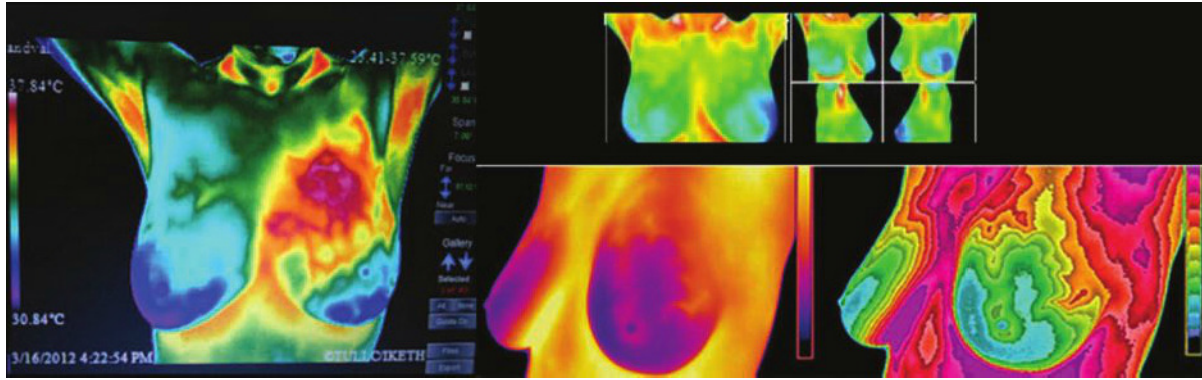


# Saving Lives with Infrared Thermal Imaging



By Anthony Piana, DC, FPACT  
Alexander Sepper, MD, PhD

**T**he history of thermography can be traced back to when the first cave woman felt the forehead of the first cave baby. Excess heat is a sign of inflammation, infection, or another pathological process in the body. Many early physicians knew this. Hippocrates put a clay/ mud mixture on his patients to see which areas dried first. He labeled those areas “areas of pathology.”

## A Long History of Taking Temperatures

Most of us grew up in households where school could only be missed if we had a temperature higher than 98.6. Typically, a parent would take our oral temperature to determine if we had a systemic infection. Modern hospitals take body temperatures on the initial intake. Early 20th-century medical research focused on taking temperature readings of smaller body regions. The theory that the body is symmetrical both anatomically and physiologically was explored. Point-to-point comparative temperature analyses were made and shown to be effective in diagnosing diseases. As technology improved, finer temperature differences were studied.

In 1956, Dr. Robert Lawson of Montreal published the first paper on diagnosing breast cancer with thermal studies. This approach to breast cancer detection caught on quickly and many researchers dedicated their careers to refining this science. Other pathologies also were explored with thermography, including thyroid disease, cerebrovascular function, neurology, and other systemic diseases.

## Politics Wins, Women Lose

By 1982, the use of thermography for the above diseases had cleared the FDA and was covered by Medicare. Unfortunately, various politically-oriented special-interest groups were heavily promoting radiographic methods, and by July 20, 1984, Medicare stopped paying for thermography for breast-cancer screening. This led to physicians recommending mammography instead of thermography. Only a few diehards, who realized the tremendous benefits thermography offered, stayed the course with thermography.

## Nearly 100% Accurate in Detecting Breast Cancer

More than 800 research articles have been published on breast screening and thermography, a proven technology with an approximate mean accuracy of 95%. A recent study performed by New York-Presbyterian Hospital at Cornell showed 97% sensitivity as it identified 58 of 60 tumors accurately. Today, thermography is practiced mostly by alternative doctors.

## Tumors Found 8-10 Years Sooner

Long before breast cancer registers as a solid impenetrable density on an X-ray, more commonly referred to as a mammogram, it develops a network of vascularity called angiogenesis, which feeds the developing tumor. The heat associated with the blood flow in these vessels is picked up by thermal sensing cameras. A good analogy is newly planted grass: Long before new grass can be seen, a network of roots must develop. A mammogram cannot see anything until the grass sprouts, while the thermal camera shows the developing roots.

Two parallel studies, one undertaken in the former Soviet Union and the other conducted at the University of Wisconsin, showed that approximately 70% of tumors will register on a thermogram 8-10 years before they can be seen on a mammogram. This extra time allows patients and doctors who work with this technology to improve lifestyles and to actually reverse many risk factors and developing cancers.

With the current poor outcomes of mammograms, as reported in the *New England Journal of Medicine* recently, it is truly time for all the ‘tools in the shed’ to be used. Mammograms are only 83.3% effective at identifying breast cancer in women over 50, and the effectiveness is much lower when applied to the general population of women (due to dense breast).

## Saving Young Women

Currently, there is no screening available for women in their 20s and 30s; these young women are left to fend for themselves. Sadly, in the U.S. alone, approximately 20,000 young women are diagnosed with breast cancer each year, many times finding their own cancers when they are in stage 3 and have spread to the lymph nodes. Annual thermography can significantly limit the tragedy of unnecessary mortality and of young families left behind.

## Lymphatic System/ Immunity

The most ignored and abused system in the body is the lymphatic system. There is no anatomical test that can locate areas of non-pathological lymphatic blockages. But thermography does identify areas of lymphatic congestion where blocked fluids have accumulated in the surface areas of the body. We are subjected to

many pathogens from external sources that reside in our sinuses and gums. Dentists understand how important oral health is with the relationship to heart disease and even breast cancer. The truth is that bacteria and other toxins spread from the gums to the body through channels in the lymphatic system.

Contributing factors include poor posture, inflammatory foods, injuries, and many other insults to the delicate nature of lymphatic vessels. An overabundance of toxins and lack of lymphatic circulation will wall off the system and create a stagnant pool of toxicity in local areas. These putrid pools become breeding grounds for disease and cancer.

The effect of this is widely known, but these pools of toxicity were impossible to see and so were ignored. With recent advances in thermal technology we now are able to identify these regions and address them with natural methods. We can actually see if our approach is working and if progress is being made.

Keeping in mind that our entire well-being and resistance to cancer and disease relies on a healthy immune system, it is imperative that we evaluate the lymphatic system and make adjustments to our lifestyle accordingly.

## Inflammatory Response

The human inflammatory response is a primitive reaction to wall-off injuries and infection. It does an effective job at this and

without it we would have perished eons ago. The challenge is that when we respond to these conditions, we overproduce scar tissue in all areas affected. Many important filters in our body self-destruct in the process of detoxification. We are exposed to so many toxins that our small filters in the liver and kidneys cannot keep up with the demand and inflammation occurs. This creates scarring of these elements. The filter system in our bodies evolved over a period of time when there were far fewer environmental toxins than there are today. The filter size was made for a go-cart but today's environment calls for a diesel-truck sized filter. Thermography is extremely useful for identifying these areas of toxic load and is an integral part of any detox program.

Other inflammatory diseases may be identified on thermal imaging. These include thyroid dysfunction, skin cancer, arthritis, and some abdominal disorders.

## Radiation Free: How it Works

Thermal imaging senses infrared radiation emitted from your body and does not produce radiation. It is safe to use thermography as often as needed. There is no need to wait between screening and this makes it useful for performing comparative imaging to see a response to treatment.

It is important to understand that thermal imaging does not 'see' inside the body, but more importantly reveals the physiologic and metabolic function of the area studied. In a world where medicine, radiation, and

surgery are over-prescribed, thermography serves a great function to visualize health function. There is a slow cross-over from anatomical medicine to functional medicine by mainstream practitioners. Thermography remains ahead of the curve and is a valuable method of testing. We recommend an annual full-body exam for men and women of all ages.

*Submitted by Dr. Anthony Piana, Board Certified Clinical Thermologist, AMIT, Fellow of the Professional Academy of Clinical Thermaology (FPACT) and Dr. Alexander Sepper, MD, Ph.D, leading authority on thermographic imaging and how it relates the female body in the world. Breast Thermography International has introduced medical thermal imaging, a growing and effective method of identifying human disease, to physicians around the world. For more information, call 877-315-SCAN or visit [www.btiscan.com](http://www.btiscan.com). See ad on page 14.*



## Essential Reiki Weekends

*Learn the Ancient Art of Healing*

Reiki I \$150  
Reiki II \$150  
Reiki III \$300

Full Weekend / Prepay \$600

**February 28–March 2**  
**April 11–13**

For More Information Visit  
[www.essentialreiki.com](http://www.essentialreiki.com)

## D'Hartma

**February 21**  
**March 21**  
**April 18**

*Soul Transference Channeling Session*  
*with Lynn LaFountain*  
[www.dhartma.com](http://www.dhartma.com)

*u* universal *One*

860-482-2974 • Credit Cards Gladly Accepted



**2014**  
**Greater**  
**Hartford**  
**Women's**  
**Conference™**

Presented by  
*The South Windsor*  
*Chamber of Commerce*  
March 25, 2014

## Save the Date!

**Tuesday, March 25th, 2014**  
**8:00 am - 4:00 pm**  
**Maneeley's Banquet Facility**  
**65 Rye Street, South Windsor, CT**  
**\$69 Early Bird Special**  
**\$95 after March 1st, 2014**

**Keynote Speaker**  
**Dr. Gina Barreca**



**Breakfast!**                      **Lunch!**  
**Panel Discussions!**        **Book Signings!**  
**Breakout Sessions!**        **Exhibitors!**

**New This Year! After Hours Networking Event at Mill on the River**

22 Morgan Farms Drive, South Windsor, CT 06074 • (860) 644-9442