

## THERMAL BREAST IMAGING REPORT

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Patient: Jane Smith	DoB: 03/15/1927	Date of Exam: 09/16/2013
Technician: Karla Porter, CTT		Date of Report: 09/19/2013
Imaging Center: Insight Thermal Imaging		

Dear Ms. Smith,

Thank you for the opportunity to review your images. The results of your examination are detailed below. To best understand these results, we strongly recommend that you read the accompanying "Understanding Your Thermal Imaging Report" guide.

**Relevant History:** You have no current breast concerns. Physical breast examination of spring 2013 was normal. You've had no prior breast imaging. You used birth control pills for two years. You previously used progesterone. Your maternal grandmother had breast cancer. Physical breast examination after the thermogram revealed tenderness in the right breast and multiple dense fibrous areas. A nodular area was noted at the 5 o'clock position of the left breast along with tenderness throughout.

**Results and Conclusions:** Medium to high risk is suggested for the left breast.

**Thermal (TH) Risk Rating for Each Breast:** This unique TH rating describes the level of inflammation and blood vessel activity in your breasts which can contribute to both current and future risk. The higher the rating, the greater the risk.

<b>Your Risk Ratings:</b>	<b>Right: TH 2</b>	<b>Left: TH 3+</b>
LOW TH-1	TH-2	TH-3
TH-4	TH-5	HIGH
<i>A (+) or (-) after the TH value indicates a rating between TH grades.</i>		

**Hormonal Grade for Estrogen Activity:** This grade describes the level of estrogen activity occurring in your breasts. This activity can be associated with breast pain, breast lumps and/or increased risk.

<b>Your Hormonal Grade for Estrogen Activity:</b>	<b>2</b>
NONE 0	1
2	3
4	HIGH
<i>Note: Mild whole breast inflammation and congested lymph can simulate the appearance of estrogen activity.</i>	

**Follow-Up Recommendations:** I recommend that you see your doctor for further evaluation of your left breast. I recommend that you return for follow-up thermal breast imaging in three to six months to determine if there are any changes to your level of risk.

**Findings Contributing to Your Results:** The notable temperature patterns listed below represent areas of inflammation and vascular activity contributing to your risk rating along with findings to be monitored on future examinations. When temperature differences between breasts exceed the normal range, a finding is considered to be more significant than one within normal limits.

**Notable Temperature Patterns:**

- Symmetrical upper breast vascular warming consistent with medium estrogen activity.
- Left inner breast vascular warming extending to the lower inner quadrant, lower breast surface, and lower outer quadrant outside the normal range.
- Left outer breast vascular warming.
- Symmetrical warming response in both breasts. Since this occurred symmetrically, it does not affect the risk rating.

**Findings Dependent on Temperature Differences Between Breasts:**

Finding	Temp Difference	Normal Range
Left Inner Breast Vascular Warming	1.46 Deg C	0.00 - 2.00 Deg C
Left Lower Inner Quadrant Vascular Warming	1.91 Deg C	0.00 - 1.00 Deg C
Left Lower Breast Vascular Warming	1.46 Deg C	0.00 - 1.00 Deg C
Left Lower Outer Quadrant Vascular Warming	2.50 Deg C	0.00 - 1.00 Deg C
Left Outer Breast Vascular Warming	2.05 Deg C	0.00 - 2.00 Deg C

**Procedure Description:** Thermal breast imaging is a breast health risk assessment tool that is used in addition to standard screening and/or diagnostic examinations for breast cancer. It is not a stand-alone examination. When interpreting these images, we look for unusual patterns of blood vessels and warming that can suggest risk for the presence of breast cancer or risk for developing cancer in the future. Since the causes of the examination findings cannot be determined by the images alone, additional examinations are always required before a final diagnosis can be made. Your examination was performed using a high-resolution computerized thermal imaging camera in a controlled environment after following strict pre-examination protocols to insure the accuracy of the findings. Thermal imaging does not replace any other breast examination.



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