

Pathology Report - Breast Biopsy

Patient Information

Patient Name: Jane Doe

Age: 45

Date of Biopsy: 2025-03-17

Referring Physician: Dr. John Smith

Pathology Lab: ABC Diagnostic Center

Specimen Details

Biopsy Type: Fine Needle Aspiration (FNA)

Specimen Site: Left Breast, Upper Outer Quadrant

Microscopic Examination

Cellular Morphology: Epithelial cell clusters present

Nuclear Pleomorphism: Moderate

Mitotic Activity: Increased

Necrosis: Absent

Inflammatory Response: Mild

Computed Measurements (WBCD Features)

Feature	Mean	Standard Error	Worst Value
Radius (mm)	14.2	0.8	24.1
Texture	18.3	1.2	28.4
Perimeter (mm)	92.4	4.3	132.5
Area (mm ²)	600.1	30.5	1200.3
Smoothness	0.102	0.005	0.142
Compactness	0.160	0.012	0.345
Concavity	0.210	0.020	0.550
Concave Points	0.120	0.008	0.310
Symmetry	0.190	0.010	0.350
Fractal Dimension	0.065	0.003	0.098

Diagnosis & Interpretation

Tumor Type: Malignant (Invasive Ductal Carcinoma)

Grade: Grade 2 (Moderate Differentiation)

Hormone Receptor Status:

- Estrogen Receptor (ER): Positive
- Progesterone Receptor (PR): Positive
- HER2: Negative

Recommendations

Further imaging (MRI, PET scan) to assess tumor spread.

Consultation with an oncologist for treatment planning.

Suggested treatment: Surgery + Chemotherapy + Hormonal Therapy.

Pathologist's Signature

Dr. Emily Carter, MD, PhD

Board-Certified Pathologist

ABC Diagnostic Center