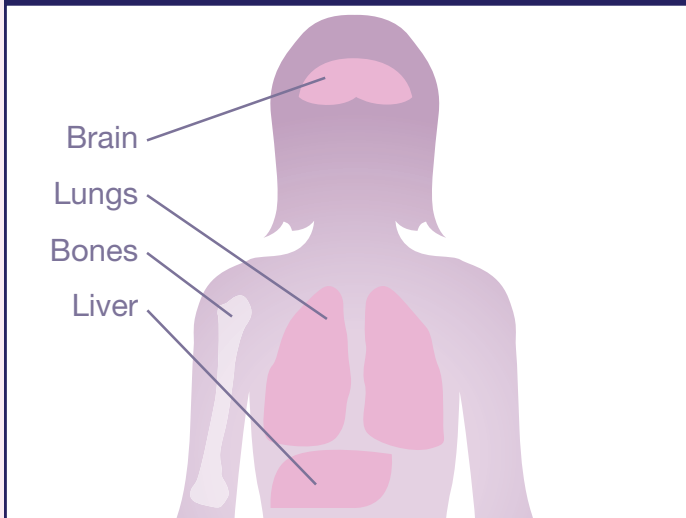
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What is MBC?

MBC IS WHEN BREAST CANCER CELLS

have spread to other parts of the body outside the breast and is most commonly found in the lungs, liver and bones

COMMON SITES OF METASTASES



70% OF METASTASES ARE IN THE BONE

POSSIBLE MBC TYPES

- Estrogen receptor positive (ER+)
- Estrogen receptor negative (ER-)
- Progesterone receptor positive (PR+)
- Progesterone receptor negative (PR-)
- Human epidermal receptor 2 positive (HER2+)
- Human epidermal receptor 2 negative (HER2-)
- Triple negative (TN)

MBC CAN HAVE A COMBINATION OF TYPES

MBC CLASSIFICATIONS THAT IMPACT TUMOR GROWTH

- Hormone receptor status
- HER2 status

2

How can hormones influence MBC?

Breast cancer can be hormone driven and the progression can be directly related to the types of hormones (estrogen or progesterone) present.

75%

OF BREAST CANCERS ARE HORMONE RECEPTOR POSITIVE

meaning their growth is fueled by female hormones—**EITHER** Estrogen or Progesterone.

Visit LifeBeyondPink.com for more information about metastatic breast cancer.



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3 What is HER2 and triple negative?

HER2 (HUMAN EPIDERMAL GROWTH RECEPTOR 2)

is a **PROTEIN** that acts as a receptor on the surface of a cancer cell. When HER2 proteins are too high it can stimulate cancer growth.

ABOUT



OF CANCERS HAVE TOO MUCH OF THIS PROTEIN AND ARE CONSIDERED HER2+

TRIPLE NEGATIVE MBC OCCURS WHEN

the tumor tests negative for estrogen and progesterone and HER2 protein. In this case, cancer growth is not supported by hormones nor by the presence of too many HER2 proteins.

ABOUT



OF BREAST CANCERS ARE FOUND TO BE **TRIPLE NEGATIVE**

4 Why is it important to know my tumor's hormone receptor status and HER2 status?

KNOWING YOUR TUMOR'S HORMONE RECEPTOR STATUS AND HER2 STATUS

is critical to working with your doctor to identify the appropriate course of treatment.

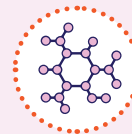


It may be important to re-biopsy the tumor periodically because it could change over time

5 What can I do with this information?

Talk to your medical team to determine what your tumor's hormone receptor status means for your MBC treatment journey

Possible metastatic breast cancer treatment options to discuss with your medical team:



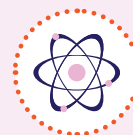
HORMONE THERAPY



CHEMOTHERAPY



LOCAL TREATMENT
surgery, radiation



CLINICAL TRIALS