

# Breast Health Report

## Thermalytix™ 360

### General Details

Name: [REDACTED] Centre: VIMED Poland  
Age: 51 Report Generation Date: Dec 21, 2023, 5:29 PM  
Gender: Female Scan Date: Dec 21, 2023, 2:06 PM

### Clinical Details

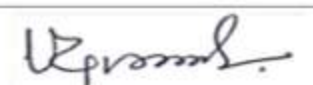
Age at Menopause: 51 years. Hormone Therapy: None.  
Pregnant/Lactating: No. Number of children breast-fed: 2  
Patient Complaints: Lump in left breast LOQ LIQ and Lump in right breast UOQ UIQ LOQ LIQ. Pain in right breast. Nipple Discharge in right breast.  
Cancer History: Patient had breast cancer. cancer grandmother- no information what kind  
Surgeries: None.

### Thermalytix Scores

Body Temperature: 25.84 °C to 34.70 °C  
Hotspot Score: 0.89 Hotspot Symmetry: 4 %  
Areolar Score: 0.94 Areolar Symmetry: 0 %  
Vascular Score: 0.62 Ensemble Score: 0.94  
**B Score: 5**

### Thermal Analysis

Thermal Parameters	Right Breast	Left Breast
Number of Hotspots	2	1
Extent	Hot spots seen in 46.3% of region of interest.	Hot spots seen in 2.2% of region of interest.
Hotspot Shape	9 irregular, 7 distorted	7 irregular, 4 distorted
Temperature	2.39°C increase wrt surrounding region	1.79°C increase wrt surrounding region
Areolar Hotspot Detected	Yes	No
Lump Detected	Hot lump UOQ UIQ LIQ LOQ	Hot lump LOQ

  
Dr. H.V. RAMPRAKASH MBBS, DMRD, MD,  
CE, Thermography (ACCT, USA)  
IMAGING SPECIALIST

# Breast Health Report


## Thermalytix™ 360

### Impression

Right Breast	Multiple focal thermal patterns are noted. Thermal increase is seen near areolar region. Ill defined and highly spiculated margins are observed. Asymmetrical thermal pattern is observed.
Left Breast	Focal thermal pattern is noted. Slightly distorted and mild spiculated margins are observed. Asymmetrical thermal pattern is observed.

### Recommendation

In view of increased thermal activity in right breast Follow up with breast ultrasound recommended for confirmation of pathology.

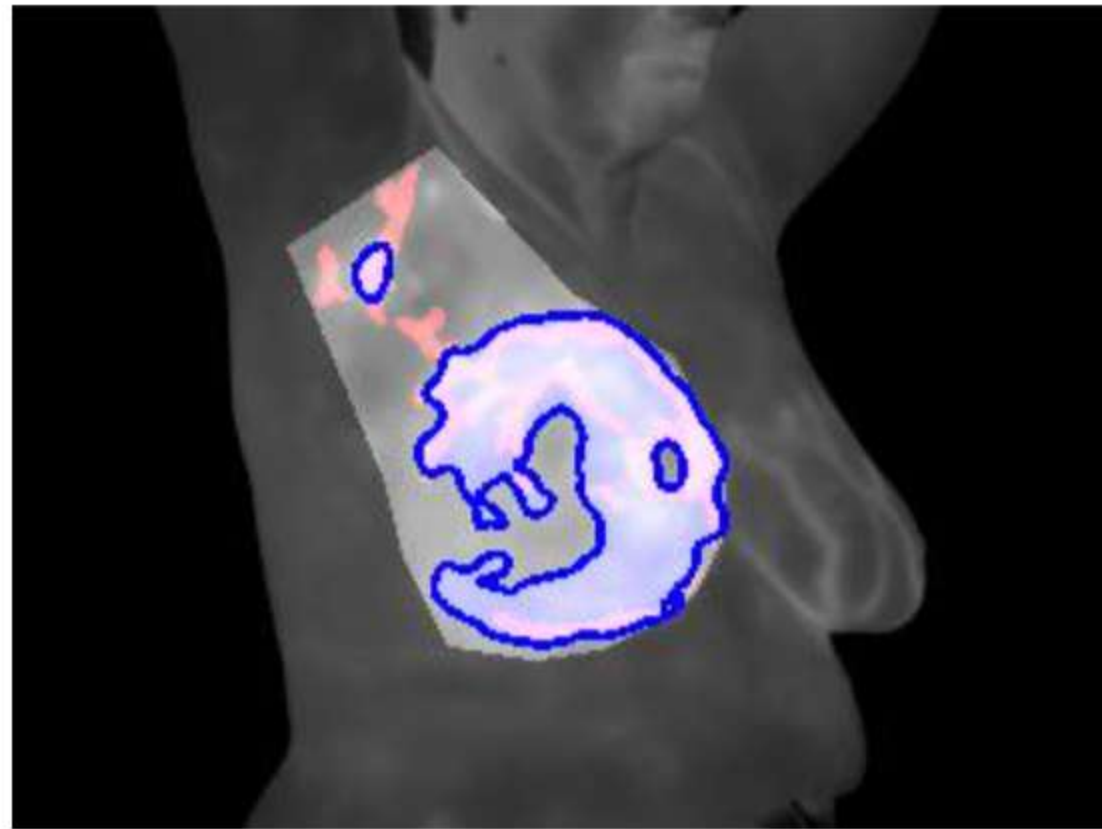
  
Dr.H.V.RAMPRAKASH MBBS.DMRD.,MD.  
Cli.Thermography (ACCT.,USA)  
IMAGING SPECIALIST



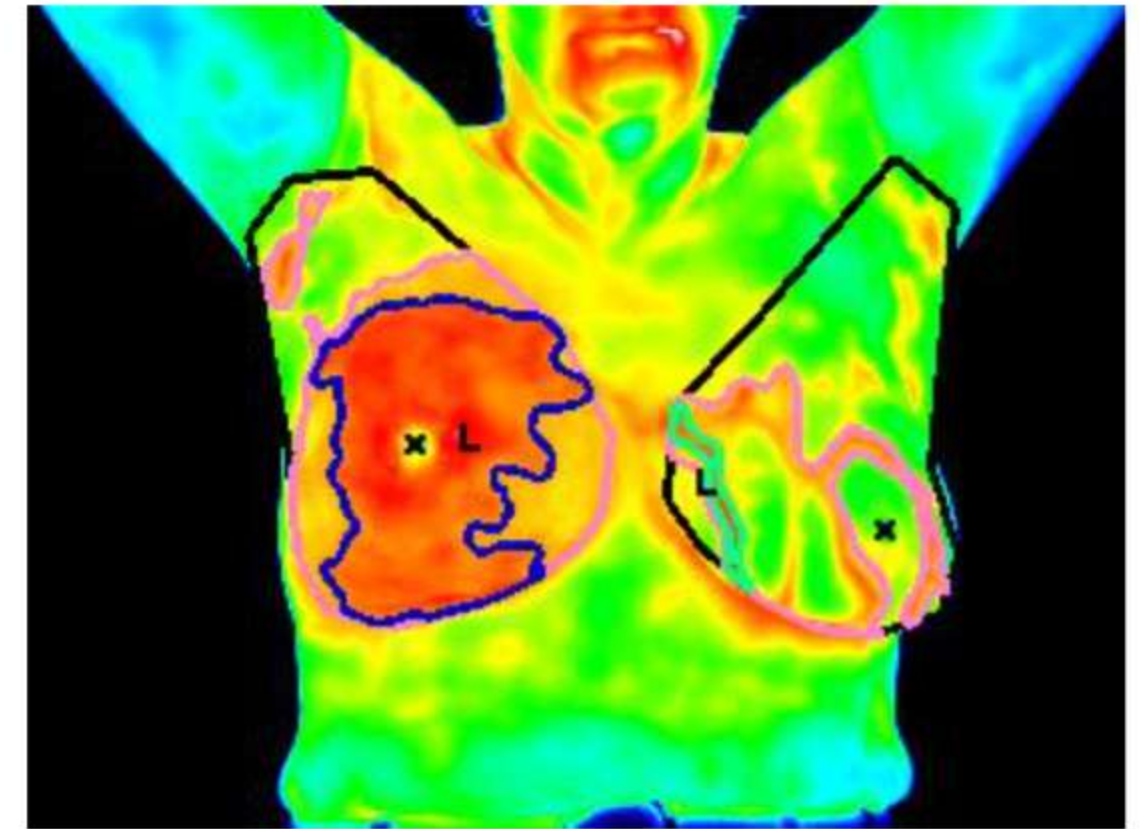
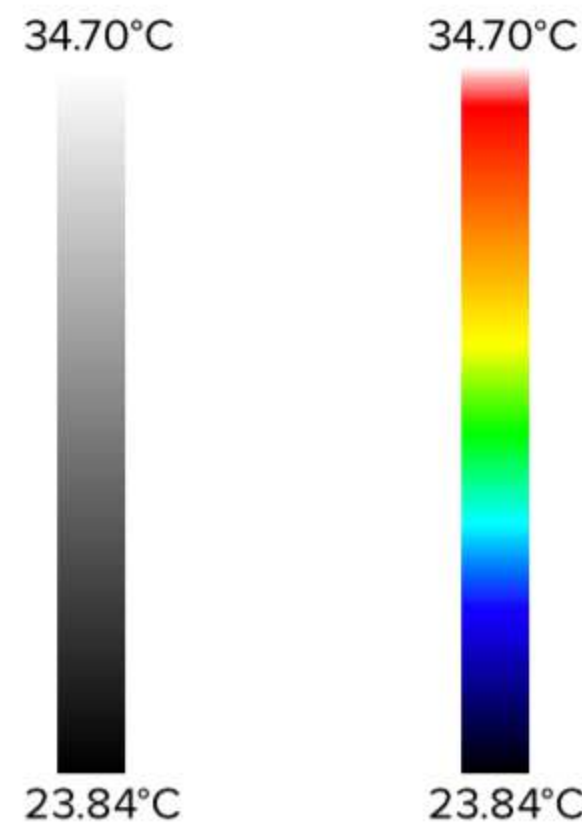
# Breast Health Report

## Thermalytix™ 360

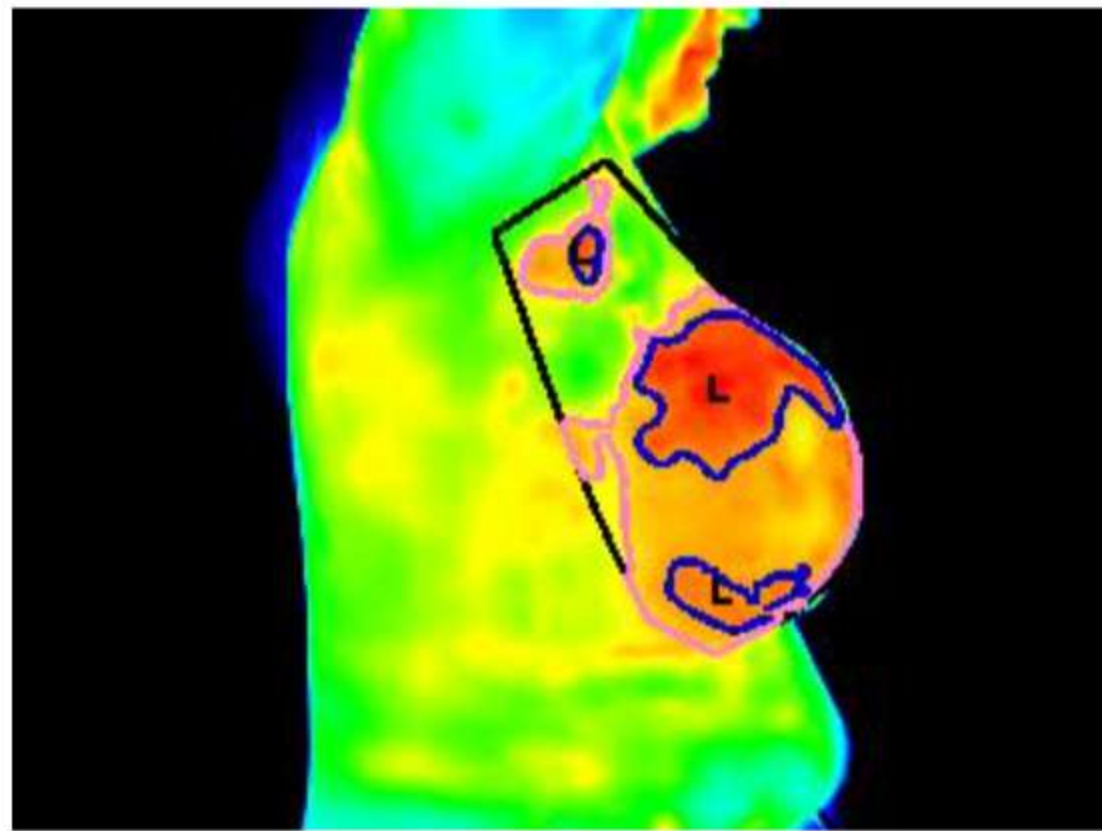
### Annotated Thermal Images



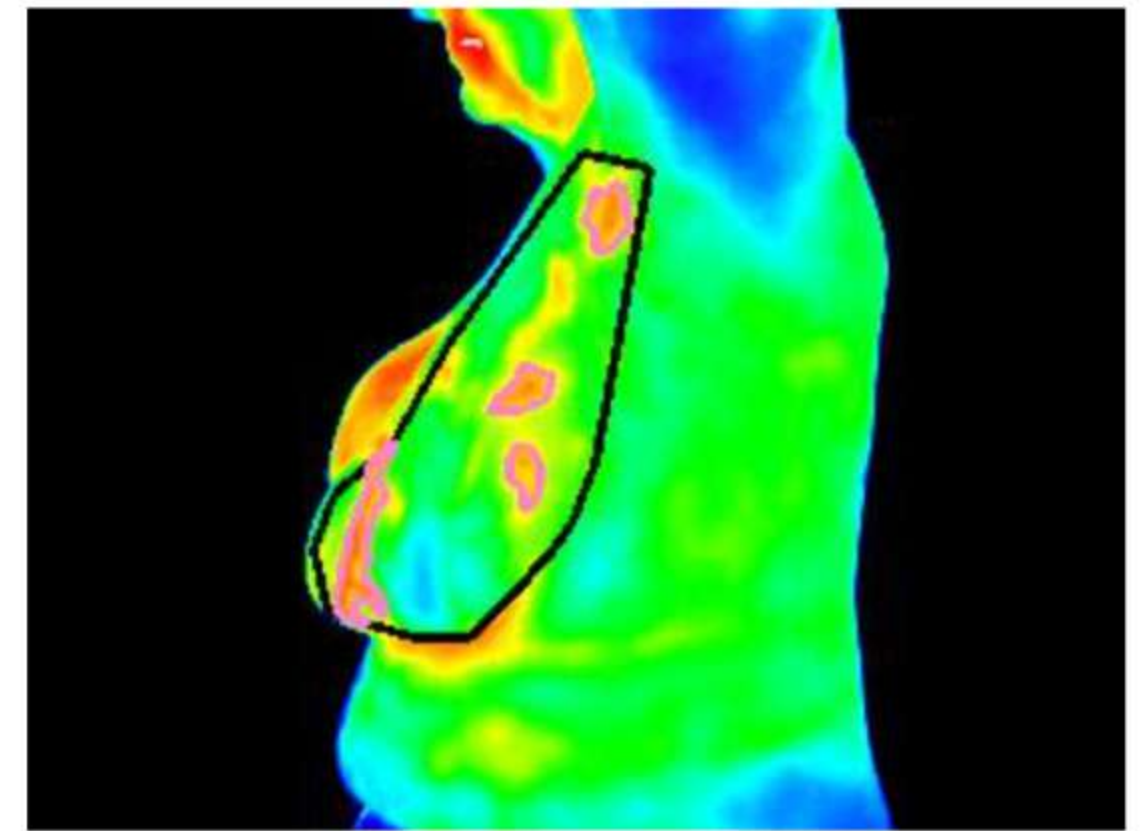
Best View (Grayscale)



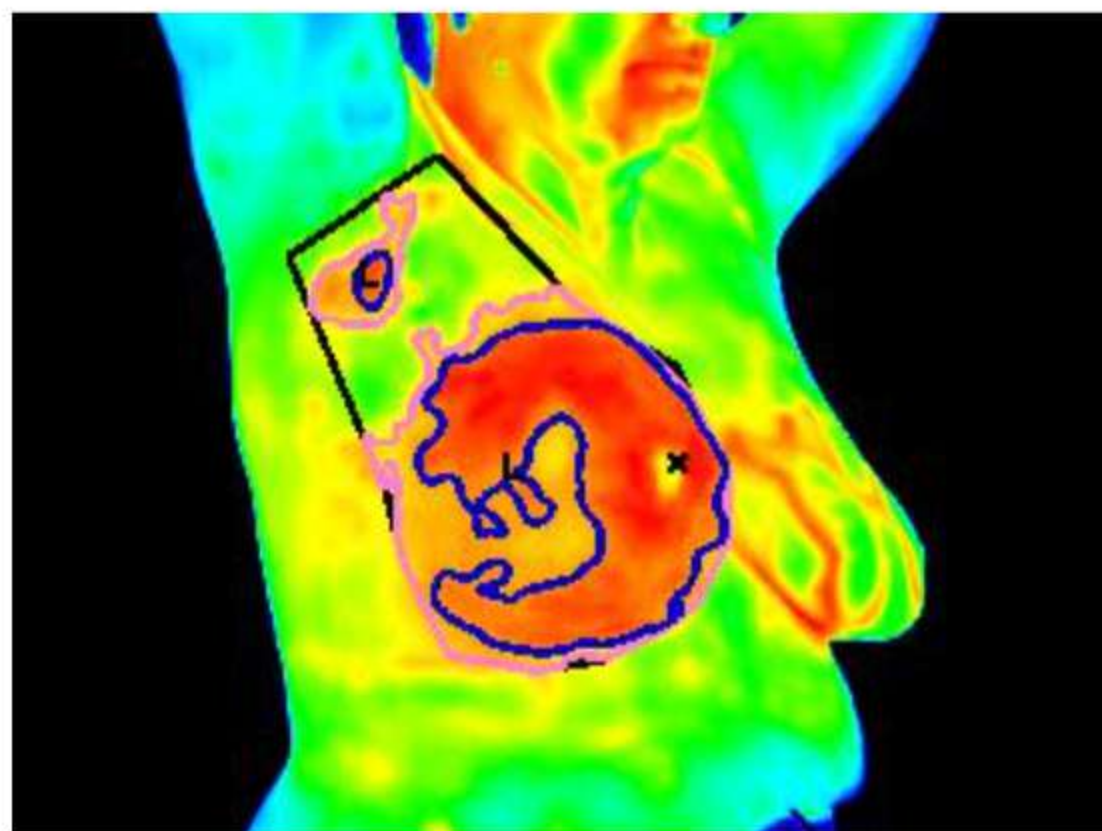
AP View



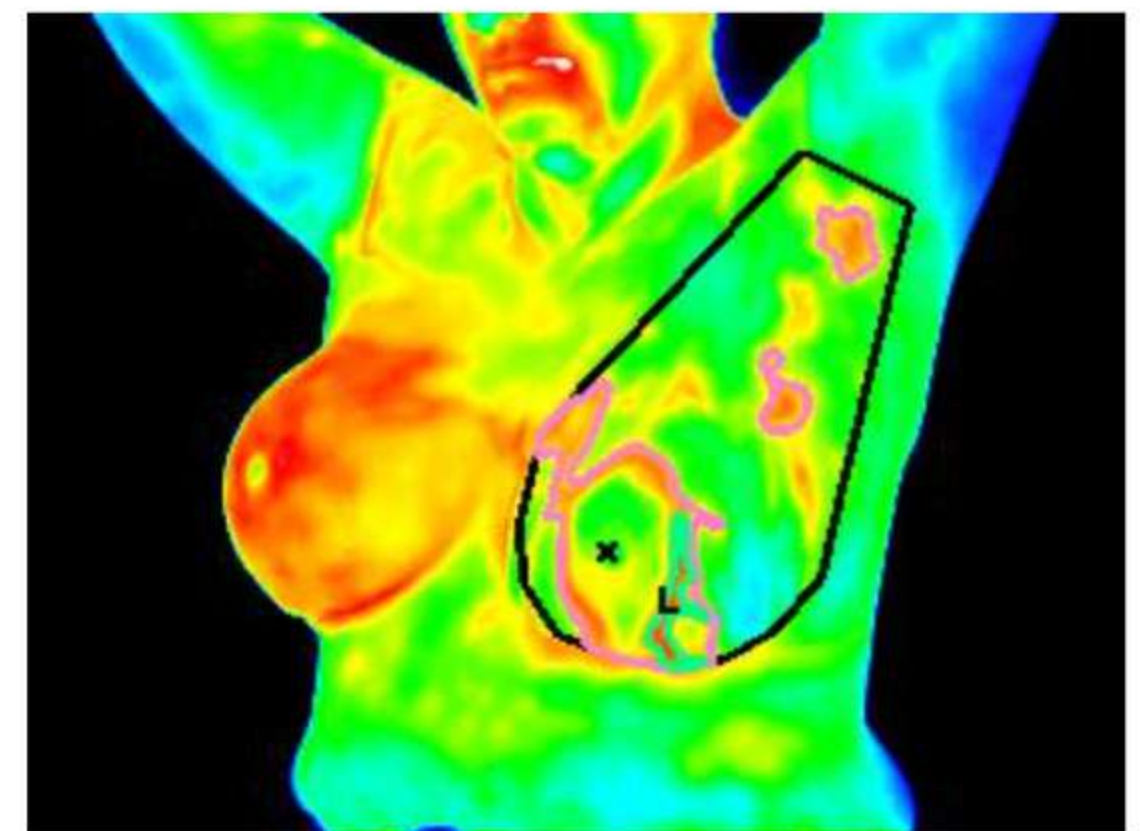
Right Lateral View



Left Lateral View



Right AP-Lateral View



Left AP-Lateral View

*V. Prakash*  
 Dr. H.V. RAMPRAKASH MBBS, DMRD, MD,  
 CE, Thermography (ACCT, USA)  
 IMAGING SPECIALIST



# Breast Health Report

## Thermalytix™ 360

### About Niramai

---

#### Indication of Use :

Thermalytix™ is a medical device intended to be used for screening and early diagnosis of breast cancer in women above 18 years in a hospital, healthcare practitioner facilities, or in an environment where patient care is provided by healthcare personnel. It can also be used as an adjunct to screening mammography or breast ultrasound. Women who are found to be suspicious for malignancy by Thermalytix™ should be referred for a confirmatory diagnostic test. Primary diagnostic and patient management decisions are made by a qualified healthcare professional.

#### Intended Use :

Thermalytix™ is a medical device for the detection of breast lesions with suspected malignancy. The device is intended to assist a trained healthcare professional in risk assessment, screening, and early diagnosis of breast cancer in both asymptomatic and symptomatic women.



**No Touch**



**No Pain**



**No See**



**No Radiation**

This report has been generated using novel algorithm developed by Niramai which uses artificial intelligence for quantitative analysis of thermal images.

NIRAMAI is a health tech company with a mission to save lives by enabling early detection of breast cancer. Thermalytix™ is an AI-based computer-aided diagnostic engine developed by Niramai that detects breast abnormalities in privacy aware manner.

Thermalytix™ uses a high resolution thermal sensing device and an intelligent software solution for analysing thermal images for reliable, early and accurate breast cancer screening.

To know more about Thermalytix™: <https://www.niramai.com/about/thermalytix/>

