

The background of the slide is a soft, pinkish-red color with a subtle floral pattern. A prominent feature is a large, semi-transparent breast cancer awareness ribbon in the center. Scattered around the ribbon are various flowers, including daisies and roses, in shades of pink and white. The overall aesthetic is gentle and supportive.

Breast Cancer

& The Various Treatments

By Nia Berry

What is Breast Cancer...

- *Cancer: Defective genes that prevent cell division from stopping causing uncontrollable growth that form "malignant tumors"*
- *Breast Cancer: The accumulation of tumors in the breast that passes through the breast's lymph nodes and the blood stream.*

Causes of Breast Cancer...

- *Family history is a common cause if 2 or more close relatives have had breast or ovarian cancer.*
- *Smoking tobacco and drinking alcohol.*
- *High-fat diets, obesity*
- *Radiation*

Causes of Breast Cancer...

- *2% of women carry the BRCA₁ or BRCA₂ gene mutation that gives them a 60% chance of getting breast cancer in their lifetime*

Possible Prevention...

- *Maintaining a healthy weight*
- *Exercise*
- *Breastfeeding*
- *Removal of BRCA₁ and BRCA₂*

What to Look For...

- *Skin Dimpling*
- *Change in skin color and/ or texture*
- *Changes in the nipple:pulling, and leakage*
- *Lumps (tumors) in the breast*
 - *Found using Mammograms, Ultrasounds and Self-Exams*

What to Look For...Fibroadenoma

- *Fibroadenoma is a hard moveable lump that are classified as a "Phyllodes tumor"*

Classifying Cancer...

- *The only way to be able to tell if a lump is even cancerous is by analyzing an "Biopsy"*

Classifying Cancer...

- *Grade: comparing the appearance of an cancer cell to normal breast tissue.*
- *Stage: based on T(tumor size), N(spread tumor, remaining in the lymph nodes), & M(spread of tumor to other areas due to being metastasized)*

Classifying Cancer...Stages

- *0: Pre-cancerous*
- *1-3: Still within the lymph nodes*
- *4: Metastatic and has traveled through the body to other areas*

Classifying Cancer...Fibroadenoma

- *Stages of Fibroadenoma: Benign, Borderline, or Malignant*

Treatment Options...

- *Stage 1: Surgery and little medication*
- *Stage 2&3: With a chance of reoccurring; surgery, medication and some radiation*
- *Stage 4: A combination of surgery, radiation, medication and target therapies with a 10% survival rate*

Treatment Options...Surgery

- *Mastectomy: Removal of the whole breast (stages 2-4)*
- *Quadrantectomy: Removal of one quarter of the breast (stages 2-3)*
- *Lumpectomy: Removal of a small part of the breast (stages 1-2)*

Treatment Options...Surgery

- *After going through breast removal surgery, women have the option to under go breast reconstruction (implants) or use breast protheses (bra inserts)*

Treatment Options... Medication

- *Chemotherapy: (stages 2-4) destroys fast growing/replicating cancer cells (as well as some normal)*
- *Monoclonal Antibodies (Trastuzumab): (stages 2-4) only effective with the HER2 mutation but it prevents a growth factor that causes cell division.*

Treatment Options...Radiation

- *Only given after surgery*
- *Targets the initial area of the tumor and lymph nodes to kill any tumorous cells that may have been missed.*

Supporting Breast Cancer

- *National Breast Cancer Foundation*
- *Susan G. Komen for the Cure*
- *American Cancer Society*
- *The American Medical Women's Association*
- *Men Against Breast Cancer*

Supporting Breast Cancer

- *Nia Berry & family*
- *Shalia Wallace & family*
- *Pia Martin & family*
- **& NOW YOU!**