

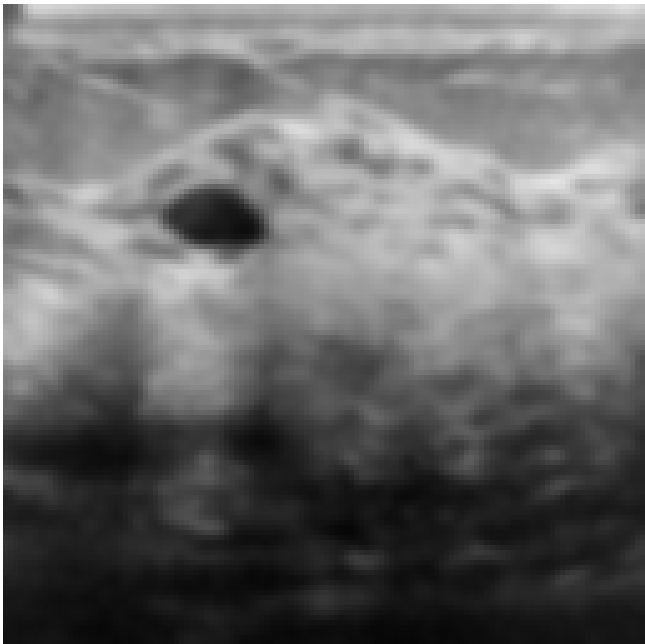
# Breast Cancer Segmentation Report

Generated by MIAI System

## Model Summary

Reported accuracy: 0.9010  
Lesion 1: (x=31, y=35), size=22x14, area=232

## Original vs Segmentation



Original Image



Segmentation Mask

## GPT Analysis

**\*\*Ultrasound Image Analysis Report\*\***

**\*\*Overall Observations:\*\***

- The original ultrasound image displays a heterogeneous texture with varying echogenicity.
- A distinct, darker region is visible, suggesting a potential area of interest.

**\*\*Mask Alignment/Coverage:\*\***

- The segmentation mask highlights a specific region corresponding to the darker area in the original image.
- The mask appears to align well with the area of interest, providing focused coverage.

**\*\*Artifacts:\*\***

- No significant artifacts are observed in the segmentation mask.
- The original image shows typical ultrasound texture but no apparent artifacts that affect interpretation.

**\*\*Summary:\*\***

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### **\*\*Summary:\*\***

- The segmentation mask effectively isolates the area of interest in the ultrasound image.
- Alignment between the mask and the original image is precise, enhancing focus on the targeted region.
- Overall, the segmentation provides clear delineation without introducing artifacts.