Diagnosis and Treatment of Triple Positive Breast Cancer

Student Researcher: Caroline Daisy Seibert

Faculty Advisor: Dr. Elaine Halesey, Ed.D., R.T.(R)(QM)(ARRT)

**Abstract**

This project goes through the ways that triple positive breast cancer is diagnosed and the ways it can be treated. It also follows Patient X with how they were diagnosed and what current treatments they are doing to help stop the spread of the cancer. Breast cancer is one of the most common malignancies found in women and about 10% are diagnosed with triple positive breast cancer. Treatment options are discussed and has studies that show positive outcomes. Hormone therapy and targeted therapy are some of the treatments that are commonly used as a treatment for triple positive breast cancer. Studies showed that hormone therapy helped with treating the estrogen and progesterone receptors that are found, while targeted therapy helped with treating the human epithelial growth factor receptor 2 (HER2). With these positive findings, the need for continuing research on the best ways to stop the reoccurrence of triple positive breast cancer.

*Keywords:* Triple positive breast cancer, diagnosis, treatment, human epithelial growth factor receptor 2