

The Role of Terahertz Waves in Enhancing Human Health

TERAHERTZ (THZ) WAVES, PART OF THE ELECTROMAGNETIC SPECTRUM, ARE GAINING CONSIDERABLE ATTENTION IN THE FIELD OF BIOMEDICAL SCIENCE. THIS ARTICLE AIMS TO DELVE INTO THE POTENTIAL OF TERAHERTZ WAVES IN ENHANCING HUMAN HEALTH, TREATING DISEASES, AND INCREASING HUMAN COGNITION.

Terahertz waves are located between the infrared and microwave regions of the electromagnetic spectrum, and these waves exhibit high sensitivity to biomolecules and water content. Moreover, they are non-ionizing radiation, making them safe for biological applications.

Terahertz waves have effects such such as improved hydration and increased collagen production.

In addition, terahertz waves have been used to treat skin conditions such as psoriasis and dermatitis, as well as accelerate wound healing.

Also, they may be used to reduce inflammation in joints or stimulate muscle regeneration in damaged tissue. Furthermore, THz waves may also help improve the body's healing process by increasing blood circulation, reducing pain, and improving tissue regeneration. Thus, THz technology holds great potential

for treating a wide range of human diseases and could

help improve overall human health.



Benefits Of Terahertz Quantum Light Wave Energy

Activate normal cells

Repair damaged cells

- Recognize and destroy abnormal cells
- Detox
 lymphatic
 circulation rapidly

- Stimulate better micro-circulation rapidly
- Remove deep tissue coldness and dampness rapidly
- 7 Strengthen the functioning of organs
- Delay onset of aging symptoms

WHAT IS PEMF THERAPY, ALSO KNOWN AS PULSED ELECTROMAGNETIC FIELD THERAPY?

Tera Hertz technology is the latest treatment from the world of advanced healing. Using Terahertz Waves, discovered in the 1980's to matchthe vibration frequency of human cell, the therapy helps blood fowl with normal healthy cells absorbing the Tera Waves while dormant cell are re-activated. As a exult, damaged cells aerepaired, leading to improved healing times in areas of trauma and leaving the patient feeling energized. Regular use also strengthens and induces the DNA organic molecules, enhancing self-repairing body cells.

TREATMENT WITH THE OLYLIFE TERA-P90 USING TERA HERTZ TECHNOLOGY CAN:

- Clear the eight extraordinary vessels of the body.
- Pass through twelve main channels of the body.
- Remove toxins and harmful substances from the body
- Regulate internal organs and the immune system.
- Detoxification.

- Remove unhealthy elements that aren't natural to our body.
- Detect potential diseases using
 2 scanning function.
- Repairs Damaged cells and tissue.
- Replenish the body with Yang aura energy
- Unclog vessels and stasis in the body.





PEMF RESEARCH

There are also many studies that support the benefits of PEMF devices. The Harvard Medical School found that a PEMF device improves mood by over 10% after just one 20-minute treatment in patients with bipolar disorder and major depressive disorder (Rohan, et al, 2013). In another

8-weeks long study, daily administration of PEMF resulted in a 50% reduction in depression in 49% of patients with treatment-resistant depression. (Larsen, et al, 2020). Let's look at some common brain abnormalities and how they relate to the person's brainwaves.



Benefits Of PEMF Therapy

PEMF Research



THz Tera-P90

PEMF THERAPY

ATTENTION DEFICIT HYPERACTIVITY DISORDER (ADHD)

ADHD brain in most cases have too much high beta and too little alpha, thus PEMF is used to stabilise the beta and to support the alpha frequency to perform at a better level. If alpha is not performing optimally it can lead to a loss of energy, concentration and focus and this leads to problems with learning.

2. DEPRESSION

A depressed brain in most cases has too little delta activity and too much alpha or beta activity in the frontal area.

It is also usually much higher on one side than the other. For example, more alpha on the left side than the right side of the brain. This can cause the brain to react differently and think differently about things which can impact motivation and self-esteem.



3. Post-Traumatic Stress Disorder (PTSD)

Trauma can cause the brainwaves to become unbalanced. PTSD brain in most cases has a lot of beta and hi-beta activity, a lot of theta activity and almost no alpha activity. The brain is thus either in a state of "fight or flight." Those with PTSD will either feel like withdrawing/ be switched off and struggle to focus or they can be in a constant heightened state where they are hyperactive, get angry easily and really struggle to control their emotions.

4. Anxiety

An anxious brain usually has a lot of hi-beta activity especially over the front middle part of the brain which plays a role in the fight or flight response as seen in PTSD. Also, the anxious brain usually lacks alpha and theta brainwaves. These are needed for the brain to be calm.



5. Insomnia (Sleep Disorder)

People with insomnia do not have enough delta activity which is needed for deep sleep. In combination with this, they often have too much high-beta activity which keeps the brain active and awake. Their brain also lacks alpha and theta activities. These calmer waves are needed for the person to remain calm and to switch off into sleep mode.

6. Stress

Brains that are stressed have too much hi-beta and insufficient alpha and lo-beta. Lo-beta brainwave is needed for a person to stay calm but very focused. When a person's brain has too much high-beta, the brain will act as a super-high-speed train causing the person to easily get confused and overwhelmed. Plus, it tires out the brain so it cannot be maintained for a long time.

PEMF THERAPY

7. AUTISM

The autistic brain has too much theta and too little alpha.

This affects the ability of the person to function well and to develop normally. Learning becomes a challenge because the specific areas in the brain would be overactive or over developed such as in mathematics but in other areas the brain might not function as well.

8. ALZHEIMER'S DISEASE, DEMENTIA AND MEMORY DISORDERS

Abnormality of the brain can cause many issues such as personality changes, and in many cases aggression because the person will feel insecure causing the brain's survival instincts to kick in. Often the comorbidity of anxiety-depression is present. Delta and theta will be high while alpha and beta would be below normal in the majority of the cases.

PEMF THERAPY



9. Parkinson

Theta and alpha imbalances cause those with Parkinson to have trouble focusing and staying still. Involuntary and uncontrollable movement of the muscles will be noticeable.

10. Tinnitus

People with tinnitus often have low alpha and increased delta, theta and gamma brainwaves. These types of brainwaves can cause ringing in the ear, which can lead the person to feel confused and hopeless.

OlyLife TeraHertz Wave Therapy

One straightforward way to enhance your body's inherent healing abilities is by triggering its natural capacity for cellular repair and renewal, which is frequently known as its "SuperPower." By doing so, you enable your body to surmount hurdles when it's injured or unwell!

As you can observe, when equipped with the right support, your body's organs can heal, alleviate distress, decelerate the aging process, and restore health, letting you Feel Good Again!



The aging population is growing globally, and with it comes an increased focus on technologies that can improve the quality of life for seniors. One promising avenue is the application of Terahertz (THz) waves and Pulsed Electromagnetic Frequencies (PEMF) in the development of innovative medical devices. Here we explore the potential benefits of utilizing THz waves and PEMF devices to enhance the lives of senior citizens by addressing various health aspects, including bone density improvement, faster healing, tendon and ligament regeneration, cognitive function increase, blood flow improvement, and more.





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