**What is THERMOGRAPHY IMAGING?**

Medical thermography – also known as medical thermal imaging and digital infrared thermal imaging (DITI) – is a painless, safe, non-invasive procedure that uses a thermal imaging camera to detect heat and inflammation within the body.

Thermography is a totally non-radiation clinical imaging procedure for detecting and monitoring a number of diseases and physical injuries by showing the thermal abnormalities present in the body.

Thermography Imaging, Inc. offers thermograms of all areas of the body. Our patients are children and adults of all ages. We can scan any area including breast, upper body, lower body, full body or specific regions of interest. Medical thermal imaging is generally used to assist in diagnosing disease and determining prognosis. It often complements other forms of medical testing such as mammograms, MRIs and CT scans.

**Early Diagnosis Saves Lives**

Thermography Imaging, Inc. uses the Meditherm med 2000™ – the only FDA registered Class 1 medical screening device on the market.

**DETECTS UNDERLYING INFLAMMATION & DISEASE**

SAFE, PAINLESS, NON-INVASIVE, FDA REGISTERED

**THERE IS LIFESAVING VALUE IN THERMOGRAPHY!**

Reserve an appointment for you and a loved one today. This was meant for you.

**YOUR HEALTH, REVEALED IN COLOR**

An ounce of prevention is worth a pound of cure.

Benjamin Franklin

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Nerve Pain
Referred can detect many kinds of pain. If you have arthritis, regular a picture of inflammation and helps locate the source of Joint
Breast

An ounce of prevention is worth INSIDE FAR LEFT INSIDE RIGHT INSIDE FAR RIGHT
Sprains, Strains Myofascial Visceral Pain Digestive & Sports Injuries Pain Syndromes, (Stroke) Screening Headaches & Artery Musculoskeletal Injuries & Ligament Soft Tissue Injuries Spinal Pain & Neck Vascular Pain functions and can guide your doctor to further treatment or Prevention is key!

The most beneficial application of medical thermography is the screening of kids and adults for overuse injuries to prevent further trauma.

Prevent further injury by Reserving your thermography session today 703.270.1808

It takes years for a tumor to grow; thus, the earliest possible indication of abnormality is needed to allow for the earliest possible treatment and intervention. DITI's role in monitoring breast health is to help in early detection and monitoring of abnormal physiology. There is lifesaving value in performing a safe, radiation free breast scan with Thermography Imaging.

Why Thermography? "Should one part of the body be hotter or colder than the rest, then disease is present in that part" –Hippocrates

Hippocrates' influence is still present in the modern Hippocratic oath that all physicians must take in order to practice medicine. After 2500 years this statement is only now becoming more understood by contemporary medical scientists and physicians.

Thermography is a phenomenal tool for breast imaging because it is a very sensitive and reliable means of detecting and locating thermal abnormalities. These abnormalities are manifested through the infrared radiation our own bodies emit naturally. In fact, every single individual emits what amounts to one's own unique thermal fingerprint as it were. This thermal profile is typically symmetric in character remaining fairly stable and static throughout an individual's lifetime. Thermography is incredibly useful from a diagnostic perspective because any changes to our normal thermal pattern becomes detectable through thermal imaging. Such aberrations to thermal patterns are typically caused by early cell changes (pathology) and become indicative of early forms of cancer, dysfunction, or other diseases. Monitoring changes over periods of time with this technology is the most efficient means of identifying potential pathologies that may require further investigation.

Thermography works because our sympathetic nervous system is the primary regulator of blood circulation in the skin, hence the primary regulator of thermal emissions that one emits. The varying thermal emissions our bodies transmit are like beacons that inform a physician where to investigate further. In the case of suspicious vascular activity within the body, such as that associated with tumors for instance, a patient's pre-existing blood vessels will form new blood vessels like branches to feed an actively growing tumor.

Consequently, these tumors are characterized by increased angiogenesis or what are referred to as “hot spots”. The result is an increase in site-specific metabolic activity leading to higher temperature gradients compared to surrounding tissue that shows no thermal irregularities. Additionally, the faster that a malignant tumor grows, the more infrared radiation it generates. Thermography can detect such subtle heat patterns and changes in breast temperature which are strongly indicative of breast disease and abnormalities.

An ounce of prevention is worth a pound of cure. - Benjamin Franklin

In the case of breast cancer, it may take years for a mass to develop to a size that can be felt through examination or seen on a diagnostic test. Thermography allows the budding cells associated with breast cancer to be seen in the earliest stages of breast cancer. It captures the vascular pathways being established many years before the actual mass forms. Thermography imaging allows one the opportunity to be PROACTIVE instead of reactive. Furthermore, breast cancer tends to grow almost twice as fast for women under the age of 50 due to the density of the breast tissue. Remember, you can increase your chances of detecting breast cancer in the earliest stages by understanding the need for and participating in an early detection program utilizing Thermography Imaging. Thermography as a health screening does far more than map the different temperature changes of the human body. It can also work to motivate people to lead a more prevention-based lifestyle.

We can actually see your pain, sometimes before it manifests.

Medical Thermal Imaging - the only technology that takes a picture of inflammation and helps locate the source of your pain. This clinical non-invasive scanning procedure can detect many kinds of pain. If you have arthritis, regular headaches, athletic injuries, upper or lower back, neck or unexplained pain, we can help.

Heart Disease/Stroke Prevention:

“Your life matters and early detection of a heart problem may save your life. When inflammation of the Canorted arteries is identified these indications often lead to more serious conditions like a stroke and blood clots. Thermography imaging aids in the detection of faulty heart functions and can guide your doctor to further testing or treatment. Prevention is key!”

TMJ Difficult to diagnose TMJ syndrome can be assessed to show the combined effects of inflammation as well as neurological dysfunction.

Autoimmune patterns are normally hypothermic and can relate to organ dysfunction like Coronary Artery Disease which is the most common type of heart disease.

The primary finding here is the local area of hyperthermia over the transverse processes of the lumbar spine. This finding is referred to as “hot spots”. The result is an increase in site-specific metabolic activity leading to higher temperature gradients compared to surrounding tissue that shows no thermal irregularities. Additionally, the faster that a malignant tumor grows, the more infrared radiation it generates. Thermography can detect such subtle heat patterns and changes in breast temperature which are strongly indicative of breast disease and abnormalities.

Lumbar Spine

Three stress fractures of the transverse processes of the lumbar spine. This patient fell from a ladder. X-ray was inconclusive, Scintigraphy showed the fractures.

Sprained Ankle

A painful ankle injury can be monitored through treatment and rehab.

Sprained ankle

Hypothermia

Autoimmune patterns of hypothermia over T2 can be used to monitor auto-immune system dysfunction.

Abnormal patterns of hypothermia over T2 can be used to monitor auto-immune system dysfunction.

Hypothermia

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Fibrocystic Significant vascular activity in the left breast which was clinically correlated with fibrocystic changes. We will continue to monitor for change over time with a second baseline image.

Ductal Carcinoma

The vascular asymmetry in the upper left breast was particularly suspicious and clinical investigation indicated a palpable mass. A biopsy was performed and a DCIS of 2 cm was diagnosed and tumor was removed.

Inflammatory Cancer

Prior to thermographic evaluation there would be no sign of abnormality when mammogram because it is not a "lump" cancer. We referred patient to a Breast Specialist who gave the diagnosis of Inflammatory Cancer at a very early stage.

Procedure

This quick and easy test starts with your medical history being taken before you partially disrobe for the scanning to be performed. This first session provides the baseline of your "thermal signature." A subsequent session assures that the patterns remain unchanged.

Painless • No Radiation • No Contact

Thermography can often see conditions BEFORE they become DISEASE.

Normal

Good thermal symmetry with no suspicious thermal findings. These patterns represent a baseline and won’t alter over time and can only be changed by pathology. We will be using this image to compare to patients future scans to detect any changes over time.

Breast Health

Lumbar Pain

Soft Tissue Injuries

Spiral Pain & Neck

Joint Pain

Myofascial Inflammation

Musculoskeletal Inflammation

Digestive Inflammation

Nerve & Painful Pathways

Neurological Pain

Vascular Pain

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