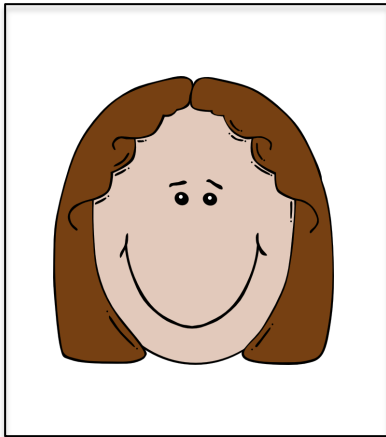


Patient 1's Chart



Name: Brenda Johnson

Health ID #: 985763

Age: 52

Weight: 72 kg

Clinical Diagnosis: Stage III Breast Cancer

Pathology Report

Stage of cancer: Stage III → the tumor may be any size and has spread to the chest wall and/or skin of the breast and caused swelling and has spread to lymph nodes near the breastbone

Tumour size: 7 cm in the left breast

Rate of cancer growth: Very High

Presence of blood vessels (angiogenesis): Intermediate

Invasion Status: Highly invasive and many secondary tumours found (metastasis)

Additional Sequencing Results

BRCA1 mutation: Positive

HER2 status*: Positive

Gene X mutation: None

Gene Y mutation: Increased sensitivity to Drug C leading to severe and untreatable side effects

*Note: The HER2 gene is responsible for making HER2 proteins. These proteins are receptors on breast cells. Under normal circumstances, HER2 receptors help control how a breast cell grows, divides, and repairs itself. Breast cancers that have amplified HER2 genes or that overexpress the HER2 protein are HER2-positive and cause the breast cancer cells to grow and divide faster than HER2-negative.