FOR IMMEDIATE RELEASE

POSITION STATEMENT ON THERMOGRAPHY

Responding to a report issued by CBC news November 27, 2012, representatives from Thermography Clinic Inc. want Canadians to be accurately informed about breast thermography, its benefits and limitations.

Thermography, as a whole, should not be discredited simply because of the misinformation and low integrity of one company. We at Thermography Clinic Inc. and its affiliates have been consistently cautious and strict not to sell fear, and to stay true to fact. We do not embellish thermography, nor do we use aggressive marketing techniques.

Accountability and Regulation:

The use of Thermography has internationally established protocols and procedures that, when adhered to, provide women with further information that may be useful to their health. We will be submitting an application for regulation with provincial authorities across Canada to ensure that thermography is available and held to the highest standards.

Studies:

Please refer to http://www.thermographyclinic.com/study-index for a list of thermography studies.

FDA Approved:

The American Food and Drug Administration (FDA) approved medical thermography an adjunctive test in breast cancer screening in 1982. We agree with the FDA position that thermography is not a stand-alone technology and have never deviated from this position in our practice.

Right to Proactive Health Care:

We believe that women deserve choice when it comes to their health. Thermography provides women and their health care practitioners with additional information. It is not intended to replace mammography. Studies have shown that Breast Thermography, combined with structural testing (mammography) and self-breast examination, provides women with information they can use to make their
health decisions.

Over many years, we have helped thousands of women with breast health and prevention. We work with utmost integrity and care. We believe many women would not be alive today if we did not have this knowledge and technology. Unfortunately, many women will suffer immensely if the use of thermography is prohibited.

**BREAST THERMOGRAPHY – AN OVERVIEW**

Breast thermography is a physiological test that provides information on temperature and infrared heat patterns of the breast. Because the skin naturally emits thermal radiation (heat), it is well suited to infrared imaging. Thermography differs from mammography in that it provides information on the biological activity of the breast versus the gross internal anatomy. Infrared imaging is a functional test, whereas mammography is a structural test.

As a functional test, thermography can detect breast abnormalities that other screening methods cannot identify, namely thermal and vascular changes. The increased metabolic activity seen on a breast thermogram can be an indication of injury, mastitis, fibrocystic breast disease or cancer. These functional changes are thought to take place before the onset of structural changes that can occur in diseased or cancerous states. A persistent abnormal thermogram can alert the physician to the need for further investigation and identify women who need to be more closely monitored.

Because thermograms in a healthy woman remain remarkably constant, serial thermograms can assess tissue changes over time. A healthy initial thermogram serves as a baseline to compare future thermograms against.

**Recognizing the Limitations of Thermal Imaging**

Thermography cannot, and does not, diagnose breast cancer. This is true also for anatomical tests such as mammograms, ultrasounds and magnetic resonance imaging. Such tests provide information on the different aspects of the disease process and identify the need for further investigations. A biopsy of the breast and accompanying histological evaluation is the only definitive diagnostic test for breast cancer.

**Understanding the Strengths of Breast Thermography**

Thermography is a non-invasive, contact-free procedure that doesn’t require compression of the breasts. There is no exposure to radiation, which means repeat tests are safe and without risk. One of the key benefits of thermography is its effectiveness in women with dense breasts, making it suitable for:
Younger women – approximately 18% of breast cancers are diagnosed in women during their forties. Women who develop breast cancer at a younger age tend to have more rapidly growing cancers that are more likely to metastasize.

Women taking hormone therapy – results from the Women’s Health Initiative trial revealed a significant increase in invasive breast cancer when taking synthetic hormone replacement therapy. Serial thermograms can also help monitor the effects of hormone treatment for fibrocystic breasts.

Women with fibrocystic changes – fibrous breasts are very dense and can mask early cancers, particularly if no micro calcifications are present. Research shows that approximately 40% of women with fibrocystic disease and an abnormal thermogram develop breast cancer within 5 years. Conversely, women with fibrocystic disease and a normal thermogram have a less than 3% likelihood of developing breast cancer. Thermography can also provide early warnings of breast abnormalities and highlight potentially suspicious cases particularly when mammographic and clinical exams are equivocal, or non-specific.

Thermography as an Independent Risk Marker  An estimated 60-70% of women diagnosed with breast cancer have none of the obvious risk factors. For this reason, breast cancer has been considered an equal opportunity killer. According to researchers, a persistent abnormal thermogram is thought to be the single greatest indicator of breast cancer risk and is considered 10 times more important than a positive family history for the disease.

The Value of Thermography as a Complementary Tool  An increase in the detection rate of breast cancer has been demonstrated in a number of peer-reviewed studies with the combined use of clinical breast examination, mammography and thermography. In one study using high-resolution thermography, an abnormal thermogram coupled with a positive mammogram and clinical breast exam was associated with a 98% sensitivity rate for breast cancer detection. Results from a recent 2010 trial showed an 89% sensitivity rate for the detection of breast cancer in women under 50 when thermal imaging and mammography were combined. The increase in sensitivity relates to the fact that mammography and thermography do not always identify the same lesion.

Summary

Thermography is not a competitor to, nor a replacement for mammography. Rather, it is an adjunct tool that can identify areas of abnormal thermal symmetry, which are often associated with underlying pathology. When used together with mammography, thermography may contribute to the best possible evaluation of breast health.
References:


