

# MatrixPulse™

## Home Treatment System

### Introduction

The **MatrixPulse™ Home Treatment System** produces a unique and precisely controlled type of Pulsed Electro-Magnetic Field (PEMF) stimulation, which has been found to help reduce pain and stimulate repair in the cells and tissues of the body, such as bone, muscle, tendon, ligament, cartilage and nerves. It is based on similar advanced technology as that used by **Certified Matrix Repatterning Practitioners** throughout the world. This breakthrough form of therapeutic technology, referred to as *Inductively Coupled Electrical Stimulation* – or ICES, is based on the research of **Dr. Robert Dennis**, biomedical engineer from the University of North Carolina, Chapel Hill, which was funded by NASA in the 1990's and DARPA in the early 2000's.



The reason that PEMF helps the body's healing mechanism is due to the fact that every cell in our body is literally a small battery. The electrical output of the cells is generated by the movement of ions (electrically charged particles) back and forth across the cell membrane, much like your car battery. Just like a battery, your cells' electrical properties need to be recharged. This is normally accomplished by exposure to the magnetic field

*"PEMFs rev up production of nitric oxide, which increases blood flow to the targeted area. The combo stimulates an anti-inflammatory cascade that not only reduces pain but also reduces swelling and speeds healing. They produce invisible energy waves that increase blood flow and normalize some electrical impulses to and in nerves. Aim PEMFs at the damaged zone for eight to 30 minutes, two to four times a day, and you'll heal better, faster."*

Dr. Mehmet Oz

produced by the earth's iron core. However, this magnetic field is now in an historic decline due to a reversal of the magnetic poles. Check the documentaries: *"When North Goes South"*, on the Nature of Things (cbc.ca) and *"The Magnetic Storm"* (NOVA).

PEMF stimulation has been proven to counteract many of the degenerative changes caused by this decline in the magnetic field, which is highlighted by the crippling muscle and bone deterioration observed in astronauts.

The **MatrixPulse™** is especially effective because it incorporates a computerized program of constantly varying frequencies (TVEMF or *Time-Variied-Electromagnetic-Fields*) designed to optimize the effectiveness of treatment. This scientifically proven and patented system allows for extended treatment times and a much deeper tissue healing response.

The **MatrixPulse™** was developed in collaboration with **Dr. George Roth**, based on his clinical experience and research, which found that the electrical properties of the cells were disrupted with injury. Dr. Roth discovered that the application of a normalizing electrical field, along with a gentle form of manual therapy (Matrix Repatterning), could restore these properties and help resolve many painful and limiting conditions.

## Benefits of the MatrixPulse™ System:

- *Reduces Inflammation and Pain*
- *Promotes Healthy Cellular Environment for Tissue Repair*
- *Improves Circulation and Oxygen Utilization*
- *Stimulates Nerve Regeneration*
- *Accelerates Bone Repair*

## MatrixPulse™ Home Treatment System

### Coil Placement Examples:



Knee



Low Back



Neck, opposite



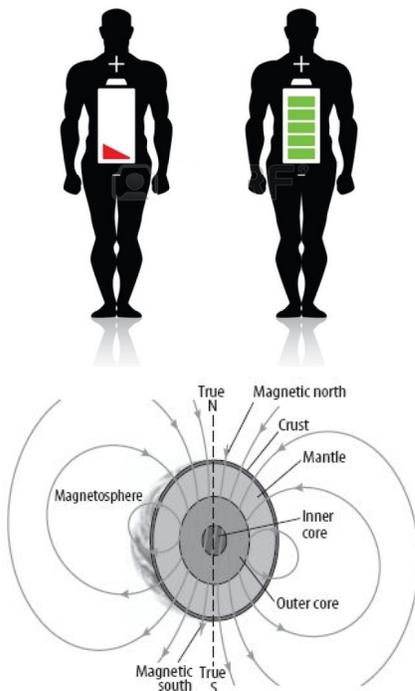
Neck, side-by-side



Shoulder, opposite



Shoulder, side-by-side



*The Earth's magnetic field helps to recharge our body in the same way that we recharge a battery.*

Specific guidelines for treatment are available from a Certified Matrix Repatterning Practitioner (CMRP) or from the book: *The Matrix Repatterning Program for Pain Relief* (GB Roth, New Harbinger Publications).

### References:

Physiological and Molecular Genetic Effects of Time Varying Electromagnetic Fields (TVEMF) on Human Neuronal Cells. *Medicine and Science in Sports and Exercise*, 05/2005. Authors: Goodwin TJ, McCarthy MA, Dennis RG.

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Attenuation of interleukin-1beta by pulsed electromagnetic fields after traumatic brain injury, *Neurosci Lett*, 2012 June 21; Authors: Rasoule J, Lekhai R, White NM, Flamm ES, Pilla AA, Strauch B, Casper E.

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