Biopsy Report
Patient Information:

- Name: Claire Thompson
- Age: 52
- Gender: Female
- Date of Birth: May 12, 1972
- Medical Record Number: 123456789

Specimen Received:

- Date of Procedure: March 5, 2024
- Specimen Type: Core needle biopsy of the right breast mass

Macroscopic Description: Received in formalin, labeled with the patient's name and medical record number. The specimen consists of four core biopsies, each approximately 1.5 cm in length and 0.2 cm in diameter. The tissue appears firm and whitish-gray in color.
Microscopic Description: Sections of the core biopsies reveal clusters of atypical ductal cells infiltrating the fibrous stroma. The cells exhibit marked pleomorphism, irregular nuclear contours, and increased nuclear-to-cytoplasmic ratio. Mitotic figures are readily identified. Areas of central necrosis are noted within some clusters. The surrounding stroma shows evidence of desmoplastic reaction.
Immunohistochemistry:
1. Estrogen Receptor (ER): Positive staining observed in approximately 80% of tumor cells.
2. Progesterone Receptor (PR): Positive staining observed in approximately 70% of tumor cells.
3. Human Epidermal Growth Factor Receptor 2 (HER2): Negative staining observed, indicating HER2 negativity.
Final Diagnosis: Invasive Ductal Carcinoma, Grade 3

- Estrogen Receptor Positive (ER+)
- Progesterone Receptor Positive (PR+)
- Human Epidermal Growth Factor Receptor 2 Negative (HER2-)

Comment: The histological and immunohistochemical findings are consistent with invasive ductal carcinoma of the breast, grade 3. The tumor demonstrates hormone receptor positivity, suggesting potential responsiveness to hormonal therapy. HER2 negativity indicates a lower risk for aggressive behavior. Further correlation with clinical and radiological findings is recommended for appropriate management planning.
Pathologist's Name: Dr. Sarah Thompson, MD Board-Certified Pathologist