

Research Facility Announces New Technology for Treating Lyme Disease Using Hyperthermia Therapy

Functional Alternative Research (FAR) Clinic orchestrates cutting-edge modalities, including Whole Body Hydro-Hyperthermia Therapy to combat Lyme disease.

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/EINPresswire.com/ -- Dr. Brett J Earl, MD and his team have developed cutting edge technologies, including upgraded hyperthermia therapy—now combined with other high-tech modalities—are diagnosing causes and symptoms as well as determining optimum therapies for [Lyme disease](#) patients who visit the FAR Clinic from across the nation.

Hyperthermia Therapy: An Effective Treatment for Lyme Disease

Lyme disease is the most common of all the tick-borne diseases, and is caused most frequently by the *Borrelia Burgdorferi* bacterium. People may often contract Lyme by being bitten by deer ticks, also known as blacklegged ticks. It can also be transmitted by sexual contact and through the mother to her unborn child. Recent studies suggest that Lyme is an infectious disease that can also be transmitted by other means as well.

At the FAR Clinic, medical professionals are working to develop new and improved methods of fighting Lyme

disease.

One of the problems with Lyme disease is the fact that it's a chameleon disease, like lupus—its symptoms can be confused with those of over 300 other maladies. This being the case, Lyme disease is clearly one of the most under-diagnosed and mistreated diseases today. The Center for Disease Control (CDC) estimates that over 300,000 people are diagnosed with Lyme disease each year, when in reality, many experts believe the actual number of new patients suffering with it each year may be even much higher. In round figures, the number diagnosed with Lyme is 1.5 times the number of women who are diagnosed with breast cancer annually, and six times the number of new HIV/AIDS cases each year, and almost infinitely more than people diagnosed with the Zika virus.

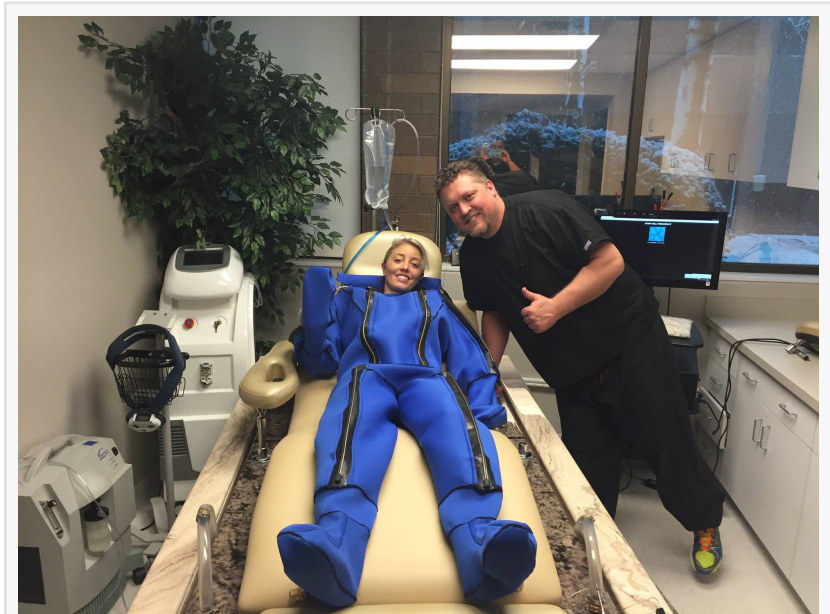


Photo – Brett J Earl, MD performing hyperthermia therapy on a patient.



Lyme disease symptoms can be debilitating as "Lymies" can attest



One of the basic ways our body fights disease naturally is to increase its core temperature through a fever...a perfect way of knowing our body is doing its job and we are on the road to wellness

Dr. Brett J Earl, MD

And it is spreading. Although most cases are still diagnosed in the Northeast and Pacific coast, the blacklegged (deer) tick has been found in half of the counties in 43 US states. That's an increase of nearly 150% since 1998, according to a CDC study.

The most common symptoms of Lyme disease are:

- Chronic Fatigue
- Unexplained muscle pain
- Head and/or neck aches and stiffness (i.e. Bell's palsy)
- Paralysis of the face, or one or more extremities (arm or leg)
- Joint pain, in particular from one to the other joint (i.e. variable)
- Brain Fog (confusion, lack of clarity or focus, short term

memory loss, etc.)

- Neurological issues (numbness, weakness, seizures, visual problems, fainting, dizziness, etc.)
- Emotional issues like depression, anxiety, grumpiness, mood swings, etc.
- Heart pain and/or palpitations
- A bull's eye rash (redness looking like a bull's eye with a solid center and an outer ring)

When caught and diagnosed early, Lyme disease may be successfully treated with antibiotics.

However, because of the difficulty in diagnosing the disease, it often reaches chronic stage before it is nailed down. Once that happens, it's hard to cure, and it may become more a question of controlling rather than curing because the Lyme spirochete is adept at creating a biofilm (protein) shell to protect itself against the body's immune system and antibiotics.

Hope is on the horizon, though, and its name is hyperthermia therapy.

Whole Body Hyperthermia Therapy

Hyperthermia therapy as a means of fighting disease and infections is as old as the human race. It's the oldest and most natural form of fighting illness. We also call it a fever. As Dr. Brett Earl, MD, medical director of the FAR Clinic near Salt Lake City, Utah explains, "One of the basic ways our body fights disease naturally is to increase its core temperature through a fever. When the body's intelligence senses cellular danger or imposition it goes to war through an inflammatory response which sends healing cells like cytokines to the affected area or throughout the entire body; causing heat, redness and inflammation to an area (like in the case of a sliver) or fever, body aches, chills, etc. (in the case of a virus). This is a perfect way of knowing our body is doing its job and we are on the road to wellness."

Ancient Egyptians and Greeks used heat to cure various illnesses, one of them being cancer.

In modern times, hyperthermia therapy has become a widely used alternative treatment for cancers, because the higher core body temperatures inhibit tumor growth and kill cancer cells, as well as Lyme spirochetes.

To create whole body hyperthermia, the medical team at the FAR Clinic places the patient in a modified wet suit, with hoses in the feet, and exits in the shoulders. Hot water is passed over the body, with the temperature gradually increasing until the desired core body temperature of the patient is achieved.

Hyperthermia and Lyme disease

In fighting Lyme disease, the principle is the same as with the body's natural response to infection. Raising the body's core temperature allows the body's natural defense systems to kick in, and kill the bacteria which cause Lyme Disease—*Borelli Burgdorferi*—for example. A whole body fever helps kill off those bacteria. *Borrelia* bacteria begin to die off at a temperature of 105 degrees Fahrenheit, 40.555 degrees Celsius, while doing no harm to the normal cells in the body.

With heated water running over the body in an enclosed environment (wet suit), the body's core temperature is slowly raised to the optimum temperature while the temperature inside the cells raises even higher because of chemical reactions and other factors. As the core temperature rises, the

body's natural illness fighting mechanism—fever—kicks into high gear, killing off the Lyme spirochetes. You get the best of both worlds: Modern technology to enhance the most natural means of combating illness and infection.

How Safe is Hyperthermia?

New patients are given a thorough physical examination, a litany of tests, pulmonary and heart function analysis, blood work, etc., before beginning any type of whole body hyperthermia therapy at the clinic. During the therapy, the head is always free, and kept cooler. Additionally, trained and skilled medical personnel there are always in immediate attendance with the patient while vital signs and other indicators are constantly being monitored and observed.

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