

Millimeter wave therapy is a new and viable form of health care. Millimeter waves are natural electromagnetic waves and are extremely high frequency. Highly researched for the last 30 years in Russia . All matter has an atomic structure with a vibration and these vibrations create motion. This motion produces natural electromagnetic waves similar to radio waves. The living cells are like laboratories . They receive nourishment and oxygen and dispose of waste. This is done through the membrane around the cell. The membrane has a charge of 60-90 millivolts. If this charge is higher or lower the cell is not able to function normally. Each cell also has receptors and these are for hormones, signal substances, etc.. All the cells of the body have specific assignments and they all synchronize and have a form of communication. The human body's intercellular communication is 42 to 78 gigahertz. Imbalances in these waves disrupt the synchronicity of the cells and impede intercellular communication pathways. The millimeter wave technology establishes contact with the natural frequencies of the body and helps balance and re-establish healthy cell growth. The millimeter waves stimulate and normalize helping the receptors to be more sensitized and efficient. The unhealthy cells fall away as toxins.

The CEM-TECH instrument uses millimeter wave technology and is a CE2A Medical Device in Europe. It is a small hand held device that operates on batteries. It has two cords that attach to two Gallium Arsenide crystals. Gallium Arsenide is a semiconductor material .The Russians discovered had the ability to hold the memory of high-frequency signals. There is one mode for FRI , Fon Resonance Recording. This is a separate branch of the millimeter wave therapy which enables you to record frequencies with the gallium arsenide crystal and the crystal holds the memory .Once you have the frequency recorded by the gallium arsenide crystal you disconnect the crystal and it sends the frequency back into the body.

Electronic Homeopathy , a unique form of therapy, helping the body heal itself. There are 10 pre-programmed modes for different system imbalances in the body. It comes with a 28 page instruction manual which includes some detoxification protocols and several different ways of applying the milliwave technology.

The millimeter wave therapy has undergone clinical tests in Russia for many years and has had proven efficiency. Russian testing has proven that independent of the kind of illness, the millimeter waves has a normalizing effect on the parameters of the immune system, increases microcirculation, balances the metabolism of the body, and can considerably increase healing time on bone fractures. Russian testing is not as scrutinized as in the United States. Temple University School of Medicine in Philadelphia Pa.,USA has received a \$4 million grant in 2006, from the National Institutes of Health, to investigate milliwave therapy as an Alternative Therapy.

There are very promising uses for this technology in agriculture , especially inflammatory responses and immune system suppression.

These are some recorded cases for equine use from a Veterinary clinic ,the cavalry battalion in Moscow , Russia. "Guanit" a 2 year old stallion diagnosed with chronic arthritis in the hoof. He received intraarticular joint injections of corticosteroids, Bute, and antibiotics. 10 days treating with the Cem-Tech at the withers he was released from the clinic with great improvement.

8 year old "ingas" had lumbar acute myostosis and showed extreme pain. Corticosteroids intramuscular injection, massage therapy did not give positive results. 10 treatments with the Cem-Tech he recovered and began training again.

The millimeter wave therapy has shown promise in treating mastitis in dairy cattle without side effects that could effect the milk production

In a Moscow Veterinary Clinic An Irish Terrier Breed. He diagnosis was a radial bone crack fracture and traumatic myositis in the affected area. Local treatment was made in pathologic nidus area. The exposure lasted 30 minutes a day. After 5 treatments limping remarkably reduced after 10 treatments lameness passed,

Mechanisms of EHF action from literary sources .The following mechanisms of EHF on the human body.

Normalization of immune system functioning (increased number of T- and decreased number of B-lymphocytes and immunoglobulins (Ig) A and M (Bakaliuk et al., 1998),

Increased number of T-lymphocytes in comparison with baseline (Kuz'menko, 1998),

The concentration of circulating immune complexes, B-lymphocytes and immunoglobulin G decreased and the number of T-lymphocytes and IgA increased (Shliapak et al., 1996), the decrease of CD8+ positive T-lymphocytes (Jin Z, Lin M, Xia J, Zhuang J, Yang R, Li X, et al., 2001),

Normalization of prior existing dismunnoglobulinaemia and normalization of functional activity of neutrophils (Briskin B.C. and et al, 2003), rehabilitation of functional activity of B-lymphocytes and phagocytic activity of neutrophils (Bukatko B.N., 2003)

Normalization of lipidic metabolism indicators(increased concentration of high-density lipoprotein, decrease of tryglycerides)(Kuz'menko, 1998)

Activation of hemopoiesis in red bone marrow

(Lebedeva N.N., Kotrovskaya T.I., 2002);

Normalization of coagulant and anticoagulative factors balance (normalization of antithrombin III level(Lopatina N.A. and et al,2003)

Normalization of fibrinolytic activity and thrombocyte hemostasis (Bukatko V.N.,2003)

Normalization of pro- and anti-oxidant systems ratio
(Tumanyac E.E., Temuryanc N.A., 1997);
Activation of cell regeneration (increase in proliferation of
fibroblasts (Polyakova A.G. et al.,1999)
Antistress action- suppression of excess activity of symphat-
adrenal system and activation of stress limiting systems
(Chuyan E.N., Temuryanc N.A.,2005)
Suppression of influenza virus reproduction inside cells and
viricidic effect.(Podchernyaeva R.Y. et al.,2004)
Anti-inflammatory effect, based on stimulation of mast cell
degrannulation and measurement of phagocytes' functional
activity in the center of inflammation (Gapeev
A.B.,ChemerisN.K.,2007)

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