

A large, stylized pink ribbon graphic, symbolizing breast cancer awareness, is positioned on the right side of the page. It has a 3D effect with shadows and highlights, and it flows from the top right towards the bottom left.

Artificial Intelligence in Medical Imaging

MammoAssist

Early Stage Breast Cancer Detection



Telerad Tech[®]
Smarter Healthcare On Demand

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MAMMOASSIST

MammoAssist is an intelligent AI algorithm developed using Deep Learning and Image Processing approach in the field of radiology which analyzes Mammograms for **Early Stage Breast Cancer Detection**. It identifies critical clinical findings including **BI-RADS Categorization** in turn enhancing the ability of a radiologist to accurately report cases with High Accuracy and Efficiency. It provides **Standard Interface with Healthcare Systems** through industry standard protocols as well as it is capable of generating fully automated preliminary analysis report.

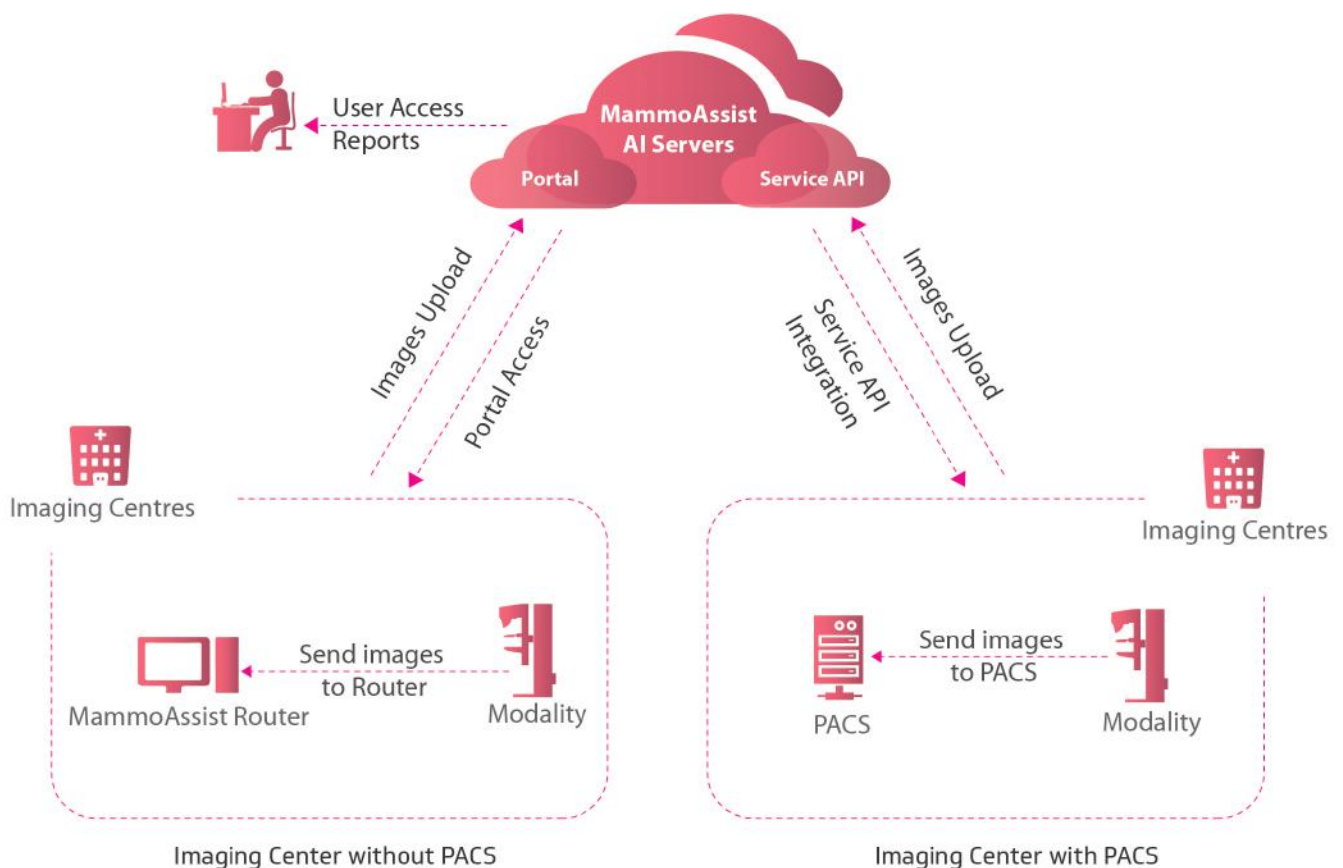
DETECTION CAPABILITIES

- ◆ Breast Parenchyma Composition
- ◆ Bilateral Breast Volume
- ◆ Micro & Macro Calcification
- ◆ Clustered Calcification
- ◆ Architectural Distortion
- ◆ Lesion & Lymph Node
- ◆ Shape, Size, Location & Density
- ◆ BI-RADS Categorization

VALUE PROPOSITION

- ◆ Critical Clinical Findings
- ◆ Mass Screening
- ◆ Structured Reporting
- ◆ Increased Productivity
- ◆ Enhanced Accuracy
- ◆ Improved Consistency
- ◆ Automated QA
- ◆ Detailed Preliminary Analysis Report

CLOUD BASED MAMMOASSIST



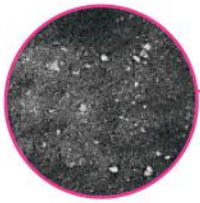
Preliminary Analysis Reports

Available in English | Spanish | French | Portuguese | Polish | Italian | German

CALCIFICATION MICRO, MACRO, CLUSTERED

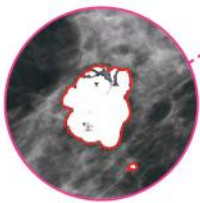
CASE - 1

MICRO CLUSTER CALCIFICATION

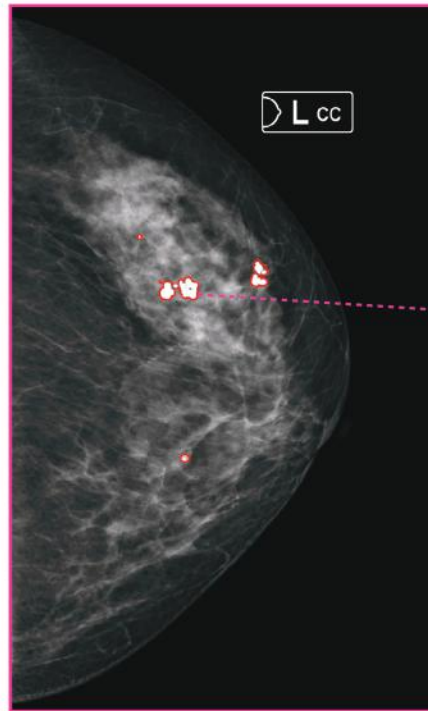
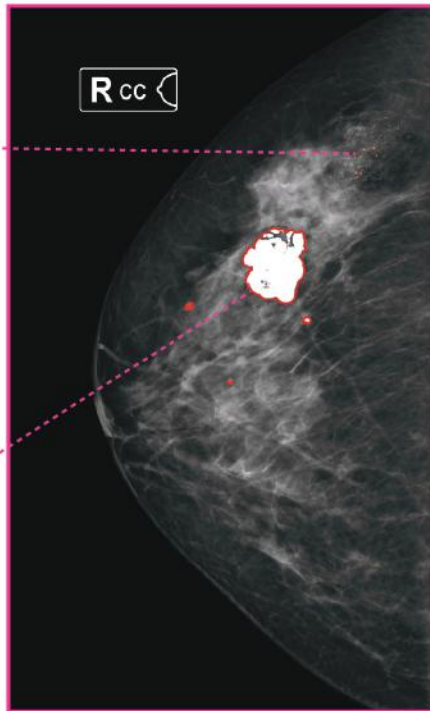


Cluster Count: 01
Location: Posterior Lateral

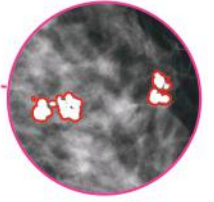
MACRO CALCIFICATION



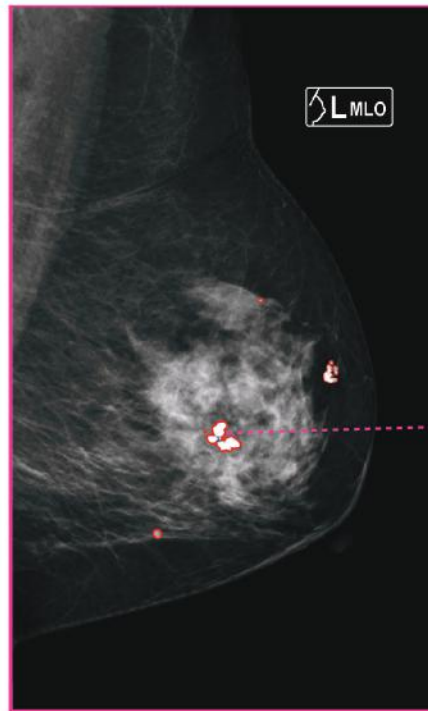
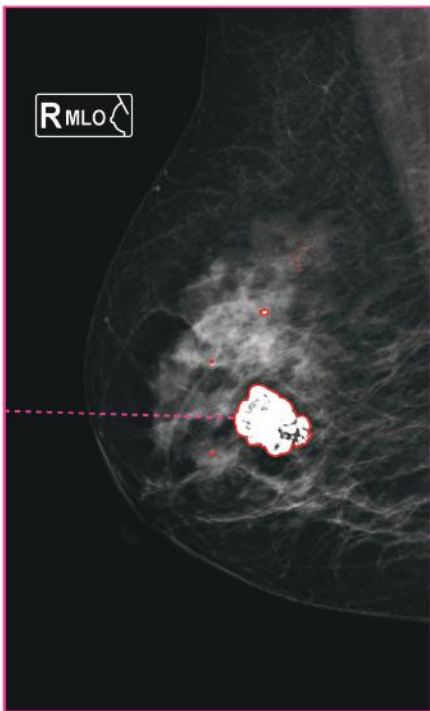
Macro Count: 04
Location: Posterior Medial
Size: 2.368 cm x 1.976 cm



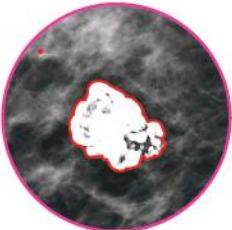
MACRO CALCIFICATION



Macro Count: 05
Location: Middle Lateral
Size: 1.315 cm x 1.002 cm

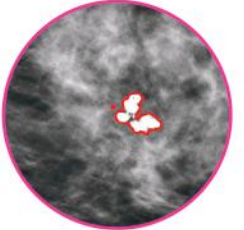


MACRO CALCIFICATION



Macro Count: 04
Location: Superior
Size: 2.494 cm x 2.346 cm

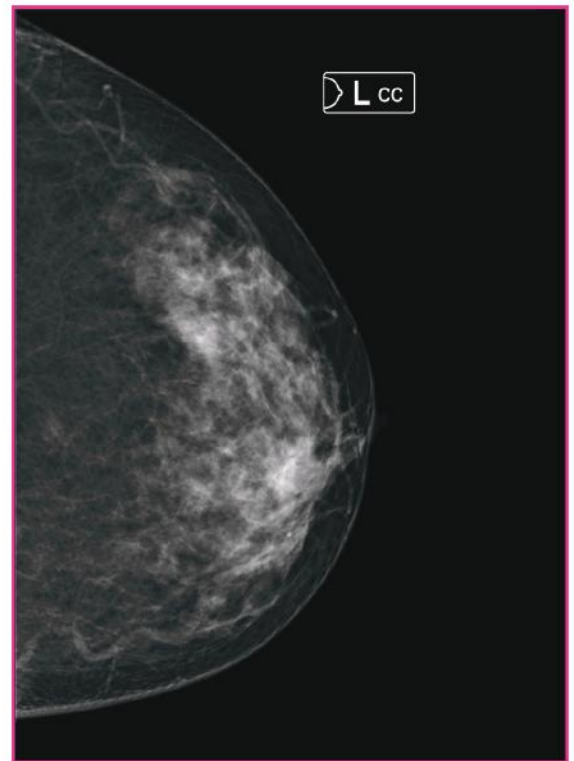
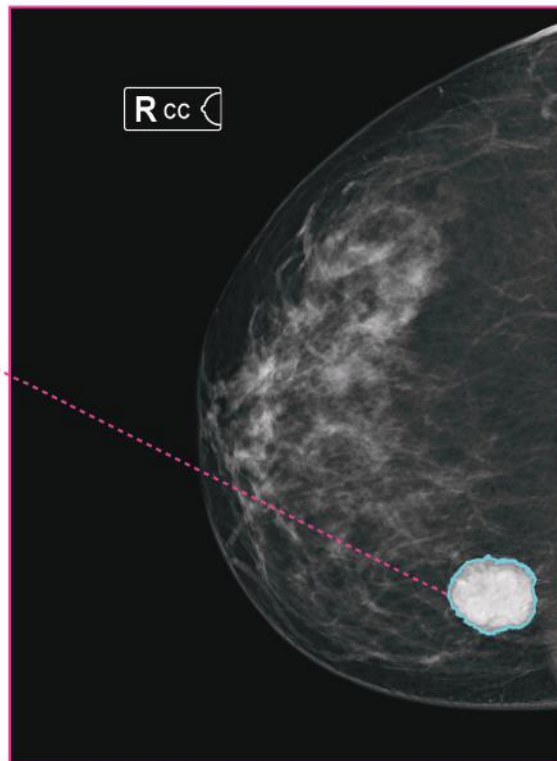
MACRO CALCIFICATION



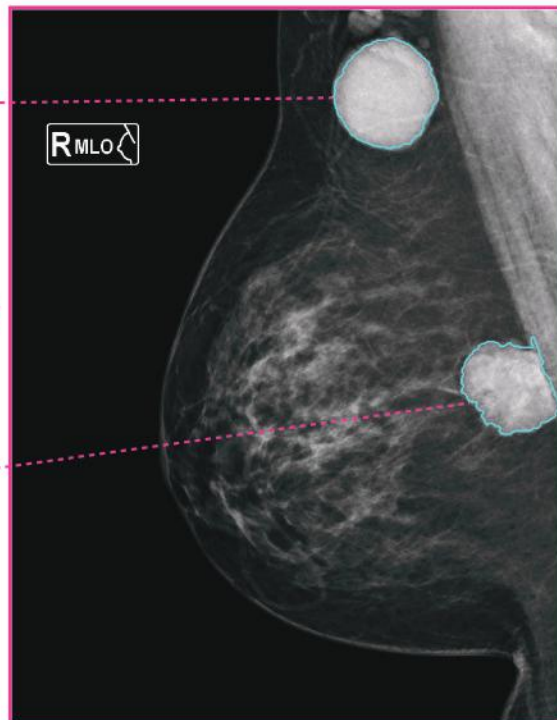
Macro Count: 06
Location: Inferior
Size: 1.208 cm x 1.107 cm

AI ANALYSIS

- Breast Parenchyma Composition: ACR Type 3 (Heterogeneously Dense)
- Bilateral Breast Volume: Asymmetric
- Calcification: RCC - Clustered Calcification detected at Posterior Medial position measuring 2.368 cm x 1.976 cm
LCC - Macro Calcification is detected at Middle Lateral position measuring 1.315 cm x 1.002 cm
- Lesion: Absent
- Architectural Distortion: Absent
- ACR BI-RADS Assessment Category – 4 (Probably Benign Finding - Short interval follow up suggested)



Shape: **Round**
Size: **2.755 cm x 2.680 cm**
Density: **High**
Location: **Posterior Medial**



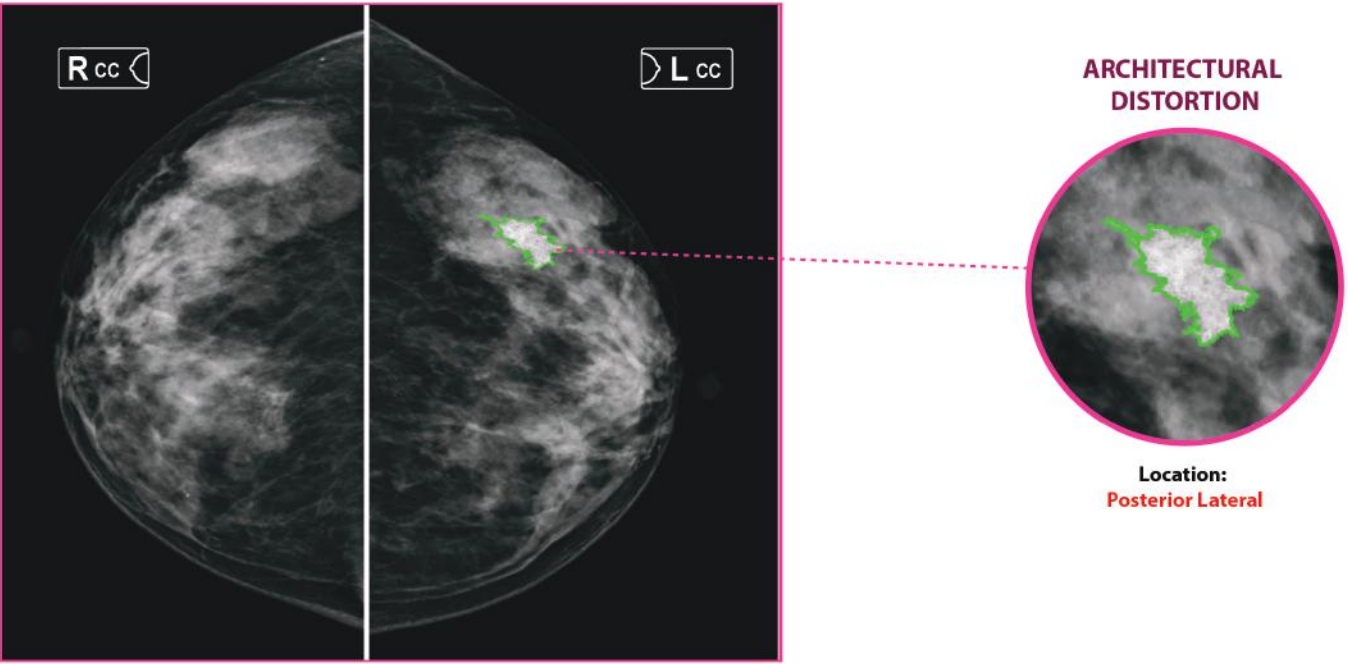
Shape: **Round**
Size: **3.734 cm x 3.267 cm**
Density: **High**
Location: **Posterior Superior**

Shape: **Round**
Size: **2.755 cm x 2.680 cm**
Density: **High**
Location: **Posterior Inferior**

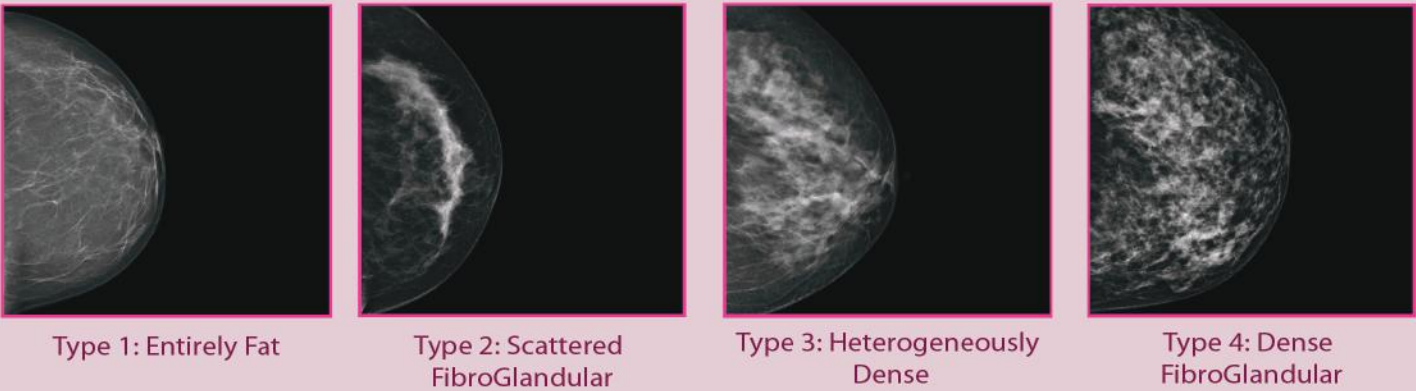
AI ANALYSIS

- **Breast Parenchyma Composition:** ACR Type 3 (Heterogeneously Dense)
- **Bilateral Breast Volume:** Asymmetric
- **Calcification:** Absent
- **Lesion:** RCC - High Dense Round Lesion detected at Posterior Medial position measuring 2.755 cm x 2.680 cm
RMLO - High Dense Round Lesion detected at Posterior Superior & Posterior Inferior position measuring 3.734 cm x 3.267 cm & 2.755 cm x 2.680 cm respectively
- **Architectural Distortion:** Absent
- **ACR BI-RADS Assessment Category – 5** (Probably Benign Finding - Short interval follow up suggested)

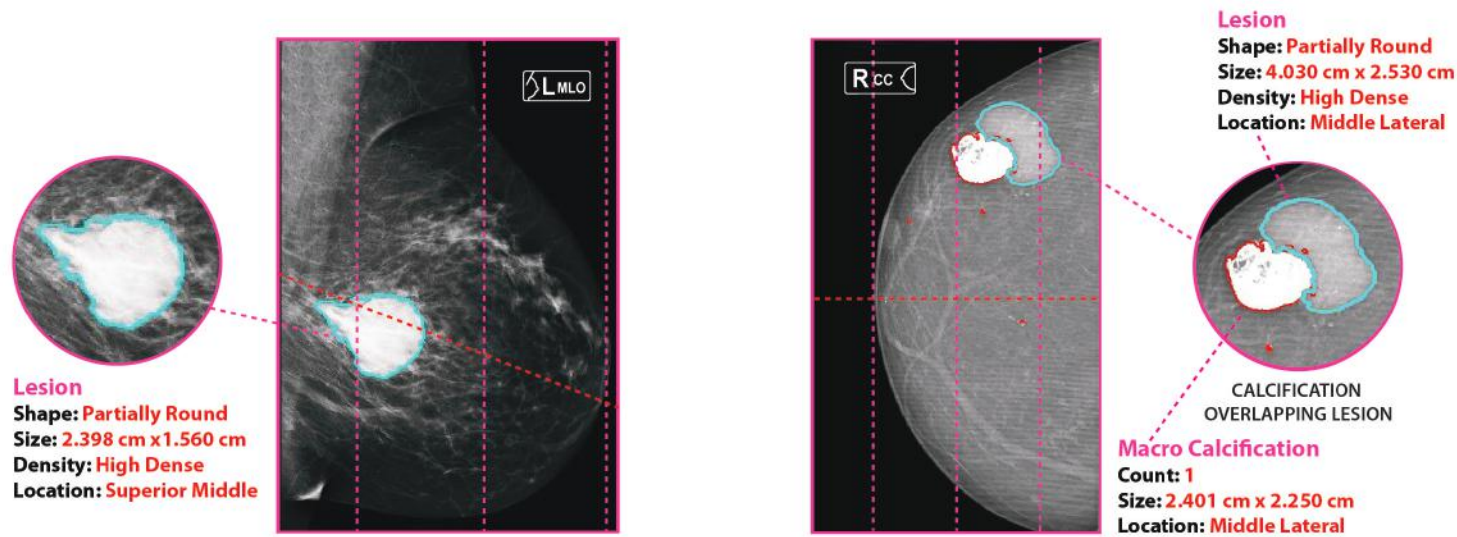
BILATERAL ASYMMETRY & ARCHITECTURAL DISTORTION



BREAST PARENCHYMA COMPOSITION



SHAPE, SIZE, LOCATION & DENSITY



Every 19th second, a woman is diagnosed with breast cancer &
Every 74th second someone dies from breast cancer



EARLY DETECTION SAVES LIVES

For demo, purchase or distribution enquiries, please contact:

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Disclaimer:

MammoAssist generates a preliminary diagnosis report for Mammography through an AI Algorithm. The intended use of report is to enhance the ability of the radiologist to improve the quality of diagnosis with a high degree of consistency and accuracy. The findings, and/or opinions should not be considered as definitive diagnosis or as a substitute for any professional medical advice, diagnosis or treatment. Telerad Tech will not be responsible or liable for any information obtained through this report.

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