

PULSED ELECTROMAGNETIC FIELD THERAPY DEVICE

HIGH INTENSITY UPTO 600 GAUSS

Our PEMF is by far the most advanced and durable PEMF device build yet. Only the best and most proven high quality components have been used to create this “State of the Art” unit to guarantee fast and long lasting results in a clinical environment as well as in the private home. With up to 600 Gauss, a Hz range from 1 to 100 this device digs deeper than any other PEMF device by charging the cells with a payload of instantly useable energy!

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This PEMF fights chronic pain at its source by pulsing the body with an electromagnetic field.

The electricity inhibits bacteria and enables the cells to repair the body, take in clean nutrients, and remove dangerous toxins more effectively!

This is the first of its kind capable of reducing or even eliminating chronic pain in a matter of short period.

Dramatic improvements in the body's condition can be seen and felt starting with the 4-6 treatment

Regular treatments create cumulative results, demonstrated by multiple cases of 75 – 100% recovery from permanent conditions such as frozen joints after therapy for several weeks.

There is no better way to quickly improve your quality of life than with pulsed electromagnetic therapy

This means more of the targeted and penetrating pulses hit their target and perform the desired therapy.

For complete body rejuvenation, cellular repair and freedom from chronic pain



www.painspecialistclinic.com



DRUG FREE PAIN RELIEF

Leaders in Pulsed ElectroMagnetic Field (PEMF) Therapy
Devices and Complimentary Drug Free Pain Relief Products

PEMF The Most Advanced Technology Ever

Pulsed Electromagnetic Field Therapy brings hope to millions of patients faced with surgery or life of a cripple. Surgery should be preserved for patients crippling diseases who do not respond to more conservative treatments. We should think of surgery only when all other safer and less traumatic treatments fail.

World's 1st
Technology For Pain
Management

Walk Again With Comfort

OSTEORTHRITIS
Cure Without Surgery

Reversing & Preventing Osteoarthritis
New hitech revolutionary PEMF technology

Avoid
Knee / Joint
Replacement

***'On Earth, this device could be useful in the treatment of various muscle diseases, age and cancer related muscle atrophy, osteoporosis and other bone and joint related diseases.'* -NASA**

PEMF-Trans are the India leaders in PEMF therapy whether you want a device for homecare, clinical applications ,Transcranial Magnetic Stimulation Helmet or just looking to find a clinic near you, PEMF -Trans can help you gain access to PEMF therapy and its endless benefits

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What is PEMF Therapy?

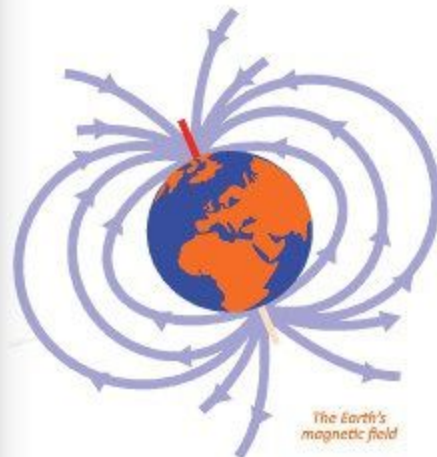


Low intensity Pulsed Electromagnetic Field (PEMF) therapy mimics the Earth's natural magnetic field. Many people do not realize that we need the earth's magnetic field to survive. PEMF therapy was introduced by NASA when they found out that taking astronauts away from the Earth's magnetic fields was a key factor to ill health when in space. The magnetic fields are strongest at the earth's poles and get increasingly weaker towards the equator and with the addition of modern infrastructure cancelling out the beneficial properties of the magnetic fields; it is no surprise that we would need to regularly top up our magnetic therapy.

As mentioned, NASA uses PEMF therapy in their space stations to maintain the health of the astronauts. In space there are no magnetic fields and without gravity it is hard for astronauts to exercise properly this leads to bone weakness and muscle

wastage. Progressive muscle wastage leads to weakness and fatigue, bone loss causes an increased risk of bone fracture and kidney stones. NASA explains that PEMF is a non-invasive countermeasure to enhance bone retention, prevent or alleviate muscle wastage, augment natural healing and regeneration processes.

There is currently a lot in the news and media about negative Electromagnetic Frequencies (EMF) from the ever increasing wireless technologies such as mobile phones, laptop computers and microwaves, etc. PEMF therapy can be used to reverse those negative effects on our bodies that are caused by negative EMF. EMF causes our bodies' cells to stick together and has been linked with cancer and being an influencing factor of many illnesses.



PEMF therapy introduces pulsed electromagnets in a non-invasive, painless and risk free treatment; you will feel the benefits right away in your health, wellbeing and mood.

The positive effect of PEMF has been shown to reverse these effects and allows the cells in our bodies to move freely, enable the body to produce healthy cells, and increase oxygen distribution around the body.

Our PEMF therapy systems are all part of the modernisation and evolution into our new surroundings. We need a healthy body and for a healthy body we need good circulation, cell regeneration and an immune system to defend against disease. PEMF therapy boosts our ability to naturally repair our bodies and regenerate our essential antibodies to prevent illness and fight disease or the issues that cause pain. It is a modern way to replenish the natural magnetic therapy that we are deprived of due to modernisation. One quick boost of

PEMF therapy everyday can prove to have huge benefits to our health and wellbeing and stop pain in its tracks. In this day and age we shouldn't need to live with pain or illness, so let's boost ourselves back with a proven therapy, through thousands of studies. Need reassurance? Please look at the reference page at the back of this leaflet or our case studies available on our website.





How does PEMF Therapy Work?



The PEMF - Trans devices bring U.S and Germany technology to the India and offers PEMF therapy that aid the regeneration and energy output of the body's cells which leads to a better performing body and improves recovery time after injury or disease. The PEMF therapy system have a wide range of applications and can help with a variety of disorders, disease , conditions or injury's because the therapy targets the body at a circulatory and cellular level rather that specific issues.

How PEMF therapy works; from the beginning

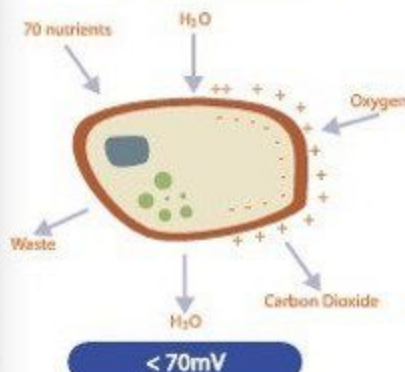
PEMF therapy is applied by running an electrical current through a copper coil which creates a magnetic field, this can be integrated into many different styles of devices, depending on what an individual is treating or using the device to support. The electro-magnetic field can produce a current in any conductive substance and can transfer the charge into the body. A pulsed electromagnetic field is able to penetrate deep into the body's tissues and target individual cells.

PEMF therapy works by stimulating blood circulation and increasing cell metabolism. The human body consists of many billions of cells. Each particular cell represents a small component of the entire body, it has the task of using

nutrients from the food we consume and oxygen we breathe to fuel the body and afterwards to excrete the waste, carbon dioxide and water. In this metabolic process adenosine triphosphate (ATP) is gained.

The cell membrane has an electrical surface tension of approximately -70 to -90 mV. If it falls below this, protein channels in the cell membrane are closed blocking nutrients from entering the cell and waste products from leaving. This impacts on daily bodily functions, and has an adverse effect on general wellbeing, slows recovery time and makes an individual more susceptible to disease and disorder. With the use of very low intensity pulsating magnetic fields, within the Microtesla (μT) range, it can be used to stimulate the cells. These magnetic fields work like many small batteries, which provide the necessary surface

A Health Spa For Your Cells

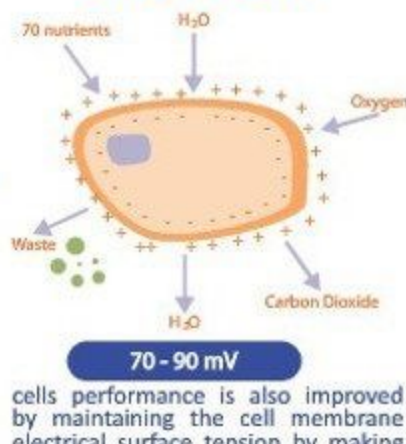


Before PEMF

tension in order for the cells to once again open up their protein channels. Now the vicious circle is interrupted and all the factors are present to once again ensure optimal cell activity.

The main principle of PEMF therapy devices are that they maintain all the body's cell membrane electrical surface tension. The cell membrane has an electrical surface tension of approximately 70 to 90 millivolts and if the tension drops below 70 millivolts then the cell does not perform very well, by having a slow metabolism rate and a low energy output. The PEMF revives the millivolts back up to 90 millivolts. By maintaining the cell membrane electrical surface tension it causes tissue, muscle and neuron cells to maximize their productivity by allowing nutrients to move readily into the cell and efficiently remove waste out of the cell. The red blood

After PEMF



cells performance is also improved by maintaining the cell membrane electrical surface tension by making it easier for them to pick up and off load more oxygen molecules, which provides a better quality blood supply for the body, in turn boosting the immune system and allowing the body to heal itself quicker. Improving cell function has a knock-on effect to the performance of the body as a whole by increasing the energy available for movement or recovery.

Nobel Prize Winners, Linus and Pauling, found that in a lot of healthy and non-healthy people's red blood cells, which contain hemoglobin to carry oxygen as well as transport various other nutrients and waste products, were only picking up from the lungs and delivering to the capillaries 1 molecule of oxygen. Red blood cells hemoglobin is capable of transporting 4 oxygen molecules which means that most bodies are only performing at 25% of their potential capacity. Introducing PEMF therapy can make sure our cells are working more efficiently and delivering closer to 100% of the circularity's systems potential.





PEMF

And You

There are a number of different PEMF therapy devices with High and Low intensities and running at different frequencies (Hz), therefore how do you know what one is right for you?

pemf India have searched the market far and wide to not only make accessible, a range of devices to the UK but also provide those which are proven to work with years of experience that we feel cater for all needs. It is important for us to know your needs before we can recommend a specific device to get the maximum benefits. As a very general rule, low intensity, full body systems are for systemic benefits and localized applicators for specific areas of pain. High intensity devices are best suited to health clinics and

sports therapists for on the spot, instantaneous treatment.

We cannot replace a healthy lifestyle with PEMF therapy and it is still important for us to fuel our bodies with the nutrients it needs through healthy living. We need to fuel our body with healthy eating as well as a sufficient supply of water and for this we should be drinking sufficient quantities (at least 2 or 3 litres per day, provided there is no medical condition which advises not to do so). This is probably one of the easiest things we can do to stay healthy. Through a healthy diet, regular exercise and daily boosts of PEMF therapy we can prevent/ repair the effects of many chronic illnesses



and causes of pain.

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What are the benefits?

Using a PEMF therapy device daily rejuvenates your cells and increases their metabolism by:

- Improving ATP (energy) production increasing oxygen supply to cells
- Enhancing circulation by utilising all oxygen carried by the blood
- Facilitating detoxification of the body
- Allowing for a better absorption of nutrients

This provides support for:

- Muscles, tendons and ligaments in preparation for and recovery from exercise and strain
- Bone regeneration in recovery from exercise, maintaining density and bone regrowth
- Wound healing by increasing the stimulation of new cell growth and the output of current cells
- Boosting the immune system and aiding in prevention of injury and disease.



There are many different applications that PEMF can be used for:

- There are general benefits to health by rejuvenating and energising the body before a day's work or physical activity, also by winding the body down, recovering after physical activity and helping to go to sleep on a daily basis.
- Recovery time from injury or disease is improved by using the PEMF therapy devices to make the body more efficient in repairing itself.
- Pain management with common conditions like arthritis, fibromyalgia, osteoporosis and back pain can be helped using PEMF.
- Athletes can use PEMF therapy device before a sporting event to prepare the muscles for exercise, which can prevent injury and maximizes performance, as well as after a sporting event and physical strain to speed up the recovery process by efficiently removing waste products from the cells and replenishing energy stores.

Guidelines and recommendations:

NICE UK recommends TMS (transcranial magnetic stimulation) for treating depression and migraines

The FDA (US) has already approved many PEMF devices to aid:

- Fusing broken bones
- Healing wounds
- Pain and tissues swelling
- Depression



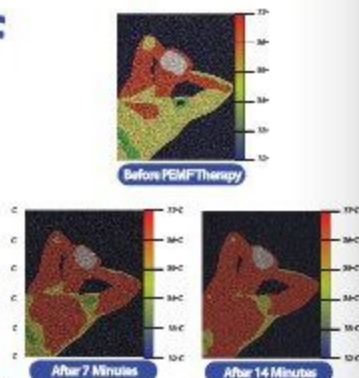


Common misconceptions with the use of PEMF Therapy

Static magnets vs Electromagnets

Magnetic fields from static or permanent magnets do not penetrate the skin because there is not an electrical current running through them. There is no scientific evidence to support the effectiveness of static magnets. They are not classed as medical products and are sold as 'wellness products' whereas electromagnets are class IIa medical products which requires clinical evaluation and PEMF is used by Doctors, by physiotherapists and by private households.

Static Magnets	Pulsed Electro- Magnets
Very little clinical evidence to show any effect	Over 7000 clinical studies showing the positive effects of Pulsed Electro-Magnets and physical changes it influences throughout the body
The magnetic force barely penetrates the skin and does now create any sensation	The Magnetic field easily passes through the body, muscles and easily through bones, again without any sensation or pain
Magnetic bracelets are similar to those used on a fridge. They are not electrically charged	PEMF is different technology and is created by passing electric current through long coils of copper. This creates a magnetic field similar to the one created by the earth's core. The intensity of the magnetic field can be regulated and frequency changed to create therapeutic effects on the body



TENS Vs PEMF

TENS (Transcutaneous Electrical Nerve Stimulation) is the act of passing small electrical impulses through the muscle to encourage a response. The electrical impulses can block or reduce the pain signals going to the spinal cord and brain, which can help reduce or relieve pain or muscle spasm. The electric currents can also stimulate the production of endorphins, which are the body's natural painkillers (NHS.co.uk)

PEMFT (Pulsed Electro-Magnetic Field Therapy) is a different concept entirely. It involves creating a magnetic field, either that of the earth's natural magnetic field or stronger more intensified forms of magnetic fields and applied to the whole body or a targeted area. These magnetic fields are able to penetrate through the body without pain or invasive methods. Like TENS, PEMFT can block pain signals from travelling around the body but where it differs from TENS it can encourage the body's natural ability to heal its self rather than just blocking the pain signals. Therefore over time the therapy can aid in the body's ability to heal to fix the source of the pain rather than just mask it, like pain killers. PEMFT also encourages better circulation and cell regeneration to heal areas of the body causing pain.

TENS	PEMF
Electrical impulses	Varied Strength Magnetic Fields
Temporary pain relief through body's natural pain killer (endorphins)	Encourages the body to heal at the source of the pain. Therefore fixing the problem rather than masking it temporarily
Non-invasive but can cause muscles to convulse and cause a tingling sensation	Non-invasive and completely pain free. There is no sensation on low intensity PEMF systems

Magnetic properties in blood

A common misconception is that magnets attract the iron ions, in the 4 haem groups of the hemoglobin in erythrocytes and this then increases the circulation rate but, this is not the case. What happens is the pulsed electromagnetic fields increase the performance of the erythrocytes by increasing the amount of oxygen passed between them and tissue cells. The pulsed electromagnetic fields can move past the skin and penetrate deep into the body unlike static magnets fields which cannot reach past the skin.





Pain

Management

If you live your life with constant pain then you may have already tried many forms of therapy, failing that you may try to mask your pain with pills and organise your daily plan around your pain. This cycle is practiced for such a long time until the body develops a medication resistance, which is often the case with taking so many pain-relievers. The other consequences of long term pain medication are stomach problems, which can actually cause more suffering than the original reason for taking the medication. Today there are alternative therapies to treat arthritis, osteoporosis, rheumatism, migraine, fibromyalgia and other ailments which do not cause unwanted side effects and are not necessarily expensive.

Introducing PEMF therapy alongside a healthy diet and regular exercise can speed up this cell regeneration and repair process to enable us to move with less pain and more mobility which will help alleviate symptoms for many musculoskeletal disorders. Patients have seen huge benefits in previous trials and have reduced the medication they need after a short time.

Diagnosed Conditions

If you have a diagnosed condition PEMF therapy can be used to reduce symptoms. With diseases such as osteoarthritis and osteoporosis pain management can be a huge part of your life and with plenty of evidence to support how PEMF therapy can make a massive difference to your daily pain. By improving the daily pain you will be free from the prison that these conditions create and you can enjoy things that these diseases prevent you from completing.

Illness or Injury

If you have recently been ill or had an injury, PEMF therapy can be used to help speed up recovery time. With surgery or fracturing, bruising and lacerations our body needs a lot of help to heal. PEMF therapy has been shown to improve the healing time of most types of injuries by motivating cells to work at their maximum capacity, to repair damaged cells and promote fresh and healthy tissue growth.

General Wellbeing

If age is catching up with you or you just generally need an injection of energy in your life then using PEMF therapy can help you feel fighting fit again, and ready to take on the world. Pulsed Electromagnetic Fields provide a perfect way to re-energise yourself on a day-to-day basis and having you showing your best self at work, spending time with your family or completing hobbies and activities that you enjoy.

Introducing PEMF therapy has shown to have beneficial effects to help alleviate the suffering and pain from many different conditions. There are many case studies and clinical trials that have been conducted to show the trend in a patient's condition after introducing PEMF therapy. You can find more information about proven studies on our website. Please ask for references of similar conditions and previous case studies as well as a 2 week trial of our device to see the benefits for yourself.

The PEMF therapy systems do not use magic, but they stimulate our bodies to operate more efficiently and help us to regenerate cells. When we suffer from arthritis, our normal movement causes our bones to rub together and wear away. Our body's ability to repair those damaged cells and bone structures is compromised by our age or another conditions. PEMF therapy has actually proven to regenerate cartilage naturally. This was shown in 1998 when ECKSTEIN et al. proved through resonance tomograph imagery how PEMF regenerated cartilage in the knee joint of a patient with knee gonarthrosis.





Sports Enhancement & Recovery

Why sit on the sidelines when you could be competing?

Sports injuries are a common occurrence when it comes to playing and competing in sports, especially in contact sports. Introducing PEMF therapy following an injury has been shown to dramatically reduce the recovery time and get someone competing again. PEMF therapy then encourages cell regeneration, better blood circulation and more effective blood cells to efficiently carry oxygen to our bodies during high intensity sports. With more efficient recovery systems and quicker rejuvenating cells we will recover much quicker from injuries. The results from studies have been emphatic and clearly show how PEMF therapy can get you competing again quickly. Common repetitive strain injuries, like tennis elbow, have been seen to improve and completely be removed from the equation in past studies when looking at how PEMF therapy can benefit those in sport.

Using PEMF therapy on a daily basis leading up to an event can oxygenate our blood and ensure our bodies are working to their maximum capabilities. Our cells are carrying around the good nutrients and distributing the maximum amount of oxygen to the areas that most need it, as well as recovery time whilst training being decreased. Both methods of preparation have similar outcomes, but one can be done from the comfort of our own homes or training/ Rehabilitation centre.

Specific conditions

If you suffer from Tennis Elbow (Lateral Epicondylitis) or Golfers Elbow (Medial Epicondylitis), which is caused by repetitive strain to the bony prominences where the tendons insert. PEMF therapy works to reduce inflammation; encourages the repair of micro-tears in the tendons, as well as reduce symptoms and relieve pain from sufferers. If you are susceptible to joint inflammation or muscle strains from exercise then by using PEMF therapy on a regular basis reduces the risk of injuries, speeds up recovery time and ensures continuous performance.

Even if you do not have an underlying condition regular PEMF therapy can really improve your performance and works best if used before and after exercise.

Benefits to a warm-up prior to exercise

PEMF therapy prepares your muscles, ligaments and tendons for exercise to minimise the risk of injury. It does this by increasing the blood circulation and improving the lymphatic system to make sure there are no toxins in the muscles and a supply of energy and nutrients ready for exercise.

Benefits to a cool-down post exercise

PEMF therapy aids the general recovery from exercise through the removal of waste products such as CO₂ and lactate. Recovery is also aided by replenishing energy stores in the muscles and liver with adenosine triphosphate (ATP), glycogen, myoglobin. Also it aids the repaying oxygen debt during recovery by increasing gaseous exchange at the capillary-alveoli membranes.

General improvement and injury recovery time

The general improvements to your body are that it increases performance including improved venous return, improved muscle blood flow and an improved oxygen uptake. Also PEMF therapy helps to repair myofibril tears and rips to make muscles stronger and to prevent delayed onset muscle soreness (DOMS) after excessive and repeated strain.





In addition to recommendations in NICE (National Institute for Health and Care Excellence) and FDA (Food and Drug Administration), there have been thousands of studies on Pulsed Electro-Magnetic Field Therapy and these can be used to show how PEMFT can support and provide benefits for the following conditions:

Anti-depressant
Arthritis
Auditory disorders
Back pain
Bone healing and repair
Cancer
Cardiac stimulation
Cartilage growth
Cerebral ischemia (stroke)
Chronic pain
Congenital pseudoarthrosis
Coronary protection
Crohn's
Depression
Endocrine ophthalmopathy
Fibromyalgia
Gastro disorder
Golf arm
Gonarthrosis
Hearing disorders
Heart disease and failure
Hip arthroplasty
Human standing balance
Incontinence
Insomnia
Interbody lumbar fusions
Joint diseases
Lateral epicondylitis

Lateral humeral epicondylitis
Lower back pain
Multiple sclerosis
Musculoskeletal disorders
Myocardial protection
Nerve related pain
Neuroendocrine system
Neurological disorders
Operation recovery
Osteoarthritis
Osteoporosis
Osteotomies
Pain management
Perthes disease
Psychiatric disorders
Psychophysiological regulation
Recovery
Rheumatoid arthritis
Rotator-cuff tendinitis
Sciatica
Shoulder impingement syndrome
Sleep disorders
Soft-tissue regeneration
Spinal fusions
Stress
Tennis elbow

And many more...



Using PEMF to Accelerate Cartilage Repair

The use of PEMF is critical in accelerating cartilage repair. PEMF energizes the chondrocyte cells which produce the cartilaginous matrix thus speeding up the production of cartilage. The stimulation of these cells produces new cartilage where previously it was damaged or worn out. At the same time the osteoclasts break down bone structure that has been damaged, worn out, or weakened, while the osteoblasts are stimulated to regenerate new bone structure.

Regrown Cartilage in the Knee

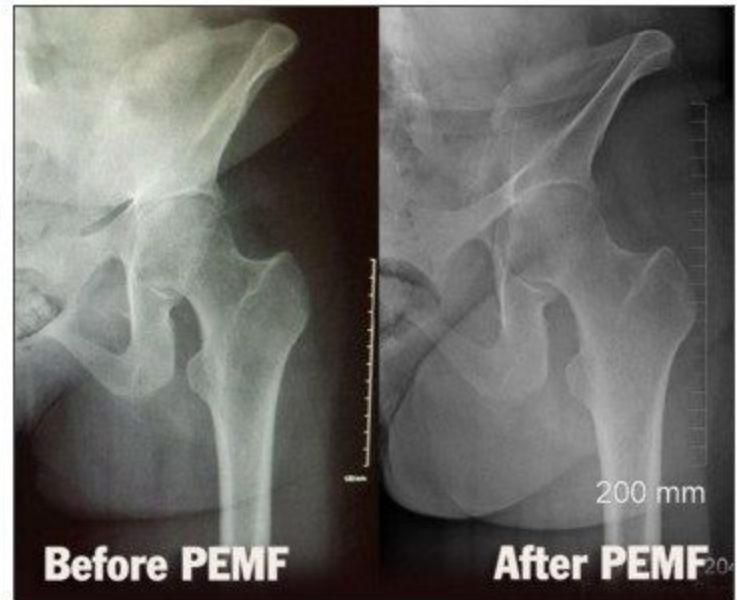
Patients have experienced regrowth of cartilage in knee joints changing the bone-on-bone situation, recreating the cartilage between the bones increasing the glide and removing the pain. The X-ray below shows the knee of a 70-year-old female who was experiencing extreme pain when walking because the cartilage had degenerated. The **PEMF** encouraged cartilage growth between the bones (on right) removing the need for a knee replacement.



Left: before, bone on bone, Right: after PEMF cartilage has been regrown

Avoiding Hip Replacement

A common feature of middle to old age is the degeneration of the hip joint. The bone structure is diminished due to a drop in bone density from osteoporosis. The cartilage gets worn out as the structure collapses resulting in bone on bone. Usually the treatment is hip replacement, however this is often not prescribed for those experiencing hip degeneration at an early age. The **PEMF** stimulated both bone and cartilage regeneration, avoiding hip replacement. The X-ray shows the regeneration of a hip in a middle aged woman, removing the need for the hip replacement on this hip.



PEMF has consistently resulted in cartilage and bone regrowth, repairing knees and hips and removing the need for invasive surgery with the potential for nerve damage, infections and a much longer recovery time.

Scientific studies.

Scientists and researchers around the world have been finding significant results with the use of PEMF in cartilage regrowth and bone repair.

The department of Orthopaedics from the Christin Medical College and the Sree Chitra Tirunal Institute for Medical Sciences and Technology in India reported:



"PEMF stimulation of osteochondral defects with calcium phosphate scaffold is effective in hyaline cartilage formation. PEMF is a non-invasive and cost effective adjuvant treatment with salvage procedures such as abrasion chondroplasty and subchondral drilling."⁽¹⁾

The Department of Biochemistry and Biophysics at the University of Rhode Island produced a report which stated:



Pulsed electromagnetic fields (PEMFs) of certain configuration have been shown to be effective clinically in promoting the healing of fracture nonunions and are believed to enhance calcification of extracellular matrix. In vitro studies have suggested that PEMFs may also have the effect of modifying the extracellular matrix by promoting the synthesis of matrix molecules.... Histomorphometric studies indicate that the maturation of bone trabeculae is also promoted by PEMF stimulation. These results indicate that a specific PEMF can change the composition of cartilage extracellular matrix in vivo and raises the possibility that the effects on other processes of endochondral ossification (e.g., fracture healing and growth plates) may occur through a similar mechanism."⁽²⁾

Conclusions from a study conducted by the University of Ottawa stated:



“Current evidence suggests that electrical stimulation therapy may provide significant improvements for knee osteoarthritis...” (3)

The Royal Veterinary Basic College in London also reported:



“The influence of pulsed electromagnetic fields (PEMF) on proteoglycan composition in cartilage extracellular matrix has been investigated.... PEMF treatment... significantly stimulated the retention of glycosaminoglycans in the explants and reduced the release of glycosaminoglycans into the media... It is concluded that PEMF treatment preserved extracellular matrix integrity of cultured cartilage explants by down-regulating proteoglycan synthesis and degradation in a co-ordinated manner without affecting their gross structural nature. (4)

Building Blocks

PEMF will stimulate the osteoblasts and the extracellular matrix in rebuilding bone structure and cartilage. Good nutrition, minerals, and supplementation are required to provide the building blocks for the cells to work in reconstruction. Due to soil depletion, healthy diets may not contain the necessary nutrients in the adequate amounts to make a difference. Consult your health care professional to find viable sources of supplements such as collagen, hyaluronic acid, vitamin K2, and minerals like calcium, magnesium, boron and silica.

PEMF will provide an important foundation for healthy aging and repair of wearing body structures, enabling the participation in an active lifestyle.

PEMF TRIALS IN INDIA

- 1) The first research programme in India will be conducted at the prestigious Escorts Heart Institute and Research Centre, New Delhi. Escorts hospital is internationally renowned for state- of -the-art facilities, services and technology. They are also involved in providing highest quality healthcare as well as conducting independent and collaborative research studies and trials in various specialized fields.
- 2) The clinical study on Intermittent Claudication (Smoker's Legs) has been approved by the Independent Ethics Committee and will be conducted by Dr. Ashok Gupta, Consultant Vascular Surgeon and Dr. Naresh Trehan, Executive Director and Chief Cardiothoracic and Vascular Surgeon. Title of study: A clinical placebo-controlled study to investigate the effects of Pulsed electromagnetic therapy on patients suffering from intermittent claudication, in the Indian scenario.
- 3) A clinical study is also being conducted at The Faculty of Sports Medicine and Physiotherapy at Guru Nanak Dev University, Amritsar, which is internationally renowned for excellence in education and research. Guru Nanak Dev University has been awarded a 5 star status (the highest level) by National Assessment and Accreditation Council (NAAC) and their Centre for Excellence in Sports provides medical treatment and rehabilitation to athletes of national and international repute.
- 4) The University will be conducting extensive and specialized research on the beneficial effects of the PEMF Therapy in sports injuries under the guidance of Dr. Jaspal Sandhu, Dean of Faculty of Sports Medicine and Physiotherapy Guru Nanak Dev University, Amritsar. Collated with clinical evidence and experience from PEMF Clinics, the Indian research project can open new avenues in the management of major and minor sports injuries.
- 5) A research project is also proposed to be conducted at the Indian Spinal Injuries Centre, Vasant Kunj, N. Delhi. I.S.I.C is an Indo Italian project in collaboration with San Raffaele Hospital, Milan (Italy). It is the biggest spinal injury centre in India with the largest & well-equipped state of the art facilities of patient care. A clinical placebo-controlled study to investigate the effects of Pulsed electromagnetic therapy on Fracture Healing in the Indian scenario will be conducted at I.S.I.C under the supervision of Dr. H.S. Chhabra, Orthopaedic Surgeon, Addl. Medical Director, I.S.I.C.
- 6) A research project in Orthopedic Unit 3 in C.M.C. Vellure is on going and AIIMS New Delhi Orthopedic department is starting soon.

PEMF Therapy for PEOPLE

Is pain holding you back from living the life you want???

Are YOU one of the 100+ Million experiencing Chronic Pain???

PEMF Therapy can offer DRUG-FREE Relief from Chronic Pain and so much more...

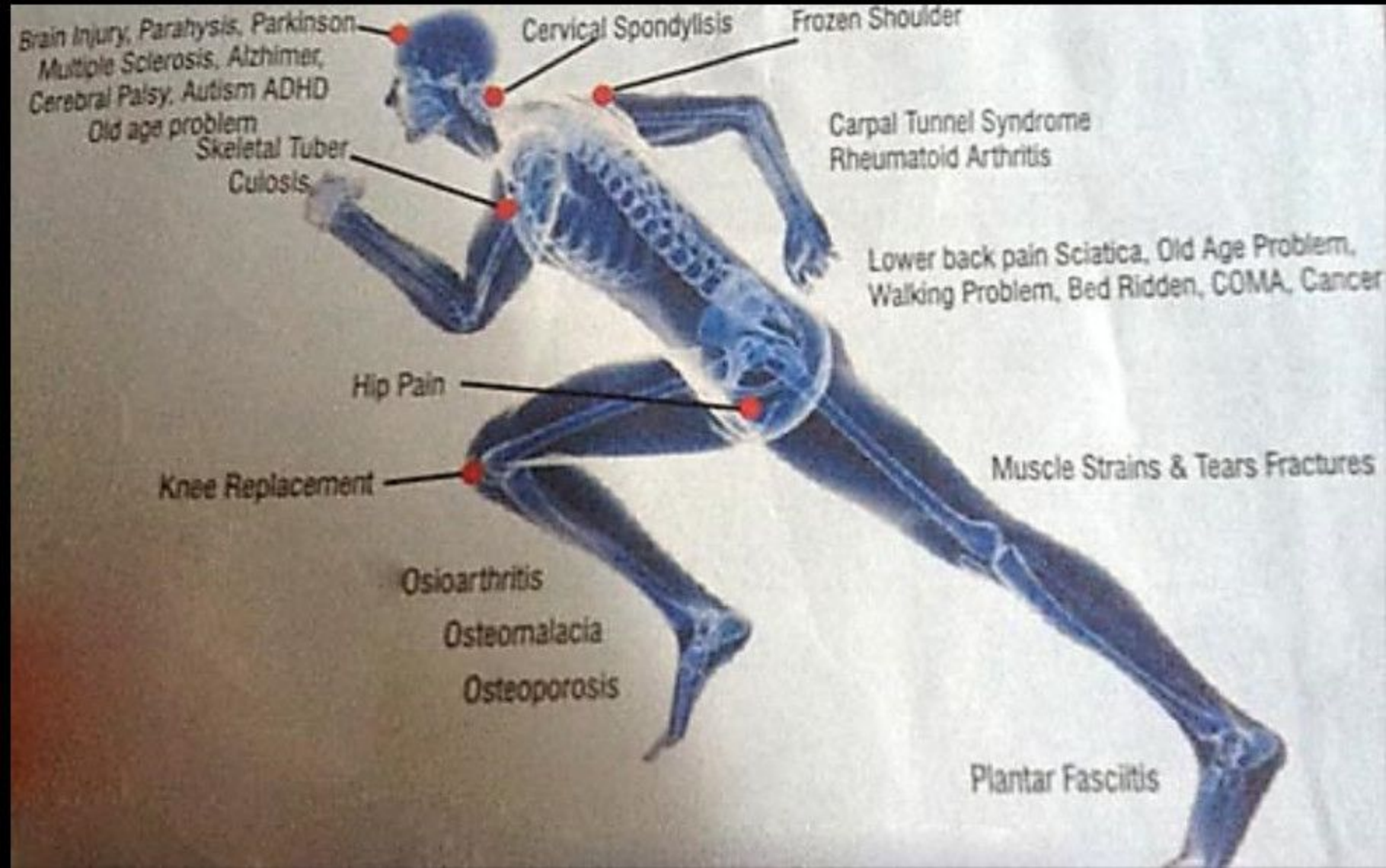


**PEMF Therapy can help YOU Relieve Your Pain,
Regain Your Health and Reclaim Your LIFE!**

PEMF is an exciting alternative to conventional medicine for pain relief and healing.

Safe, Effective and Non-Invasive.

PEMF has NO Side-Effects, NO Toxicity, No risk of Addiction or other Complications



Brain Injury, Paralysis, Parkinson's,
Multiple Sclerosis, Alzheimer's,
Cerebral Palsy, Autism, ADHD,
Old age problem

Skeletal Tuberculosis

Cervical Spondylitis

Frozen Shoulder

Carpal Tunnel Syndrome
Rheumatoid Arthritis

Lower back pain, Sciatica, Old Age Problem,
Walking Problem, Bed Ridden, COMA, Cancer

Hip Pain

Knee Replacement

Osteoarthritis
Osteomalacia
Osteoporosis

Muscle Strains & Tears, Fractures

Plantar Fasciitis



PEMF Recommendations for Common Problems and Diseases

Allergies.....	10 minutes @ 5-10 Hz
Alzheimer's Disease.....	20-30 minutes @ 2-8 Hz
Angina pectoris.....	20-30 minutes @ 2-8 Hz
Arrhythmia.....	20-30 minutes @ 7-8 Hz
Asthma.....	20 minutes @ 7-10 or 12-15 Hz
Bronchitis.....	12 minutes @ 4 Hz
Bruises.....	15 minutes @ 10 Hz
Carpal Tunnel Syndrome.....	10 minutes @ 6 or 20 Hz
Circulatory Dysfunction.....	15 minutes @ 7-10 Hz
Dental and Oral Diseases.....	30 minutes @ 30 Hz
Depression.....	10 minutes @ 3 or 20 Hz
Diabetes.....	20 minutes @ 2-6 or 20 Hz
Dislocations and Sprains.....	20-30 minutes @ 10 Hz
Erectile Dysfunction.....	20 minutes @ 6 Hz
Fibromyalgia.....	20 minutes @ 18 Hz
Fractures.....	20 minutes @ 10 or 20 Hz
Frozen Shoulder.....	20-30 minutes @ 7-8 Hz
Headache.....	15 minutes @ 3 or 6-10 Hz
Herniated Disc.....	20-30 minutes @ 16-20 or 30 Hz
Hyperactivity.....	10 minutes @ 20 Hz
Hypertension (High Blood Pressure).....	20-30 minutes @ 1-5 Hz
Ligament Injuries.....	20 minutes @ 10-15 Hz
Lumbago.....	15 minutes @ 10 or 20 Hz
Menstrual Pain.....	20 minutes @ 5-7 Hz
Multiple Sclerosis.....	20-30 minutes @ 5, 13 or 20 Hz
Nerve Pain.....	10 minutes @ 6 Hz
Osteoporosis.....	20 minutes @ 8-10, 15 or 19 Hz
Parkinson's Disease.....	20-30 minutes @ 20 Hz
Rheumatoid Arthritis.....	20 minutes @ 10 or 20 Hz
Sciatica.....	20 minutes @ 16-20 Hz
Sleep Disorders.....	10-20 minutes @ 1-5 Hz
Stomach Ache / Duodenal Ulcer - No Bleeding!.....	12 minutes @ 10 Hz
Strains or Sensitivity to Weather Fronts.....	15 minutes @ 11-15 Hz
Stress.....	15 minutes @ 3 or 5 Hz
Stroke.....	15 minutes @ 7-10 or 20 Hz
Tendinitis.....	10 minutes @ 8 Hz
Tennis or Golf Elbow.....	10 minutes @ 8 Hz
Tuberculosis (TB).....	12 minutes @ 4 Hz
Wound healing.....	15 minutes @ 1-5 Hz

Use General PEMF Programs for 20-30 Minutes for
Colon, Crohn's Disease, Glaucoma, Hepatitis, Liver, Pancreas,
Psoriasis, Spinal Injuries, or Systemic Lupus Erythematosus (SLE).

PEMF Recommendations for Common Problems and Diseases

Allergies..... 10 minutes @ 5-10 Hz Alzheimer's Disease..... 20-30 minutes @ 2-8 Hz Angina pectoris..... 20-30 minutes @ 2-8 Hz Arrhythmia..... 20-30 minutes @ 7-8 Hz Asthma..... 20 minutes @ 7-10 or 12-15 Hz Bronchitis..... 12 minutes @ 4 Hz Bruises..... 15 minutes @ 10 Hz Carpal Tunnel Syndrome..... 10 minutes @ 6 or 20 Hz Circulatory Dysfunction..... 15 minutes @ 7-10 Hz Dental and Oral Diseases..... 30 minutes @ 30 Hz Depression..... 10 minutes @ 3 or 20 Hz Diabetes..... 20 minutes @ 2-6 or 20 Hz Dislocations and Sprains..... 20-30 minutes @ 10 Hz Erectile Dysfunction..... 20 minutes @ 6 Hz Fibromyalgia..... 20 minutes @ 18 Hz Fractures..... 20 minutes @ 10 or 20 Hz Frozen Shoulder..... 20-30 minutes @ 7-8 Hz Headache..... 15 minutes @ 3 or 6-10 Hz Herniated Disc..... 20-30 minutes @ 16-20 or 30 Hz Hyperactivity..... 10 minutes @ 20 Hz Hypertension (High Blood Pressure)..... 20-30 minutes @ 1-5 Hz Ligament Injuries..... 20 minutes @ 10-15 Hz Lumbago..... 15 minutes @ 10 or 20 Hz Menstrual Pain..... 20 minutes @ 5-7 Hz Multiple Sclerosis..... 20-30 minutes @ 5, 13 or 20 Hz Nerve Pain..... 10 minutes @ 6 Hz Osteoporosis..... 20 minutes @ 8-10, 15 or 19 Hz Parkinson's Disease..... 20-30 minutes @ 20 Hz Rheumatoid Arthritis..... 20 minutes @ 10 or 20 Hz Sciatica..... 20 minutes @ 16-20 Hz Sleep Disorders..... 10-20 minutes @ 1-5 Hz Stomach Ache /

Duodenal Ulcer - No Bleeding!..... 12 minutes @ 10 Hz Strains or Sensitivity to Weather Fronts..... 15 minutes @ 11-15 Hz Stress..... 15 minutes @ 3 or 5 Hz Stroke..... 15 minutes @ 7-10 or 20 Hz Tendinitis..... 10 minutes @ 8 Hz Tennis or Golf Elbow..... 10 minutes @ 8 Hz Tuberculosis (TB)..... 12 minutes @ 4 Hz Wound healing..... 15 minutes @ 1-5 Hz zzz Use General PEMF Programs for 20-30 Minutes for Colon, Crohn's Disease, Glaucoma, Hepatitis, Liver, Pancreas, Psoriasis, Spinal Injuries, or Systemic Lupus Erythematosus (SLE).

High power PEMF mat UPTO 600 Gauss

INTENSITY IN THREE STEPS

LOW 100 MICROTESLA for Genral Wellness

Medium 300 Gauss for Superficial Treatment

Highest 600 Gauss for Deep penetration

Can choose any intensity

Frequency 1-100 HZ

Square/Sine wave

Size of mat 2 feet x 2.5 feet



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Meet Once & forget your joint pain

ADVANCED JOINT TREATMENT



PULSED ELECTROMAGNETIC THERAPY OR PEMF
for the treatment of musculoskeletal disorders

Avoid Knee Replacement Surgery

Get relief from the painful degenerative.

No knee replacement surgery
required if treated early.

Can reduce the pain significantly
or completely



PAIN SPECIALIST CLINIC

KNEE PAIN, BACK PAIN, ARTHRITIS, CERVICAL PAIN, FROZEN
SHOULDERS, JOINT PAIN, MUSCLE SPASM, NON UNION OF BONES
SLIP DISC, HERNIATED DISC, PARALYSIS, DEPRESSION, OCD
ALZHEIMER, PARKINSON, MIGRAINE, DIABETES PROBLEM

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PAIN FREE | SURGERY FREE | DRUGS & INJECTION FREE | NO HOSPITALIZATION
Very short Treatment period 10 to 25 days daily 30 mins.

LOW FIELD TRANSCRANIAL MAGNETIC STIMULATION SPECIFICATIONS

INTENSITY UPTO 150 MICRO TESLA DAY MODE

INTENSITY UPTO 60-70 MICRO TESLA NIGHT MODE

FREQUENCY 1 - 30 HZ

SQUARE WAVE

LOW FIELD TRANSCRANIAL MAGNETIC STIMULATION FOR PSYCHIATRIC AND NEUROLOGICAL PROBLEMS

- DEPRESSION
- OCD
- ALZHEIMER
- PARKINSON
- AUTISM
- CEREBRAL PALSY
- MOTOR NEURON DISEASES
- MIGRAINE
- ADHD
- SCHIZOPHRENIA
- BRAIN INJURIES
- STROKE
- INSOMNIA
- TINNITUS
- CEREBRAL DEGENERATION
- ATAXIA
- MULTIPLE SCLEROSIS
- DYSTONIA
- SPINE INJURIES
- AND MANY MORE

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No medicine and Zero side effects

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Helps in the healing of brain related disorders like depression, insomnia and other brain cell degeneration disorders.

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Can be used in following conditions

**OCD
Parkinson
Alzheimer disease
Insomnia
ADHD
Autism
Post Stroke Disabilities
Cerebral Palsy
Motor Neuron Diseases
Cerebral degeneration
Ataxia
Spine Injuries
Multiple Sclerosis
Dystonia
Schizophrenia
and many more**



Low Field Transcranial Magnetic Stimulation (TMS) Helmet
for Neurological and Psychiatric Diseases



SIGNAL GENERATOR



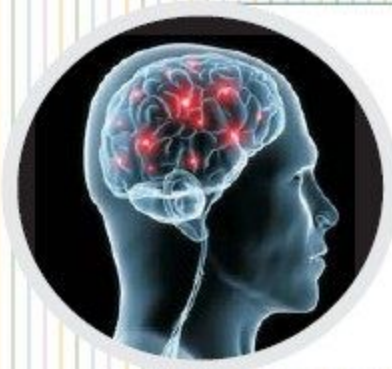
Solve your Psychiatry Disorder with our PEMF based rTMS Device



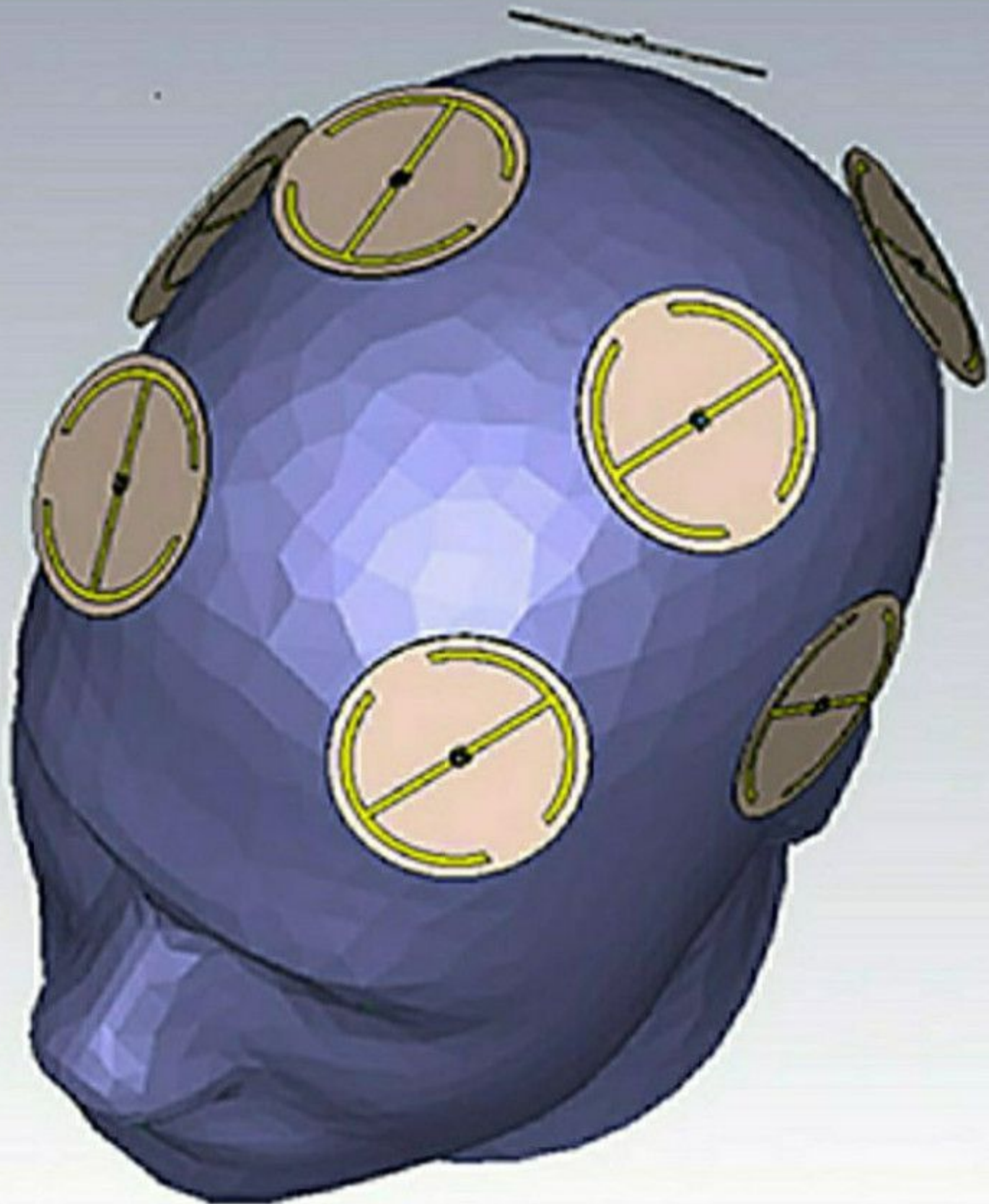
rTMS In PSYCHIATRY & NEUROLOGICAL DISORDERS



Highly effective (based on results of clinical research, rTMS surpasses the success rates of Pharmacotherapy intervention and Electro Convulsive Therapy), Painless procedure, Non-invasive, No anesthesia required, Outpatient therapy, Excellent ability to target specific neuron circuits, Effectiveness only requires 2 to 4 weeks of treatment, Ability to provide therapeutic benefit for treatment-resistant individuals. Patients do NOT have to stop taking medication in order to receive rTMS. Equivalent effectiveness in treating both patients with Major Depressive Disorder and those suffering from Bi-polar Disorder.



Dystonia, Tremor, Movements with Parkinson's Disease, Depression, Obsessive compulsive disorder (OCD), Tourette's disorder or Tic Disorder, Epilepsy, Multiple sclerosis, Autism, Brain stroke, Lazy Eye (Amblyopia), ADHD, Schizophrenia, Bipolar disorder, Decreasing Anxiety, Eating Disorders (Anorexia Nervosa & Bulimia Nervosa), Migraine, Mental Retardation, Learning Difficulties, Hyperactivity in children, Dementia, Alzheimer's Disease, Cerebral Palsy, Motor Neuron Disease, and many more.....





Common Frequency Settings Used With Pulsed Electromagnetic Field Therapy

General Morning or early afternoon: 8 – 10 minutes using P1
General Evening (Better Rest): 8 – 10 minutes using P3 on 2Hz or 3Hz

	DISEASE	DURATION OF TREATMENT	FREQUENCY
MUSCULOSKELETAL SYSTEM	Fractures	20 minutes	10 or 20 Hz
	Periostitis	20 minutes	6 Hz
	Pseudoarthrosis (nonunion)	20-30 minutes	10 or 20 Hz
	Osteoporosis	20 minutes	8,9,10, 15 or 19 Hz
	Osteoarthrosis (osteoarthritis)	20 minutes	8-12 or 18 Hz
	Tendinitis	10 minutes	8 Hz
	Ligament injuries	20 minutes	10-15 Hz
	Frozen shoulder	20-30 minutes	7-8 Hz
	Tennis or golf elbow	10 minutes	8 Hz
	Dislocations and sprains	20-30 minutes	10 Hz
	Strains	20 minutes	11-15 Hz
	Herniated disc	20-30 minutes	16-20 or 30 Hz
	Rheumatoid arthritis	20 minutes	10 or 20 Hz
	Psoriatic arthritis	20 minutes	P1
	Fibromyalgia	20 minutes	18 Hz
	Musculoskeletal pain	20 minutes	10 Hz
CARDIOVASCULAR SYSTEM	Osteonecrosis/osteochondrosis	20-30 minutes	10, 19 or 20 Hz
	Hypertension (high blood pressure)	20-30 minutes (40 minutes for chronic cases)	1-5 Hz
	Arrhythmia	20-30 minutes	7-8 Hz
	Angina pectoris)	20-30 minutes	2-8 Hz

CIRCULATION	Hypertension (high blood pressure)	20-30 minutes (40 minutes for chronic cases)	1-5 Hz
	Arrhythmia	20-30 minutes	7-8 Hz
	Angina pectoris)	20-30 minutes	2-8 Hz
	Arteriosclerosis	15 minutes	7-10 Hz
	Circulatory dysfunction	15 minutes	7-10 Hz
	Poor blood supply (e.g. diabetic foot, ulcer)	20 minutes	2-6 or 20 Hz
	Raynaud's syndrome	20 minutes	15 Hz
	Lymphatic disorders	20-30 minutes	P1
NERVOUS SYSTEM	Stroke	15 minutes	7-10 or 20 Hz
	Alzheimer's disease	20-30 minutes	2-8 Hz
	Parkinson's disease	20-30 minutes	20 Hz
	Headache	15 minutes	3 or 6-10 Hz
	Tinnitus	20 minutes	10 Hz
	Sleep disorders	10-20 minutes	1-5 Hz
	Carpal tunnel syndrome	10 minutes	6 or 20 Hz
	Lumbago	15 minutes	10 or 20 Hz
	Sciatica	20 minutes	16-20 Hz
	Spinal injuries	20 minutes	P1
	Multiple sclerosis	20-30 minutes	5, 13 or 20 Hz
	Sensitivity to weather fronts	10 minutes	11-15 Hz
	Stress	15 minutes	3 or 5 Hz
	Depression	10 minutes	3 or 20 Hz

	Hyperactivity		20 Hz
	Nerve pain	10 minutes	6 Hz
DIGESTION	Diabetes mellitus	15-20 minutes	P1
	Inflamed liver, pancreas, or colon	20-30 minutes	P1
	Crohn's disease	20-30 minutes	P1
	Dental and oral diseases	30 minutes	30 Hz
	Stomach/duodenal ulcer (no bleeding!)	12 minutes	10 or 20 Hz
	Stomach aches	12 minutes	10 Hz
RESPIRATION	Bronchitis	12 minutes	4 Hz (12 Hz for chronic cases)
	Pneumonia, respiratory diseases	20-30 minutes	P1
	Asthma	20 minutes	7-10 or 12-15 Hz
	Allergy	10 minutes	5-10 Hz
	Tuberculosis (TB)	12 minutes	4 Hz
WOUNDS	Wound healing	15 minutes	1-5 Hz
	Pain associated with wound healing	15 minutes	11-15 or 17 Hz
	Bruises	15 minutes	10 Hz
	Phantom pain	15 minutes	16-19 Hz
	Bruises	16 minutes	14 Hz
PAIN	Psoriasis	20-30 minutes	P1
	Chronic pelvic pain	20 minutes	5-7 Hz
	Menstrual pain	20 minutes	5-7 Hz
	Cystitis	10 minutes	5-8 Hz
	Chronic low back pain	20 minutes	5-8 Hz

RESPI	Allergy	10 minutes	5-10 Hz
	Tuberculosis (TB)	12 minutes	4 Hz
WOUNDS	Wound healing	15 minutes	1-5 Hz
	Pain associated with wound healing	15 minutes	11-15 or 17 Hz
	Bruises	15 minutes	10 Hz
	Phantom pain	15 minutes	16-19 Hz
	Bruises	16 minutes	14 Hz
OTHER	Psoriasis	20-30 minutes	P1
	Chronic pelvic pain	20 minutes	5-7 Hz
	Menstrual pain	20 minutes	5-7 Hz
	Cystitis	10 minutes	5-8 Hz
	Prostatitis	10-15 minutes	2-8 Hz
	Erectile dysfunction	20 minutes	6 Hz
	Hepatitis	20-30 minutes	P1
	Systemic lupus erythematosus (SLE)	20 minutes	P1
	Chronic blepharitis	20-30 minutes	1 or 2 Hz
	Glaucoma, atrophy of the optic nerve	20-30 minutes	P1

Thank
You!

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