

Pulsed Electro-Magnetic Field Therapy

Now available in Europe

The principals of Pulsed Electro-Magnetic Field (PEMF) therapy were first described by Nicola Tesla in 1898.

Various types of PEMF devices have been accepted by the regulating bodies in many countries and are sold all over the world.

The US FDA accepted the use of PEMF devices in the healing of:

- **Non-union bone fractures in 1979**
- **Urinary incontinence in 1998**
- **Muscle stimulation in 1998**
- **Depression and anxiety in 2006**

Israel has accepted the use of PEMF devices for migraine headaches.

Canada has accepted PEMF devices for powered muscle stimulators.

The European Union accepted the use of PEMF therapy in many areas including healing and recovery from trauma, degeneration, and the treatment of the pain associated with these conditions.

PEMF therapy is a non-contact, non-invasive, non-pharmacological and effective treatment for many conditions. Worldwide more than 2,000 double-blind, university level medical studies have demonstrated that PEMF therapy is a safe and effective treatment for a variety of medical conditions, as well as to promote and maintain general cellular health and function.

PEMF therapy:

- **Reduces pain**
- **Reduces inflammation**
- **Increases range of motion**
- **Increases circulation**
- **Improves degenerative nerve and tissue issues**
- **Recover better and faster from accidents, sports injury and surgery**
- **A complete treatment can be as short as three minutes**

PEMF delivers deep tissue Exercise Therapy

No other form of therapy achieves deep tissue treatment

PEMF therapy provides deep tissue penetration increasing inter-cellular fluids flow, reducing pain and inflammation, while accelerating tissue healing.

PEMF offers healing of many different conditions and the maintenance of cellular and body health.

How PEMF therapy works

Many clinical trials have demonstrated that PEMF works by stimulating cells electrically, magnetically, chemically and physically.

How PEMF therapy affects the body

PEMF therapy increases cellular membrane permeability by mechanically contracting the cells and by stimulating the opening of ion channels through the cell membrane.

This allows better circulation of oxygen and nutrients into the cells; and, carbon dioxide and waste products out of the cells.

PEMF therapy also improves cell metabolism by stimulating the opening of ion channels in the cell membrane.

PEMF therapy reduces swelling, relaxes muscles, decreases nerve irritability, stimulates tissue healing, strengthens bones and promotes fracture healing.

PEMF therapy reduces pain and inflammation as well as it promotes nerve regeneration, muscle relaxation and immune system response.

PEMF therapy helps the body's natural processes and promotes healing.

Cellular Effects of PEMF

- Improves intercellular fluid & blood flow
- Stimulates the production of ATP
- Increases Cellular Energy Levels
- Increases Cellular Oxygen Levels
- Promotes Cellular Healing
- Stimulates inter cellular communication
- Stimulates electron transport in cells

Biological Effects of PEMF

- Significant Pain Relief
- Accelerates Tissue Repair
- Accelerates Cell Growth
- Promotes Faster Healing of Injuries
- Reduces Fibrous Tissue Formation
- Reduces Swelling and Inflammation
- Stimulates the Release of Endorphins

www.pemf.us