

Pulsed Electromagnetic Fields

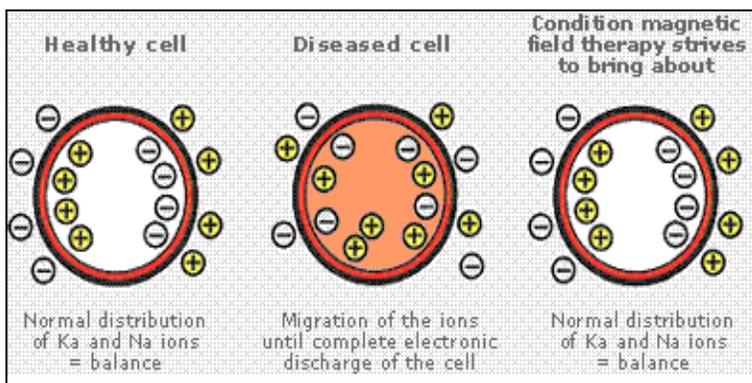
Our Earth has a magnetic field that fluctuates (pulses) and this pulsed electromagnetic field (PEMF) is a key component for life. The Earth's PEMF acts as

- a guidance system for planes, birds, and bees, etc.
- a catalyst for every biochemical reaction that happens on Earth.

Early proof of our need for the Earth's pulsed electromagnetic fields, (often referred to as "PEMFs"), was observed after Cosmonaut Yuri Gagarin from the Soviet Union circled the Earth in April 1961. Yuri returned from space and suffered from depression, decreased metabolism, impaired perception, bone loss, and muscle degeneration and died at the age of 34 from mysterious circumstances. And he was only in space (and without the magnetic field of Earth) for less than two hours!

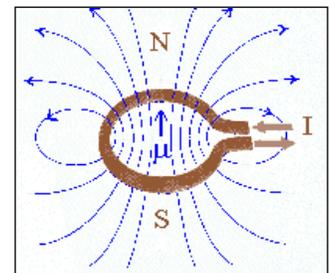
Subsequently, research confirmed human cells deprived of pulsed magnetic fields die quickly. In fact, many researchers refer to PEMFs as "The Fifth Element." Along with food, water, oxygen and sleep, the body needs PEMFs to survive. Unfortunately, the Earth's magnetic field is getting weaker and some research suggests that it is almost 100 times less powerful as it was during the time of dinosaurs.

Each of the approximately 75 trillion cells in your body vibrates or oscillates. Using the appropriate frequencies, electromagnetic impulses can induce resonant vibrations to stimulate a variety of cellular functions. However, only specific range or spectrum of electromagnetic frequencies are readily accepted by the body (called the biological window) trigger physiological responses.



One key function of the cell membrane is to regulate the environment for biological processes inside the cell. This is achieved through selectively allowing water, nutrients, and elements to enter or leave the interior of the cell. One way the cell membrane achieves selective "permeability" is through the establishment of a membrane potential. The membrane potential of a cell is the voltage difference between the interior of the cell and the exterior of the cell. The cell's normal membrane potential is 70-90 mV (millivolts). In a state of illness or disease, the membrane potential is reduced to 30-40 mV. PEMF normalizes cell membrane potentials.

PEMF therapy is similar to charging a battery, which is each and every one of your cells. PEMF stimulates atoms, increases electronic spin, aligns molecules, and generates very small microcurrents that tend to run along nerve pathways. This leads to an increase in intercellular communication, metabolic processes in part due to increased circulation, oxygenation, alkalization, ATP production (the form of energy used by cells to perform work such as running enzymes), and optimized cell membrane potential. As a result, cells regenerate, oxidative stress and inflammation is reduced, immune responses are more robust, the feel-good endorphins are boosted, depleted adrenal and other endocrine gland functions are restored. Healing, rejuvenation, and regeneration. This is the foundation of PEMF therapy.

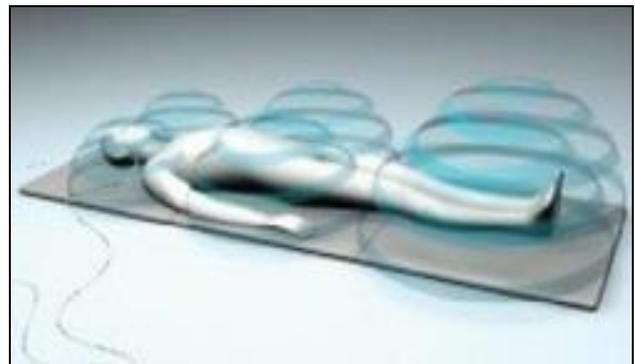


In summary PEMFs enhance cell membrane permeability and cell membrane potential –leading to:

Increases/Promotes	Decreases/Improves
Micro-circulation dilates (through NO)	Pain
Blood oxygenation up to 200%	Stiffness
Oxygen and carbon dioxide diffusion	Swelling
Alkalization (\uparrow pH up to 100x)	Inflammation (up to 75% \downarrow in enzymes)
cellular function and repair	Edema
Endorphins, serotonin	Spasms
Cellular hydration	Strains
Bone healing /tendon repair	Bruises
Flexibility	Hematomas
Range of motion	Contusions
Stamina /endurance/ strength	
Re-growth of neurological tissue	

The FDA only recognizes PEMF applications for bone repair, for which it has been used in the US to treat non-healing fractures since the 1970s. More than 10,000 scientific papers and 2000 double blind studies, many at a University level, have been published on research and clinical studies of PEMF.

- | | | |
|---|---|---|
| <input type="checkbox"/> Alzheimer’s disease | <input type="checkbox"/> Endometritis | <input type="checkbox"/> Osteoarthritis |
| <input type="checkbox"/> Ankle sprain | <input type="checkbox"/> Erectile dysfunction | <input type="checkbox"/> Osteoarthritis –Cervical spine |
| <input type="checkbox"/> Back pain | <input type="checkbox"/> Fibromyalgia | <input type="checkbox"/> Osteoarthritis - knee |
| <input type="checkbox"/> Back pain – low back or disc | <input type="checkbox"/> Glaucoma | <input type="checkbox"/> Osteoporosis (osteoblasts) |
| <input type="checkbox"/> Bone density | <input type="checkbox"/> Heart rate variability | <input type="checkbox"/> Pain |
| <input type="checkbox"/> Bone Fractures | <input type="checkbox"/> Hypertension / High Blood Pressure | <input type="checkbox"/> Parkinson’s Disease |
| <input type="checkbox"/> Burns | <input type="checkbox"/> Inflammation | <input type="checkbox"/> Pelvic pain |
| <input type="checkbox"/> Cancer – bladder | <input type="checkbox"/> Knee pain | <input type="checkbox"/> Rotator cuff tendonitis |
| <input type="checkbox"/> Cancer – breast | <input type="checkbox"/> Knee arthritis | <input type="checkbox"/> Sacral pain |
| <input type="checkbox"/> Cancer – cells | <input type="checkbox"/> Lumbar fusion | <input type="checkbox"/> Spinal cord injury |
| <input type="checkbox"/> Carpal Tunnel Syndrome | <input type="checkbox"/> Migraine headaches | <input type="checkbox"/> Stroke |
| <input type="checkbox"/> Cartilage / Connective tissues | <input type="checkbox"/> Multiple Sclerosis | <input type="checkbox"/> Tendonitis |
| <input type="checkbox"/> Cellular Regeneration (nerve) | <input type="checkbox"/> Myofascial pain | <input type="checkbox"/> Tinnitus |
| <input type="checkbox"/> Chronic pain | <input type="checkbox"/> Nerve Repair | <input type="checkbox"/> TMJ |
| <input type="checkbox"/> Dental pain | <input type="checkbox"/> Neck pain | <input type="checkbox"/> Venous ulcers |
| <input type="checkbox"/> Depression | <input type="checkbox"/> Neuralgia | <input type="checkbox"/> Vision |
| <input type="checkbox"/> Diabetic neuropathy/angiopathy | <input type="checkbox"/> Neuropathy (refractory) | <input type="checkbox"/> Whiplash |
| <input type="checkbox"/> Edema / water retention | | <input type="checkbox"/> Wounds |



Dr. Kaslow uses the latest generation of the medical grade MAS Super Multi + PEMF device from Austria, which has been used worldwide for over 20 years. The MAS Pad acts as a “Whole Body Battery Recharger.” It has been reported that using a PEMF therapy mat just 2 times a day for 8 minutes, you recharge your 100 trillion cells, improve ATP production, increase oxygenation, enhance circulation, increase hydration, facilitate detoxification, and gain a better absorption of nutrients.

I have read, understand and agree this informed consent and release.

- I am not pregnant
- I have no pacemaker or other implanted stimulator.
- I do not have any metallic chains on me (other jewelry is OK).
- I will not wear any car keys, credit cards, cell phone or a watch during the session.
- I have not received chemotherapy or radiation treatment in the last 48 hours.
- I know that I am using a magnetic pulse generator that it is not FDA approved to treat or cure any disease or condition.
- No one has made any representations or claims to me of any treatment or cure of any disease or condition, or any promise of any specific or general results of any kind. I release from all general, medical and any other liability or claims of any kind: and I indemnify and hold harmless the operator of the PEMF Device, Dr. Kaslow or his office, the manufacturer, distributor, dealer and any of their employees or agents of the magnetic pulse generator from any claim arising from or related to my use of the magnetic pulse generator.
- I understand that I am renting the machine for up to 60-minute sessions and this charge is not billable to insurance.

Signature

Date