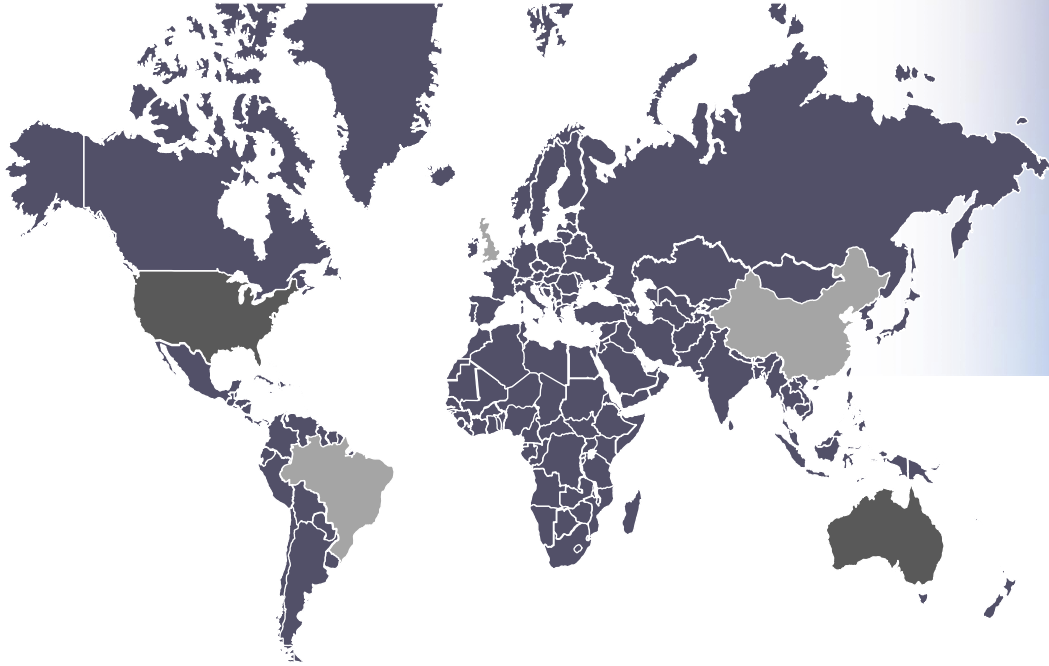




Tera-P90



# Relationship between Earth's magnetic field and the human body.

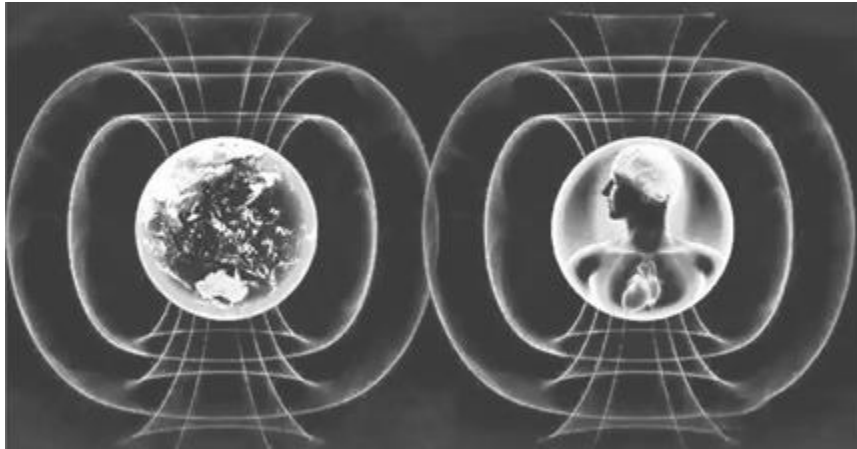


- The earth is made up of the north and south poles, a huge magnetic field.
- Sunlight, air, water, and geomagnetism are the four elements that human beings depend on for survival.

# Relationship between Earth's magnetic field and the human body.



The Earth itself is a huge magnet, constantly emitting magnetic force from the north pole to the south pole and this magnetic force plays a significant role in the human body. However, recent studies show that the earth's magnetic force is gradually weakening. In addition, modern people living in reinforced concrete building and riding on steel-made vehicles further reduces the magnetic force that they can get, because concrete and steel will absorb and block the magnetic force. This demagnetization can have an effect on blood circulation, causing dysfunction in the autonomous nervous system and causes discomfort in the human body.



To counter the gradual weakening of the earth's magnetic force, the application of magnetic therapy can be used to properly compensate for and reduce the impact of the environment on the human body.

# Pulsed Magnetolectric Technology Principle

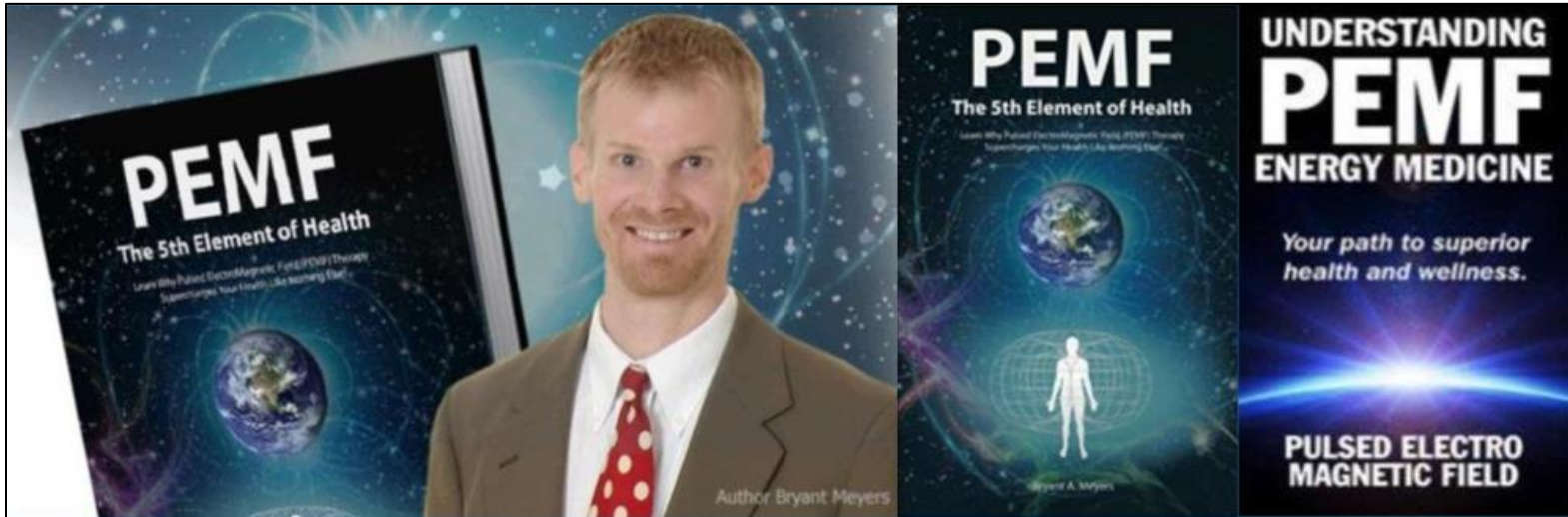


**Pulsed Magnetolectric Therapy** is a physical treatment method that stimulates the earth's natural magnetolectric pulse to improve the body's metabolism. There exist an exchange of pulsed magnetolectric energy between living cells in our body. For example, an electroencephalogram can measure the pulsed magnetolectric of the brain and an electrocardiogram can measure the pulsed magnetolectric of the heart. Another example is the use of an electrical defibrillator to restore the heart when it stops beating.



# Pulsed Magnetolectric Technology Principle

According to the book “PEMF, The 5th Element of Health” written by Dr. Bryant Meyers from the United States, the pulse energy emitted by the human body is about 3-5 times per minute during our youth. This energy can improve blood circulation and provide fresh blood to all parts of our body. This is critical because our heart cannot provide enough pressure to transmit blood to all parts of our body. With age, the number of pulse energy emitted by the human body decreases to about 1 time per minute, while the body of a diabetic patient is about 1 time per 10 minutes, which is why vascular complications such as heart disease, diabetic foot, and diabetic nephropathy often affect diabetic patients. These complications are also the leading cause of death and disability in diabetes. The pulsed magnetolectric is like a charger, helping the body to obtain energy.



# Malaysian Health Overview

- ❑ 1 in 3 Malaysian adults has Hypertension.
- ❑ Close to 300,000 Malaysian has Hyperlipidemia.
- ❑ More than 7,000,000 adults in Malaysia are expected to be affected by Diabetes by 2025.
- ❑ 54.2% of Malaysian adults overweight/obese.
- ❑ In 2019, the Ministry of Health found that 8 million adults in Malaysia suffer from Dyslipidemia.
- ❑ More than half of Malaysians are affected by fatty liver.
- ❑ 48,639 new cancer cases were recorded in 2021.
- ❑ On average, 5 people develop cancer every hour.
- ❑ On average, 1 person develops diabetes every 30 seconds.
- ❑ On average, at least 1 person dies of cardiovascular and cerebrovascular diseases every hour.



# Malaysian Health Overview

- Mentally Overburdened
- Manual Labour Overburdened
- Engaged in simple, mechanized work over a long period of time.
- Irregular Lifestyle
- Tense Relationship
- Stressed



# Traditional Chinese Medicine Principles



Tired  
Lack of Energy



Afraid of Cold



Feel heavy and  
uncomfortable body



Body sore and aches



Numb, Swelling,  
Discomfort



Bad Circulation  
Blockage



Tumor



Cancer

Tired and lack of energy leads to cold, cold leads to an uncomfortable body, which leads to a sore and aching body. The continuous sore and aching body leads to numbness, swelling, and discomfort which eventually leads to bad circulation or blockage. Blockage causes tumor growth and eventually leads to cancer.





# Pulsed Magnetoelectricity - Microcirculation

Blood flows from our heart through capillaries, where oxygen and nutrients carried by red blood cells are absorbed by surrounding tissues and cells.

According to a study published by Intech, a typical human red blood cell is 5-10 microns in diameter and has a surface area of about 135 square microns. The maximum efficiency of material exchange with other cells is achieved when the entire surface area of the cell is exposed. A phenomenon known as the Rouleaux Effect was discovered during live cell analysis, whereby red blood cells can stick together like stacked coins to form cell clumps.

If two red blood cells are stacked, the combined surface area is reduced from 270 square microns ( $2 \times 135$  square microns) to 193 square microns (71%). Their efficiency decreases further as the number of contiguous cells increases. Stacking of eight or more cells reduces their overall cell efficiency by 50%.

Capillaries are small in diameter (5-10 microns), and red blood cells can only pass through them singly. Therefore, the overlapping red blood cells cannot pass through the capillaries, so they cannot exchange oxygen and other nutrients with the surrounding tissue cells, resulting in hypoxia and abnormal metabolism of tissues and organs. The superposition effect of red blood cells is inhibited by pulsed magnetoelectric energy (like magnetic repulsion), so that red blood cells can smoothly pass through capillaries, fully expose their surface area, and exchange nutrients such as oxygen with adjacent tissue cells.



# Pulsed Magnetolectricity - Sleep



- ❑ Insomnia can occur at any age but is especially common in older adults. Insomnia can lead to memory problems, depression, restlessness, and an increased risk of heart disease and car-related accidents.
- ❑ The body produces natural growth hormones and melatonin during the sleep cycle. These hormones are considered key factors in anti-aging. Many pharmaceutical companies make these hormone drugs, but these drugs often have side effects.
- ❑ Studies have found that pulsed magnetic electricity can stimulate the pineal gland to produce melatonin, the most important hormone for sleep and anti-aging, and a powerful antioxidant. It also stimulates the pituitary gland to produce growth hormone, which promotes growth, cell reproduction, and regeneration in humans and other animals.
- ❑ In 2001, Pelka, Jaenicke, and Gruenwald conducted a trial in which they tried PEMF therapy for insomniacs. 70% of patients reported complete resolution of insomnia symptoms, 24% reported significant improvement in their symptoms, and 6% reported a small but critical improvement in symptoms.
- ❑ Ninety percent of the patients with insomnia who received pulsed electromagnetic therapy have significantly improved or even completely cured their symptoms.



# Pulsed Magnetolectricity - Inflammation

- ❑ Inflammation is a very common and important basic pathological process. Often manifesting itself as redness, swelling, heat, and pain, inflammation is a defensive response of the body to damage factors.
- ❑ Pulsed magnetolectricity can dilate local tissue blood vessels, enhance blood lymphatic circulation, increase blood vessel wall permeability, improve local tissue nutrition and metabolism, accelerate the elimination of inflammatory factors, and reduce inflammatory reactions such as prostatitis and gynecological inflammation.



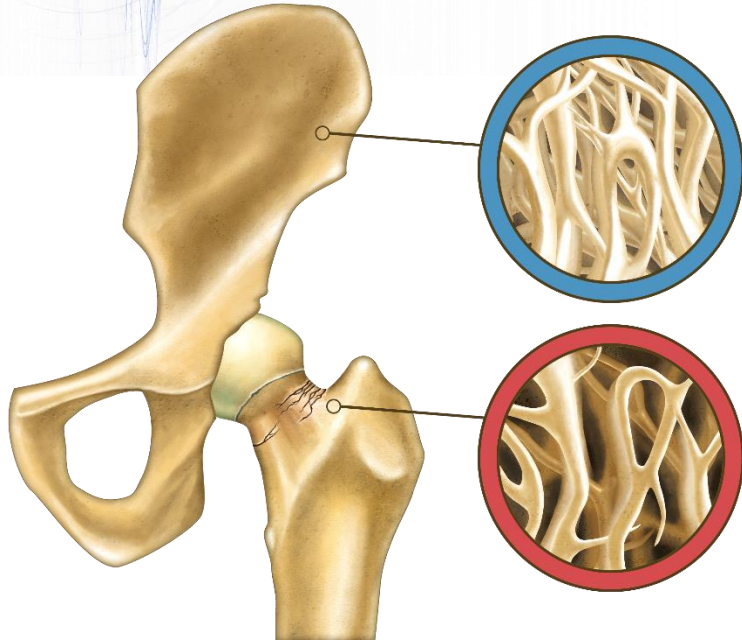
# Pulsed Magnetoelectricity - Pain

- ❑ Pain is a common symptom that affects our fitness life. Local tissue inflammation is the main cause of pain. Modern medicine relieves pain by prescribing drugs such as opioids, morphine, etc. These drugs not only damage the liver and kidneys, and there is a certain degree of addiction.
- ❑ Pulsed magnetoelectricity regulates and strengthens blood circulation in painful areas through nerve conduction while reducing local inflammatory responses, especially for chronic pain. Moreover, compared with drugs, pulsed magnetoelectricity has no toxic or side effects.





# Pulsed Magnetolectricity - Osteoporosis



- ❑ A study by the Johnson Space Center found that astronauts lost Earth's gravity and pulsed magneto-electric energy after being in space for a long time. Bone and muscle problems occur when returning to Earth. When they first returned, they could barely walk.
- ❑ A NASA study found that pulsed magnetolectricity can reduce bone loss and muscle atrophy. As a natural non-invasive therapy, pulsed magnetolectricity is used to prevent bone loss and muscle atrophy in astronauts.



# Pulsed Magnetoelectricity - Cartilage Regeneration

- ❑ Aging and wear of cartilage is a common cause of osteoarthritis in the elderly. Cartilage does not contain blood vessels and repairs slowly once damaged.
- ❑ Studies have shown that pulsed magnetoelectricity directly affects bone healing and cartilage regeneration. The picture on the right shows the before and after growth of knee articular cartilage after pulsed magnetoelectric intervention of a 70-year-old female patient.





# Pulsed Magnetolectricity - Obesity

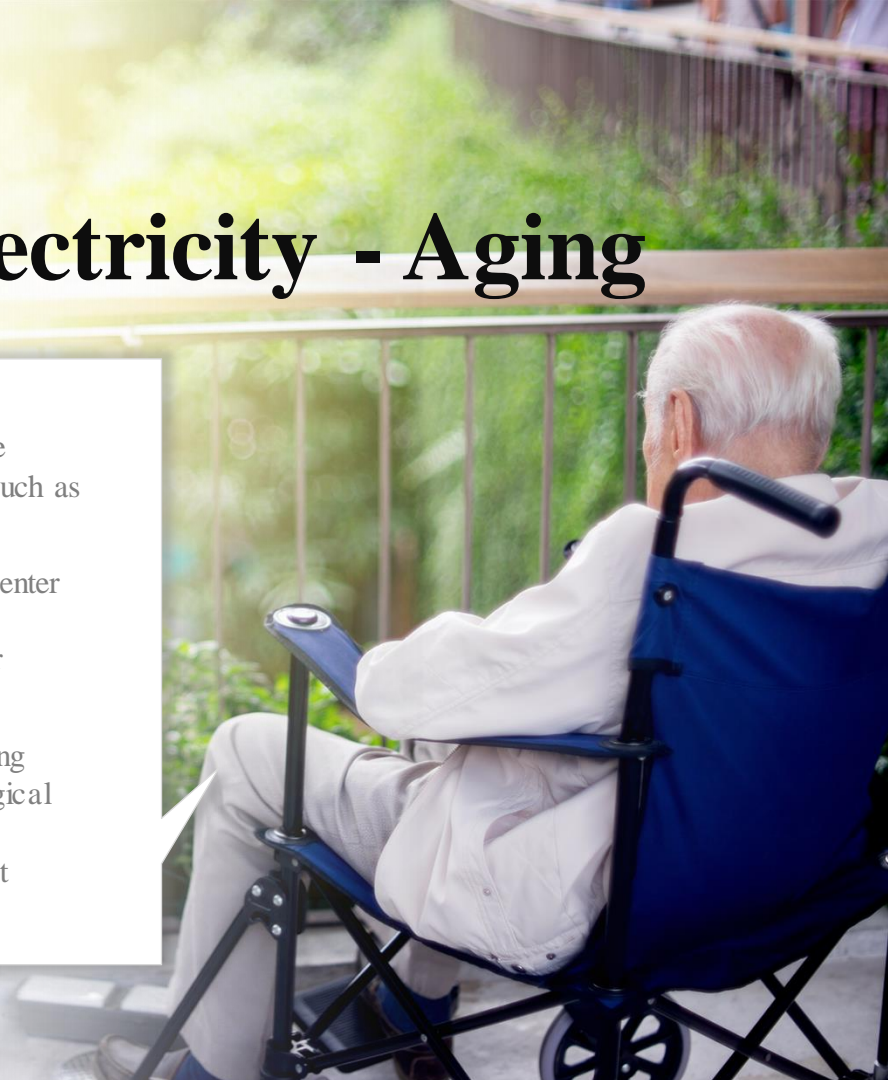
- ❑ The more energetic our cells are, the healthier they are. Healthy cells can usually be measured with a physiological voltage of 70-100mV but fat cells in obese patients have a physiological voltage of 20-25 mV.
- ❑ If cells lack energy, a person will get sick. The pulsed magneto-electric space can recharge cells and improve metabolism within cells. Research has confirmed that 30 minutes of pulsed magnetolectric hyperthermia can generate 400 kcal of energy conversion, which is equivalent to the energy consumed by 2 hours of aerobic exercise, promote the catabolism of lipid droplets in fat cells, and increase the burning of body fat. Improve the basic metabolism of the human body and help prevent the occurrence of metabolic diseases such as fatty liver, hyperlipidemia, and diabetes.





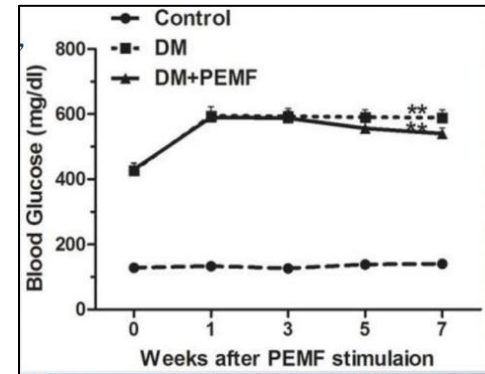
# Pulsed Magnetolectricity - Aging

- ❑ Health should be one of the most important goals in our lives. We should improve our health every day through a healthy lifestyle such as a reasonable diet and scientific exercise.
- ❑ We all get old. Cells metabolize all the time, old cells gradually enter the track of programmed death, and new cells are continuously produced to replace old cells to ensure the normal function of our organs.
- ❑ Pulsed magnetolectricity plays an important role in delaying aging from the level of cell metabolism, by providing the best physiological environment for cells, promoting the growth of new cells, and maintaining their vitality, so that tissues and organs are in the best working state.



# Pulsed Magnetoelectricity Diabetes

- In 1996, researchers in Russia published an article titled "A Study of the Effects of Pulsed Magnetoelectricity on Vascular Complications of Diabetes". A total of 420 diabetic patients participated in the study, of which 100 patients were treated with conventional therapy and the remaining 320 patients were treated with conventional therapy in a pulsed magnetoelectric environment. Twenty-eight percent of patients in the control group experienced significant improvement, compared with 74% of patients treated in a pulsed magnetoelectric environment (PEM).
- Patients who received PEM therapy had a 20% higher chance of improving blood sugar control than patients who did not receive PEM.



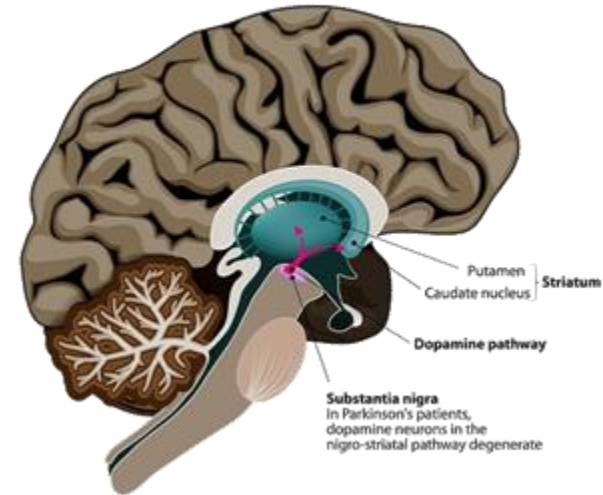


# Pulsed Magnetolectricity Parkinson's Disease



- Dr. Reuven Sandyk published several articles on Parkinson's disease each year from 1994-1996. He found that using pulsed magnetolectric therapy to treat Parkinson's disease was more effective than conventional treatments.
- Specific improvements were seen in facial expressions, body tremors, vision and memory. Patients were able to speak more fluently and had improved vision and sense of smell. He also found that the mood of the patients who used pulsed magnetotherapy also improved greatly.

## PARKINSON'S DISEASE







# **Pulsed Magnetolectricity The Efficacy of Tera-P90**

- |                                 |                                   |
|---------------------------------|-----------------------------------|
| <b>Promote Microcirculation</b> | <b>Improve Lymphatic Damage</b>   |
| <b>Promote Metabolism</b>       | <b>Regulates Organ's Function</b> |
| <b>Stimulates Cell Activity</b> | <b>Activate Gonads</b>            |
| <b>Improve Obesity</b>          | <b>Remove Impurities In Body</b>  |
| <b>Relive Muscle Strain</b>     | <b>Eliminates Inflammation</b>    |
| <b>Collagen Regeneration</b>    | <b>Delay Aging</b>                |
| <b>Smoothen Wrinkles</b>        |                                   |





Thank You