



## **P90 THz Smart Physical Instrument**

**Smart Physical Instrument**

## P90 THz Smart Physical Instrument

Cover more than **150 countries** and regions

**1000,000+** units have been sold

Over **100 million** users



# P90 Obtains High-Standard International Certification.



P90 THz Smart Physical Instrument

## CB (IEC certification)

IEC SCHEME		SG ITS-36760
SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IEC B SCHEME)		
<b>TEST CERTIFICATE</b>		
Product	THz Tera-P90	
Name and address of the applicant	XIAMEN OLYMDO IMPORT&EXPORT CO., LTD. 1602-A, 503, Gaolin Middle Road, Huli District, Xiamen, Fujian, China	
Name and address of the manufacturer	XIAMEN OLYMDO IMPORT&EXPORT CO., LTD. 1602-A, 503, Gaolin Middle Road, Huli District, Xiamen, Fujian, China	
Name and address of the factory	[Redacted]	
Model and principal characteristics	220-240 V~, 50-60Hz, 170W, Class I	
Trademark (if any)	OLYLife	
Customer's Testing Facility (CTF) Stage used	-	
Model / Type Ref.	P90	
Additional information (if necessary may also be reported on page 2)	-	
Sample of the product was tested and found to be in conformity with	IEC 60335-2-115:2021 IEC 60335-1:2010 + A1:2013 + A2:2016	
As shown in the Test Report Ref. No. which forms part of this Certificate	240401106GZU-002	
This CB Test Certificate is issued by the National Certification Body		
Intertek Testing Services (Singapore) Pte Ltd Penara Road, #06-01 Sembok Industrial Building Singapore 308025	intertek	Signature: Ong Keng Chuan
Date: 11 September 2024		

One Test, Global Acceptance  
Recognized by 50+ Member States  
A "Fast-Track" for Local Certification  
Applications Worldwide

## CE EMC (EU electromagnetic compatibility certification)

intertek Total Quality Assured	
<b>Test Verification of Conformity</b>	
Verification Number: 24031126GZU-VOC001	
On the basis of the tests undertaken, the sample(s) of the below product has been tested by an accredited 3rd party laboratory in accordance to the referenced specification(s)/standard(s) at the time the tests were carried out. This verification is part of the full test report(s) and should be read in conjunction with it (them).	
This document can be used in support of a claim in meeting relevant «EU» legislation and mandatory Conformity Marking. And in accordance with EU law, the claim is the sole obligation of the Manufacturer/ Importer.	
Applicant Name & Address:	XIAMEN OLYMDO IMPORT&EXPORT CO., LTD. 1602-A, 503, Gaolin middle road, Huli District, Xiamen, Fujian, China
Product Description:	THz Tera-P90
Model/Type References:	P90
Characteristics:	220-240 V~, 50-60 Hz, 170 W, Class I
Brand Names:	OLYLife
Specification(s)/Standards:	EN IEC 55014-1:2021 EN IEC 55014-2:2021 EN IEC 61000-3-2:2013+A1:2021 EN 61000-3-3:2013+A1:2019+A2:2021
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd, Shunde Branch Room 202/203/204, Block 8, Tianfui International Industrial Park, No.3, Changfu West Road, Nongli Community, Rongguo Subdistrict, Shunde District, Foshan, Guangdong, China
Date of Tests:	12 March 2024 to 14 June 2024
Test Report Number(s):	24031126GZU-001
Signature	Owen Huang
Name:	Owen Huang
Position:	Team Leader
Date:	21 August 2024

Proving Product Safety, Reliability, and Stable Compatibility  
A Mandatory Certification for Entering the EU Market  
Recognized by 27 European Member States, with Indirect  
Recognition in Numerous Other Countries.

## CE LVD (EU Low Voltage Directive certification)

intertek Total Quality Assured	
<b>Test Verification of Conformity</b>	
Verification Number: 240401106GZU-VOC001	
On the basis of the tests undertaken, the sample(s) of the below product has been tested by an accredited 3rd party laboratory in accordance to the referenced specification(s)/standard(s) at the time the tests were carried out. This verification is part of the full test report(s) and should be read in conjunction with it (them).	
This document can be used in support of a claim in meeting relevant «EU» legislation and mandatory Conformity Marking. And in accordance with EU law, the claim is the sole obligation of the Manufacturer/ Importer.	
Applicant Name & Address:	XIAMEN OLYMDO IMPORT&EXPORT CO., LTD. 1602-A, 503, Gaolin Middle Road, Huli District, Xiamen, Fujian, China
Product Description:	THz Tera-P90
Model/Type References:	P90
Characteristics:	220-240 V~, 50-60Hz, 170W, Class I
Brand Names:	OLYLife
Specification(s)/Standards:	Household and similar electrical appliances –Safety– EN 60335-2:2012 + A11:2014 + A12:2017 + A1:2019 + A2:2019 + A14:2019 + A15:2021+A16:2023/Part 1: General requirements EN IEC 60335-2-115: 2023/A11:2023/Part 2-115: Particular requirements for skin beauty care appliances; EN 62233: 2008/ Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure Low Voltage Directive 2014/35/EU
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd, Guangzhou Branch Room101/101A/101B/102/102A/102B/102C/102D/102E/102F/102G/102H, No. 7-2, Caipin Road, Huangpu District, Guangzhou, Guangdong, China
Date of Tests:	03 April, 2024 to 19 Aug., 2024
Test Report Number(s):	240401106GZU-001; 19 Aug., 2024
Signature	Amy Ao
Name:	Amy Ao
Position:	Sr. Supervisor
Date:	19 Aug., 2024

Cover more than **150 countries** and regions **1000,000+ units** have been sold Over **100 million** users

# Pulse electromagnetic field therapy (PEMF)

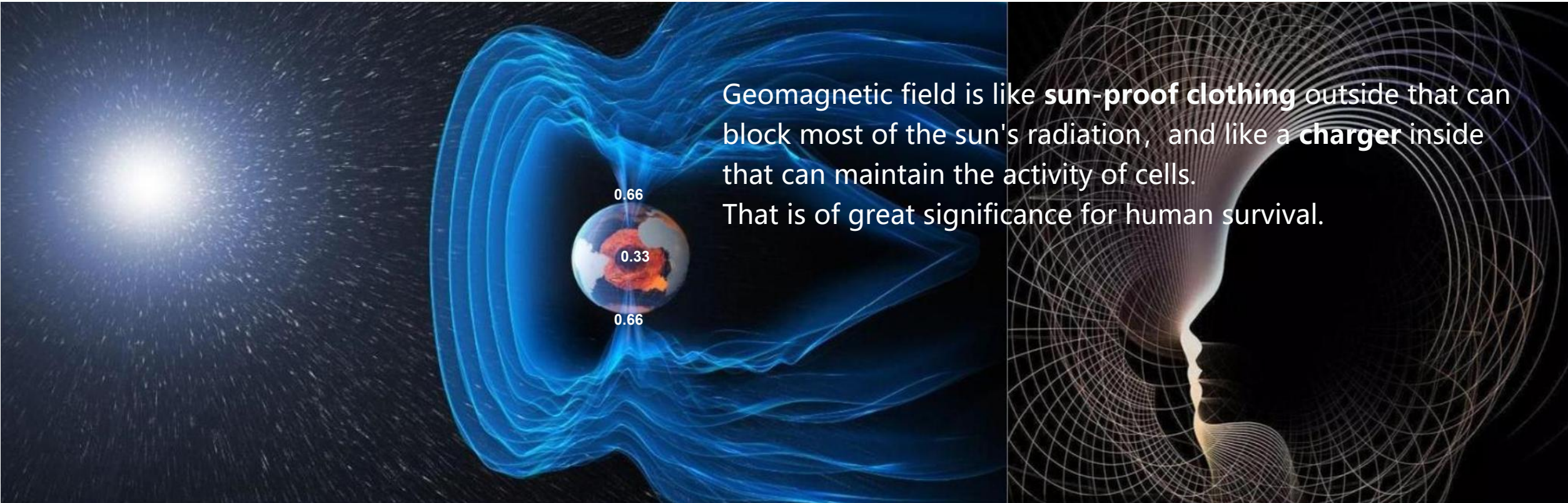


## PEMF—Space science and technology

In 1969, NASA developed a treatment method to maintain the physical health of astronauts. This method is PEMF therapy, which can reduce bone loss and muscle atrophy in astronauts.



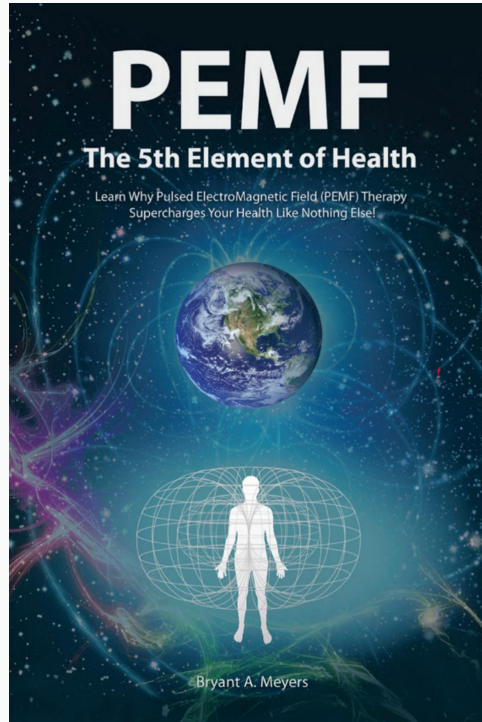
# What exactly is the geomagnetic field?



External electromagnetic fields influence the bioelectrical activity of human cells. When cells are exposed to an electromagnetic field, their internal ion channels and other structures are affected by electromagnetic induction, causing changes in ion movement and distribution, thereby regulating cell activity.

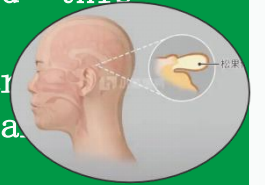
# Reference Sources of Geomagnetic Data

## 《PEMF -The Fifth Element of Health》 -- Bryant A Meyers



Humans and nature are interconnected, and nature exerts an influence on human health. (Body - Mind - Earth)

The Earth has a geomagnetic field. Organisms contain biogenic magnetite (mostly concentrated in the pineal gland of the human brain), which can interact with the geomagnetic field—this interaction has a positive impact on human health. The geomagnetic field also shields the Earth from harmful radiation, solar wind, solar eruptions, and solar flares originating from the Sun.



The intensity of the Earth's geomagnetic field has been continuously and gradually decreasing. Over the past 300 years, the Earth's magnetic field has declined by 50%.

# The geomagnetic field is weakening gradually

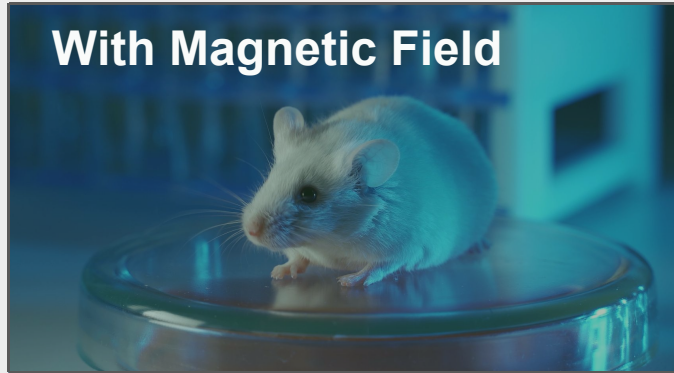


In the past 300 years, the strength of the geomagnetic field has decreased by **50%**.

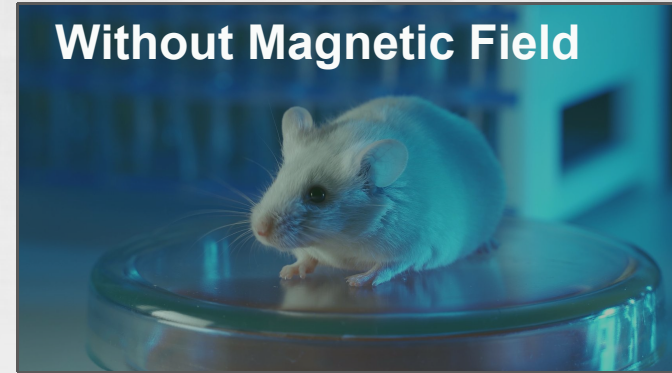
Moreover, modern people live in strong houses made of reinforced concrete, travel by metal vehicles, and there are dense power lines, etc. All of these will shield the magnetic field, causing our body to feel less and less magnetic field.

**The decreasing magnetic field will have adverse effects on cell activity, blood circulation, metabolism and overall health.**

# NASA's Mouse Experiment



**All indicators normal**

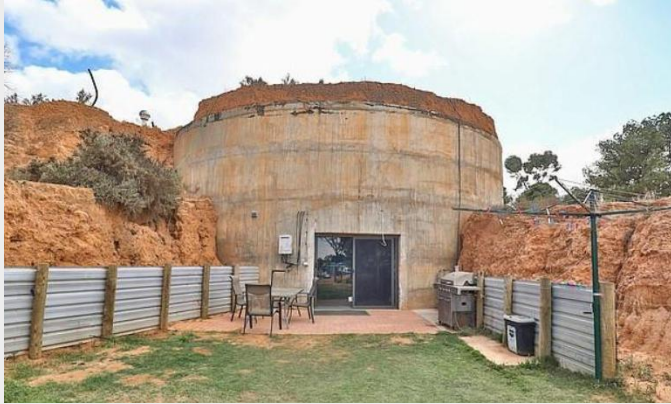


Inactive; Premature aging Nearly 14% of the adult mouse colony experienced gradual hair loss Many mice died by the sixth month The average lifespan decreased by 40%, which is equivalent to human lifespan reducing from 70 to 40 years of age.

External electromagnetic fields influence the bioelectrical activity of human cells. When cells are exposed to an electromagnetic field, their internal ion channels and other structures are affected by electromagnetic induction, causing changes in ion movement and distribution, thereby regulating cell activity.

Affected by the weakening of the magnetic field, the human body may undergo changes in physiological and biochemical properties, leading to abnormal growth of cell nuclei, alterations in the morphology and function of internal organs, infertility, and even premature death

# Dr. Rutger Wever Underground Shelter Experiment



Dr. Rutger Wever built an underground bunker in the early 1960s. For 30 years, he conducted experiments on student volunteers who had to stay in the bunker for several weeks each time, completely unaffected by the geomagnetic field.

Dr. Wever found in his research that when the magnetic field in the bunker was filtered out, the physical and mental health of the students was greatly challenged. They began to have **circadian rhythm disorders, couldn't sleep, headaches, emotional instability, restlessness, depression** and so on. But when the PEMF transmitter in the bunker was turned on or leaving the bunker, these problems were quickly resolved.



## Problems caused by long-term magnetism shortage to human body



**Dizziness and headache**

**Weakness**

**Palpitation**

**Unstable blood pressure**

**Joint pain**

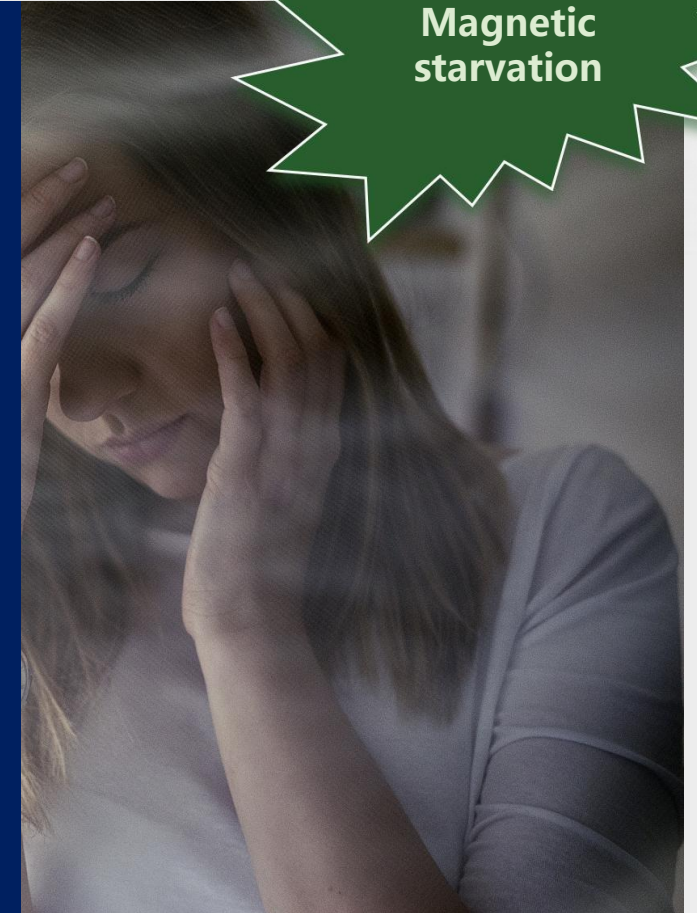
**Indigestion/constipation**

**Emotional instability**

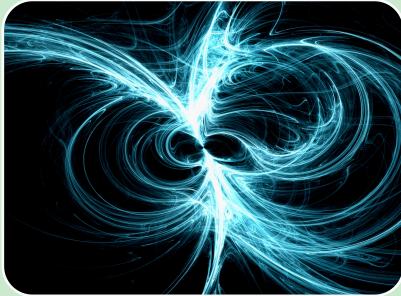
**Endocrine disorders**

**Memory loss**

**Tinnitus, etc**



## What is Pulsed Electromagnetic Field (PEMF) Therapy?



The full name of PEMF technology is Pulsed Electromagnetic Field technology. It is a biophysical therapy that **simulates the Earth's natural magnetic field, using the energy of pulsed electromagnetic fields to improve cellular metabolism and bodily circulation**, thereby treating the human body or promoting health..



PEMF technology is widely applied in many medical fields, **such as orthopedics, rehabilitation medicine, neurology, cardiology and cerebrovascular medicine, dermatology**, etc. It is not only used for health maintenance by health-conscious individuals but also extensively adopted by world-class athletes and Olympic athletes to enhance endurance, restore physical fitness, and more..

**When cells are exposed to an electromagnetic field, their internal ion channels and other structures are affected by electromagnetic induction, resulting in changes in ion movement and distribution, which in turn regulates cell activity**

# Scientific research on PEMF

## Progress of pulsed electromagnetic fields' effect on tissue wound repair

NIU Ying-ying<sup>1</sup> reviewing, JIAO Ming-ke<sup>2</sup> checking  
(1. Xijiang Medical University, Urumqi 830000, Xinjiang, China; 2. Department of Biomedical Engineering, General Hospital of Xinjiang Military Area Command, Urumqi 830000, Xinjiang, China)

**Abstract** A large number of studies have confirmed that pulsed electromagnetic fields (PEMF) can promote tissue repair, and some related studies have achieved remarkable results with being applied to clinical practice. Therefore, it is important to analyze and summarize the advances of the biological effects of PEMF on tissue wound repair. Initially, the applied research results of PEMF are described in the repair of different tissues. Besides, the mechanism of biological effects of PEMF is analyzed. At last, a scientific conception for the research of PEMF on tissue repair is put forward and perspective.

**Key words:** pulsed electromagnetic fields; PEMF; tissue repair

## Clinical research progress of pulsed electromagnetic field in the treatment of osteoporosis

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Department of Osteoporosis, Honghui Hospital, Xi'an Jiaotong University, Xi'an 710054, China  
\* Corresponding author: ZENG Yuhong; Email: zayhhyl6163.com

**Abstract** Pulsed electromagnetic field (PEMF) as a non-invasive, safe and effective physical therapy is first applied in treating patients with delayed healing and non-union of fractures, and is now used as a clinical adjunct in the treatment of osteoporosis. In vitro and animal studies have demonstrated that PEMF stimulates bone formation by osteoblasts and inhibits bone resorption by osteoclasts, ultimately achieving structural integrity of bone and preservation of bone mass and bone strength. A large number of clinical studies have also shown that PEMF has satisfactory therapeutic effect on increasing bone mineral density, relieving pain, and improving life quality of patients with osteoporosis. However, the scientific effects of PEMF on osteoporosis still needs to be further investigated. In this study, the clinical research progress of PEMF in the treatment of osteoporosis in the domestic and overseas studies.

**Key words:** pulsed electromagnetic field; osteoporosis; clinical research

## Progress of Low Frequency Pulsed Electromagnetic Fields against Neurological Disease

WEI Qing-chuan, LI Yi, HE Cheng-qi, YANG Lin  
(Center of Rehabilitation Medicine, West China Hospital, Sichuan University, Chengde Key Laboratory of Sichuan Province, Chengde, 610041)

**Abstract:** Low frequency pulsed electromagnetic fields is a non-invasive and safe physical therapy, and it has been used as a clinical adjunct treatment of bone fracture, osteoarthritis, focal hand tremors, osteoporosis and cutaneous injury. In addition to the effect of promoting fracture healing and the proliferation of osteoblasts, and increasing bone density, recent researches have shown that low frequency pulsed electromagnetic fields have the potential to treat neurological disease and ameliorate nerve injury symptoms. Therefore, this paper reviewed the progress of efficacy and mechanism of low frequency pulsed electromagnetic fields on stroke, Parkinson's disease and multiple sclerosis, so as to provide some new ideas for the treatment of the diseases.

**Key words:** low frequency pulsed electromagnetic fields; neurological disease

## PEMF THERAPY AND

of the US population will be over 60 years of age. My interests are in all areas of vision development and vision therapy, which has led me to believe there is more to see. My other experience is with head trauma patients and nutrition.

PEMF Therapy was through a female head trauma patient working for a government phone handset exploded on her head. This completely took out hearing in one ear and vision in the other. We provided some vision therapy and light therapy and examining notes which gives a snapshot of the volume of information a person can process in a day. Progress was slow going until the case in the first progress visit and her % better. Starting difference after therapy progress had plateaued. When queried why anything differently patient replied she had done 5 PEMF sessions. She also shoulders were feeling noticeably better as well. I had used PEMF devices in the procedures.

## Pulsed electromagnetic fields promote osteogenesis and osseointegration of porous titanium implants in bone defect repair through a Wnt/ $\beta$ -catenin signaling-associated mechanism

Da Jing<sup>1</sup>, Mingming Zhao<sup>1</sup>, Shichao Tong<sup>1</sup>, Fei Xu<sup>1</sup>, Jing Cai<sup>1</sup>, Guanghao Shen<sup>1</sup>, Yan Wu<sup>1</sup>, Xiaokang Li<sup>1</sup>, Kangming Xie<sup>1</sup>, Juan Liu<sup>1</sup>, Qingling Xu<sup>1</sup> & Erping Luo<sup>1\*</sup>

**Abstract:** Treatment of osseous defects remains a formidable clinical challenge. Porous titanium alloys (Ti) have been emerging as ideal endosseous implants due to the excellent biocompatibility and structural properties, whereas inadequate osseointegration poses risks for considerable long-term implant stability. Substantial evidence indicates that pulsed electromagnetic fields (PEMF) as a safe non-invasive method, inhibit osteoporosis/osteopenia experimentally and clinically. We herein investigated the efficacy and potential mechanisms of PEMF on osteogenesis and osseointegration of Ti in vivo and in vitro. We demonstrate that PEMF enhance cellular attachment and proliferation, and induced well-organized cytoskeleton for in vitro osteoblast seeded on Ti. PEMF promoted gene expressions in *Bcl-2*, *CDK1*, *CDK2*, *CDK4*, and *Wnt1* in *Caenorhabditis elegans*. PEMF stimulated *Wnt1* gene expression in *Caenorhabditis elegans*. In vivo, PEMF promoted bone formation and osseointegration of porous titanium implants in bone defect repair through a Wnt/ $\beta$ -catenin signaling-associated mechanism. Our data demonstrate that PEMF promotes osteogenesis and osseointegration of Ti in vivo through several metabolic activities through a Wnt/ $\beta$ -catenin signaling-associated mechanism. PEMF might become a promising biological modality for enhancing the repair efficiency and quality of Ti in bone defects.

Key words: PEMF; titanium; porous titanium; bone defect; osseointegration

## Design and implementation of an extremely low frequency pulsed electromagnetic field system for diabetic complications

PAN Wei<sup>1,2\*</sup>, PAN Wei-dong<sup>1</sup>, XU Jing-jing<sup>1,2</sup>, KONG Xiang-rang<sup>1,2</sup>  
(1. Beijing Key Laboratory of Bioelectromagnetics, Institute of Electrical Engineering, Chinese Academy of Sciences, Beijing 100080, China; 2. University of Chinese Academy of Sciences, Beijing 100049, China)

**Abstract:** As a lifelong metabolic disease, the diabetes has many complications. Studies have shown that pulsed magnetic field can promote the deposition of collagen fibers, improve the orientation and arrangement of collagen fibers, help diabetic wound healing, and take effects in promoting the healing of venous ulcers. To further explore the intensity, pulse width, frequency and duration of the extremely low frequency pulsed electromagnetic field (PEMF) for the treatment of diabetic complications, a new scheme was proposed in this study. Following the scheme, the low frequency pulsed electromagnetic field with the intensity from 0 to 100mT and the frequency from 0 to 100Hz was designed based on the STM32 microcontroller technology. The ANSYS software was the magnetic field distribution of the coil to optimize the structure. As the core component, the ST presents real-time measurements and control of production process. The pulse width was shortened by using devices and optimizing coils and commutating circuits. The temperature rise with coils was reducing the structure of coils. The test experiments showed that the new pattern of PEMF was easy to reliable performance, providing an effectively assisted approach for the treatment of diabetic complications.

**Key words:** PEMF; STM32; diabetes mellitus; pulsated coil

## Microcirculatory effects of pulsed electromagnetic fields

Thomas L. Smith<sup>1</sup>, Donna Wong-Gibbons, Jane Maulsby  
Department of Orthopedic Surgery, Wake Forest University School of Medicine, Medical Center Blvd., Winston-Salem, NC 27157-1001, USA  
Received 27 September 2001; accepted 9 June 2003

**Abstract:** Pulsed electromagnetic fields (PEMF) are used clinically to expedite healing of fracture non-unions. However, the mechanism of action by which PEMF stimulates is unclear. The current study examined the acute effects of PEMF stimulation on peripheral microvascular diameter in the rat cremaster muscle. The study hypothesis was that PEMF would increase arteriolar diameter, a potential mechanism involved in the healing process. Methods: Local PEMF stimulation/dilation of 2 or 60 min duration was delivered to the cremaster muscle of anesthetized rats. Arteriolar diameters were measured before and after stimulation/dilation using intravital microscopy. Some femoral arteries also were monitored during PEMF stimulation. Results: Local PEMF stimulation produced significant ( $p < 0.001$ ) vasodilation, compared to pre-stimulation values, in cremasteric arterioles in anesthetized rats ( $n = 20$ ). This dilation occurred after 2 min of stimulation (9% diameter increase) and after 6 h of stimulation (8% diameter increase). This response "abated" stimulation to 15 h demonstrated no statistically significant change in arteriolar diameter following either "short" stimulation period. PEMF stimulation of the cremaster ( $n = 4$ ) rats did not affect systemic arterial pressure or heart rate, nor was it associated with a change in local environmental temperature. Conclusions: These results support the hypothesis that local application of a specific PEMF waveform can elicit significant arteriolar vasodilation. Systemic hemodynamic and environmental temperature could not account for the observed microvascular responses.

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Keywords: PEMF; Microcirculation; Rat; Vascular mechanisms

## Effects of pulsed electromagnetic fields on acute hindlimb ischemia diabetic rats in microcirculation angiogenesis

Candidate for master: Pan Yun hu  
Supervisor: Guo Wen yi  
Department of Cardiology, Xijing hospital, Fourth Military Medical University, Xi'an 710032, China

**Abstract:** Microcirculation angiogenesis is a key factor in the healing process of acute hindlimb ischemia. The aim of this study was to explore the effects of pulsed electromagnetic fields (PEMF) on microcirculation angiogenesis in acute hindlimb ischemia diabetic rats. Methods: 24 acute hindlimb ischemia diabetic rats were divided into three groups: control group, PEMF group, and PEMF + insulin group. The microcirculation angiogenesis was observed by fluorescence micrograph. Results: The microcirculation angiogenesis was significantly increased in the PEMF group and PEMF + insulin group compared with the control group. The difference between the PEMF group and the control group was statistically significant ( $p < 0.05$ ). The difference between the PEMF + insulin group and the control group was statistically significant ( $p < 0.05$ ). The difference between the PEMF + insulin group and the PEMF group was not statistically significant ( $p > 0.05$ ). Conclusion: PEMF could promote microcirculation angiogenesis in acute hindlimb ischemia diabetic rats. The combination of PEMF and insulin could further promote microcirculation angiogenesis in acute hindlimb ischemia diabetic rats.

## Effects of low-intensity pulsed electromagnetic fields on cardiovascular system of rabbit

Liu Fei-Ping<sup>1</sup>, Jiao Li-Cheng<sup>2</sup>, Shen Guang-Ruo<sup>1</sup>, Wu Xiao-Ming<sup>1</sup>, Li Li-Hua<sup>1</sup>, Xu Qun-Lang<sup>1</sup>, Liu Lu-Wu<sup>1</sup>

**Abstract:** AIM: To study the effects of exposing rabbits to low-intensity pulsed electromagnetic fields (PEMFs) on the cardiovascular system. METHODS: Thirty female white big-eared rabbits were randomly divided into three groups. Normal group was fed with normal diet, the other two groups were fed with hypercaloric diet but the magnetic group was fed in 15 Hz pulsed electromagnetic fields ( $8 \times 10^{-4}$  T and 10 h/d). After eight weeks, the levels of

result in significant morbidity impact to ischemic disease.

Research Center of Intelligent Information Processing, School of Electronic Engineering, Xidian University, Xi'an 710071, China; Department of Military Medical Equipment & Machinery, School of Biomedical Engineering, Department of Chemistry, School of Pharmacy, School of Nursing, Department of Optician, Fourth Military Medical University, Xi'an 710033, China

Research Center of Intelligent Information Processing, School of Electronic Engineering, Xidian University, Xi'an 710071, China; Department of Military Medical Equipment & Machinery, School of Biomedical Engineering, Department of Chemistry, School of Pharmacy, School of Nursing, Department of Optician, Fourth Military Medical University, Xi'an 710033, China

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PEMF promotes repair and regeneration of damaged tissues

PEMF treats osteoporosis

PEMF treats nervous system diseases (cerebral apoplexy and Parkinson, etc.)

PEMF treats eye diseases (Repair eye tissue damage)

PEMF treats osteoarthritis

PEMF repairs bone loss (promotes regeneration and integration of bone cells)

PEMF treats hair loss (promotes follicular cell regeneration)

PEMF treats diabetic complications

PEMF improves microcirculation (enlarges micro and small arteries)

PEMF promotes revascularization

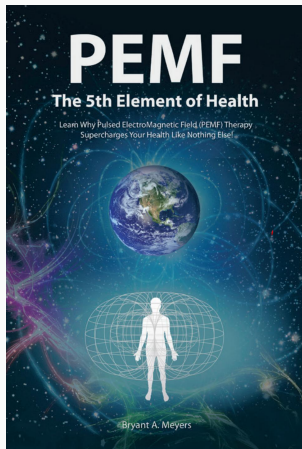
PEMF prevents and treats cardiovascular and cerebrovascular diseases

PEMF promotes cancer cell inactivity and necrosis

# The Effects of PEMF Technology Based on the Earth's Geomagnetic Field on the Human Body



Life is driven by nothing else but electrons.  
— Albert Szent-Gyorgi (Nobel Prize Winner)



增加跨膜電位 (TMP)，促進離子跨膜活動

## Charging Human Cells

增加線粒體中 ATP 的產生

增強線粒體中產生能量所需的基本要素, 如增強鈉鉀泵。

"PEMF therapy cannot directly cure diseases; **its true function is to activate the body's own natural repair process.** The human body has the ability to self-

repair, self-regulate, and self-regenerate. As long as it receives the appropriate energy and elements needed to sustain life, the body possesses the ability to heal naturally.

改善細胞對氧氣的吸收和同化

打開肺泡，從而提高氧氣的吸收和利用率；PEMF有助於氧氣與血紅蛋白的結合。

降低血液粘度，改善血液迴圈和微循環

降低血液的黏連效應，即魯勒效應。

神經和組織再生

促進神經細胞表面的受體蛋白與神經生長因數結合，從而促進再生。

創造健康的電穿孔水準

電穿孔可以理解為細胞開口，改善營養運輸和排泄。

促進骨細胞再生育修復，讓骨骼更強壯

促進產生內啡肽以止痛

改善睡眠  
促進分泌褪黑素和生長激素

提高免疫力

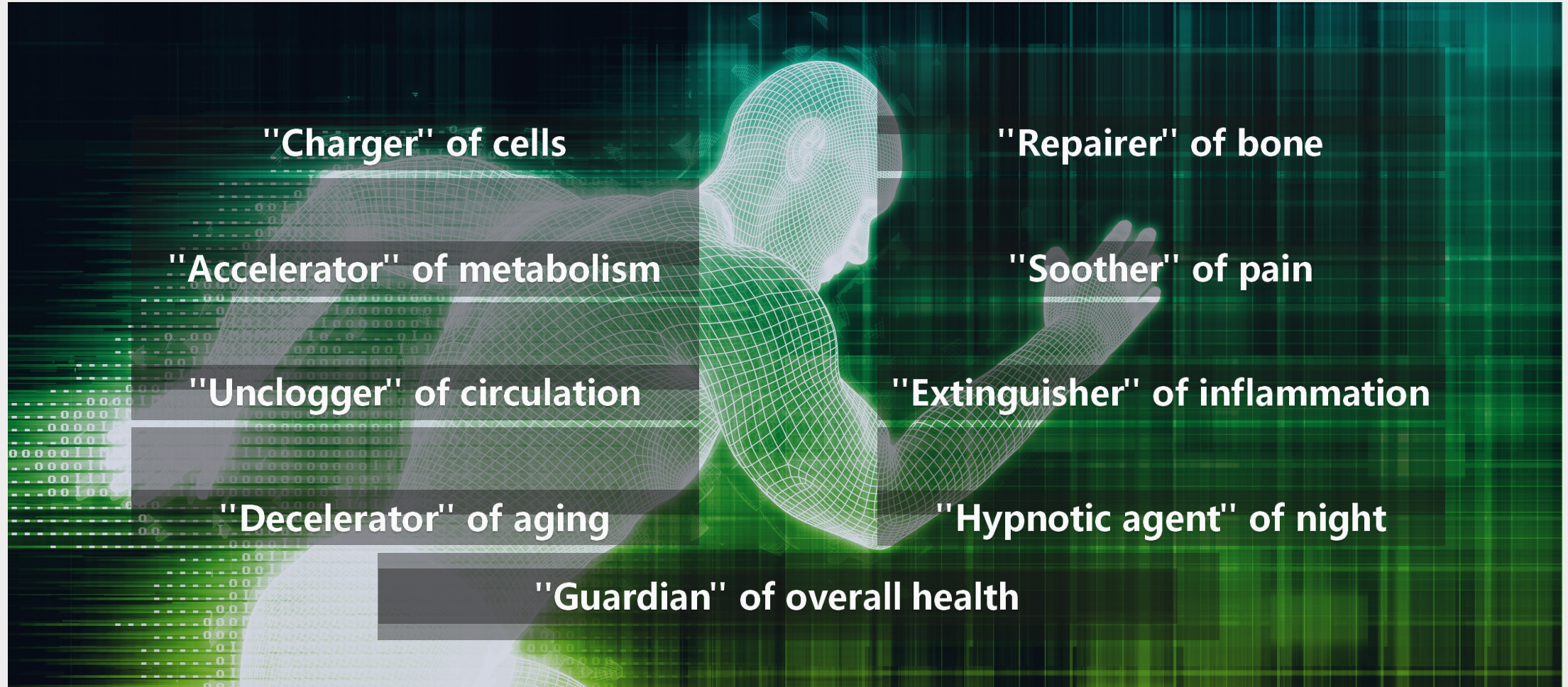
提高PH值，不適合微生物生存 / 淋巴細胞增殖

放鬆與減壓

進入副交感神經模式、降低皮質醇水準

《PEMF -The Fifth Element of Health》 -- Bryant A Meyers

# Effect of PEMF



# P90 THz Smart Physical Instrument

**Dual energy**  
**Double effect**




## PEMF

- Biomimetic principles simulate the Earth's magnetic field
- 1Mhz high-intensity energy
- Enhance the power of cells

## TeraHertz wave

- Resonance with human cells at the same frequency
- Can penetrate human skin by 3-5cm
- Safe and harmless

# P90 Terahertz Light Wave Detection Report



Guangzhou Zhongsen Testing Technology Co., Ltd


№: ZSJC2023042607

TEST REPORT

NAME OF SAMPLE: THz Tera-P90

CLIENT: OLYLIFE INTERNATIONAL SDN. BHD.

CLASSIFICATION OF TEST: Entrusted testing




Guangzhou Zhongsen Testing Technology Co., Ltd




TEST REPORT

№: ZSJC2023042607

Product name	THz Tera-P90	Sample grade	—
Model and specification	P90	Merchant mark	Olylife
Production unit	—	Entrusted unit	OLYLIFE INTERNATIONAL SDN. BHD.
Address	—	Address	—
Number of samples	1	Sampling personnel	—
Sample identification	—	Sampling location	—
Sampling mode	Express mail	Sampling method	—
Detection category	EMS	Sampling date	—
Sample receiving date	2023.04.26	Completion date	2023.05.02
Test basis	GB/T 7287-2008	Test items	Radiation wavelength range (radiation spectrum curve) Terahertz radiation wavelength

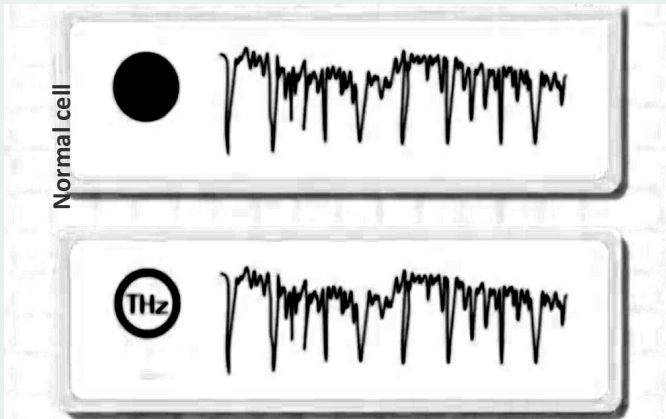
Test conclusion: (Blank below)

Seal of testing unit:   
Date of issue: 2023.05.02

Editor:  Main inspection:  To examine: 

Terahertz light waves are electromagnetic waves with a frequency of 0.1–10 THz, corresponding to wavelengths of 30 μm to 3000 μm, which prevents damage to cellular DNA, earning them the designation as “cell-friendly electromagnetic waves.” At the cellular level, their mechanism of action is precise and gentle. The vibration frequency of terahertz waves matches the natural frequency of molecules within human cells—such as proteins and water molecules—enabling them to stimulate cellular activity, promote mitochondrial metabolism, enhance cellular energy output, and improve the state of fatigued cells.

# Terahertz wave - one of top ten technologies that will change the future world



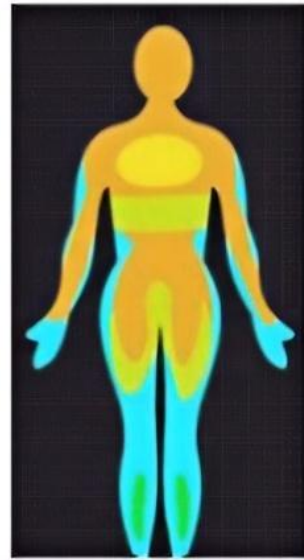
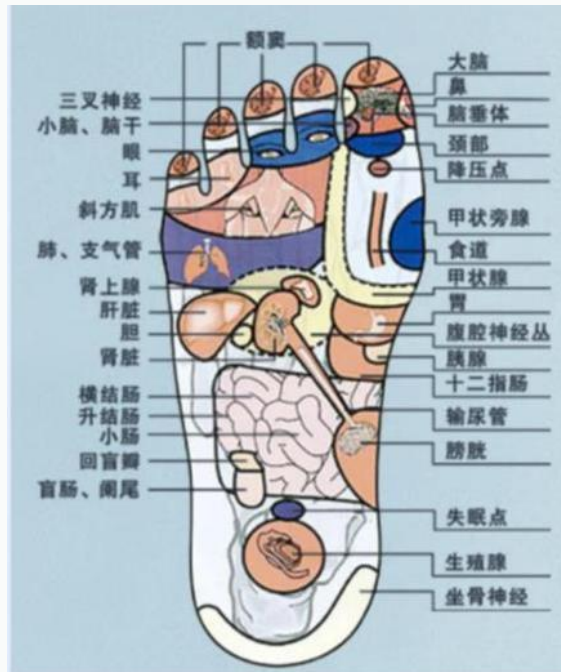
**1. Penetrability**  
Can penetrate 3-5cm into the skin.

**2. Resonance** Resonate with macromolecules in human cells at the same frequency and output energy.

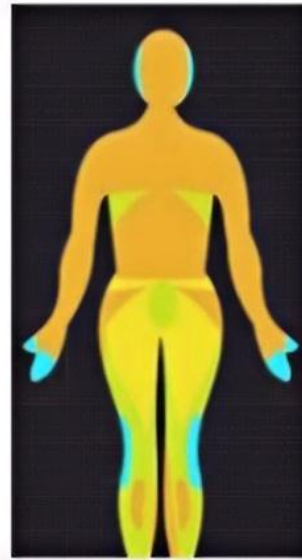
**3. Safety**  
The radiation from the THz wave is only 1/40 of that of the sun.

Terahertz light waves are electromagnetic waves with frequencies ranging from 0.1 to 10 THz, corresponding to wavelengths of 30 $\mu$ m to 3000 $\mu$ m. At the cellular level, their mechanism of action is precise and gentle, capable of stimulating cell activity, promoting mitochondrial metabolism, enhancing cellular energy production, and improving the state of fatigued cells.

# Starting from the Feet, Local to Systemic Effects



Before using



Using



After using



The foot possesses abundant capillaries and nerve endings.

When the human body is exposed to PEMF, it affects the electrical potential of the cell membrane, thereby modulating the ion channels of cells and influencing cellular metabolism and physiological functions. Specifically, ions within cells, such as sodium and potassium ions, undergo movement and redistribution under the influence of the electromagnetic field. This ion movement and redistribution alter the cell's electrical potential and physiological processes.

# The Six Core Effects of P90

PEMF → Enhances cellular electrical energy

Terahertz Waves → Energy Transmission

Induces body heat from within

Cell Activation

1

Microcirculation Improvement

2

Vascular Unblocking

3

Elimination of Body Waste and Toxins

4

Fat Burning and Body Shaping

5

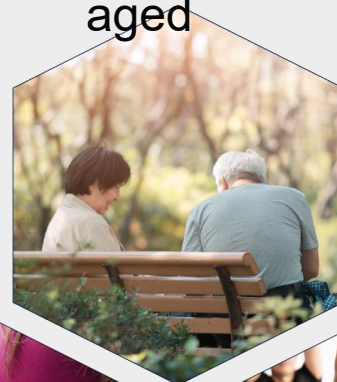
Relief of Inflammation, Pain, and Fatigue

6



# Target user

Daily health care Relieve fatigue Improve sleep Improve health of the aged Enhance immunity



Improve sub-health

Warm up cold hands and feet

Control weight

Strengthen muscles

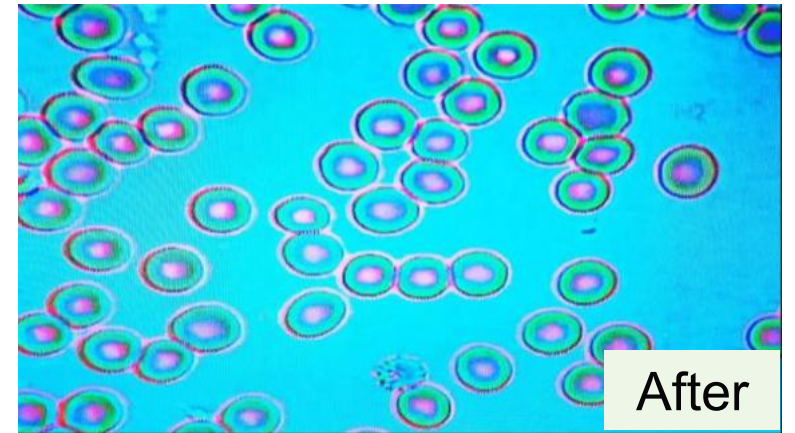
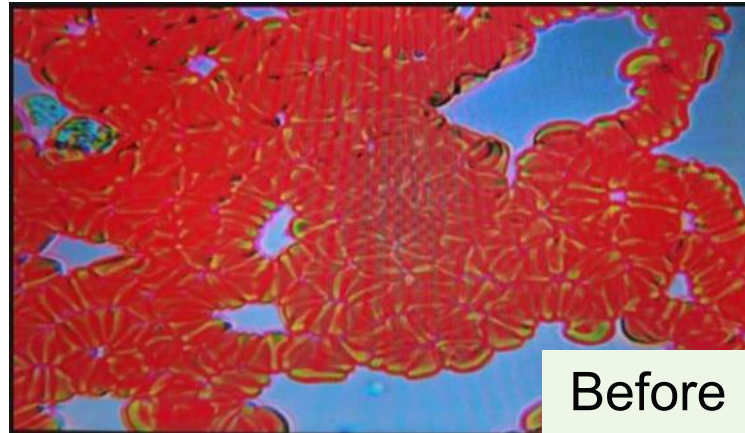
Ease joint pain and inflammation

## Improvement in blood circulation

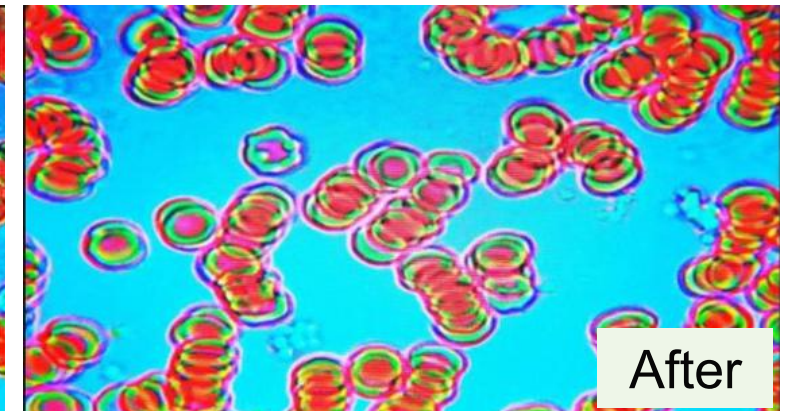
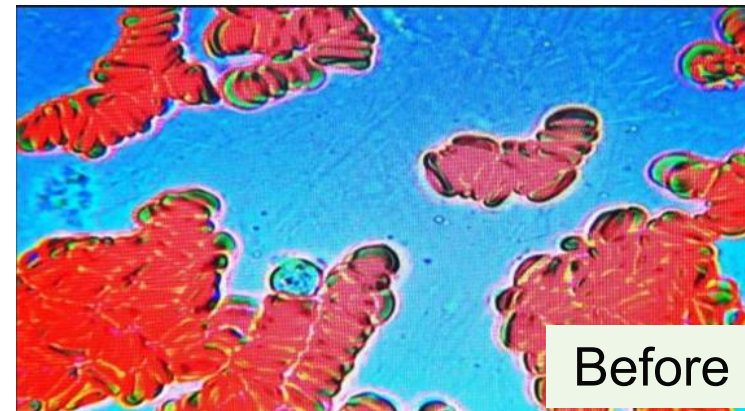
Only one session, with a 30-minute interval before and after use.

Red blood cells constitute the largest percentage of cells in the human body (approximately 84%), **with a staggering number of about 25 trillion**. They are small in size and are distributed throughout the body.

### 27-year-old man

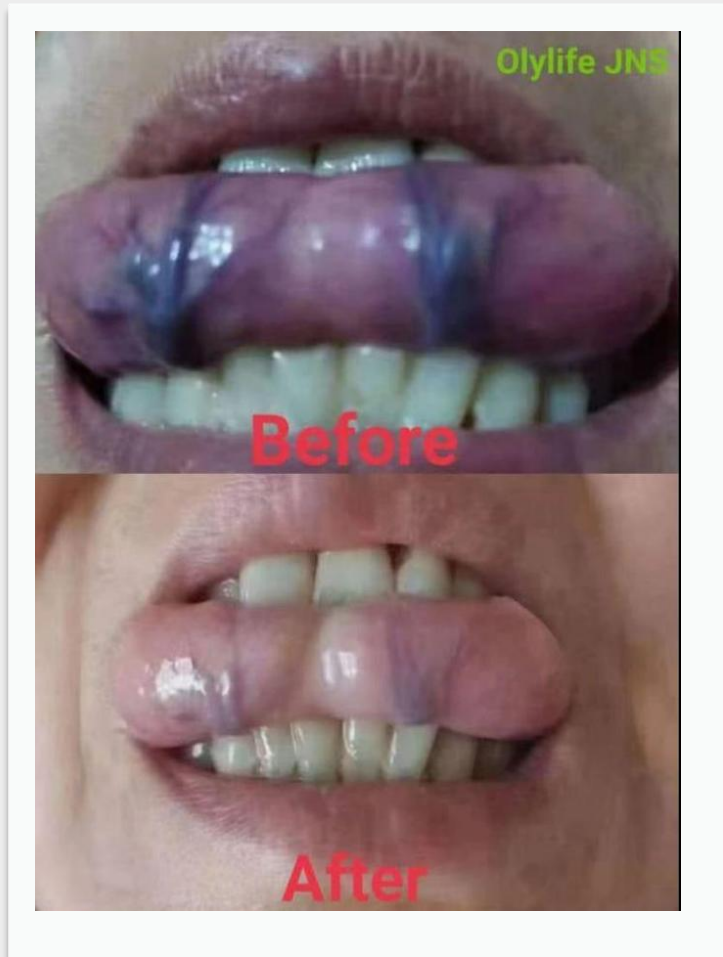


### 45-year-old woman





**Improvement in varicose veins: effect after using P90**



**Improvement in sublingual vein congestion**



**Blood supply function (microcirculation) improvement**



Before

The bruising and swelling completely went away after using P90 just 4 times.



After



28/8/2023

The swelling has gone down.



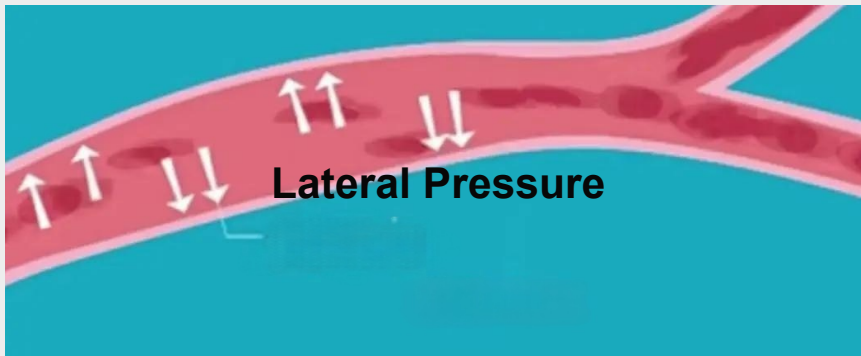
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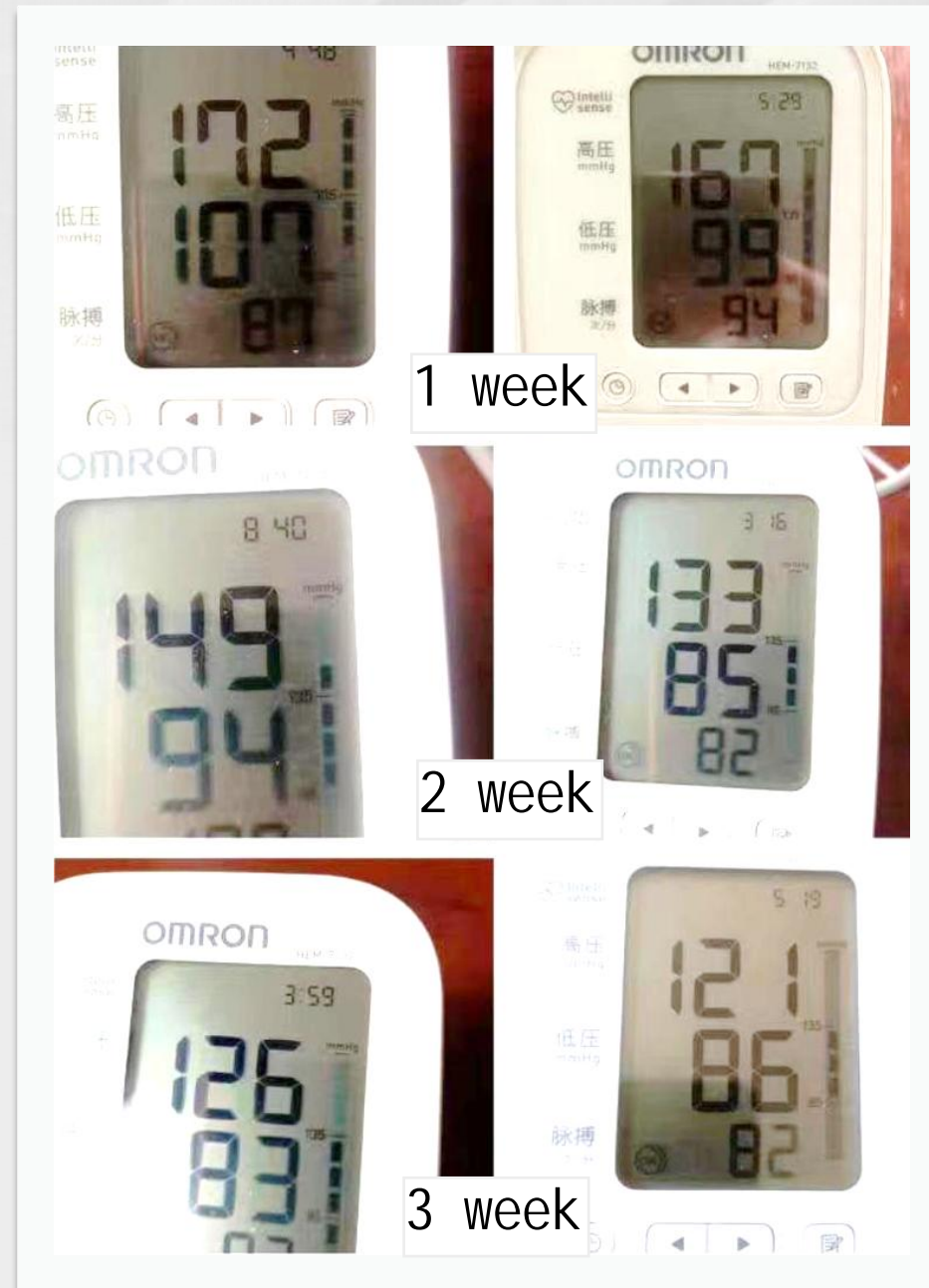
\*Edema is caused by poor blood circulation or problems with the metabolism of some organs.

## Improvement in leg and foot edema

# Blood pressure improvement



➤ Not recommended for use when (blood pressure)  $\geq 160$  mmHg.



## Blood glucose improvement



\*PEMF can activate islet cells and increase insulin secretion.

## The effect of hair growth

use P90 for three months



2023/11



2024/1



2024/2





**As long as you persist in using it,  
you will be pleasantly surprised!**

# Usage Precautions

1. Place the device on flat ground, connect the power, turn on the switch, then sit down and place your barefoot on the energy board to start working.

2. Start with low intensity first, then adjust the energy intensity according to your own tolerance.

3. Use for 20-30 minutes each time, no more than twice a day, and at least 4 hours apart each time.

4. Do not twist the body and click on the energy board by hand, but keep both feet still; otherwise, there will be a risk of burns.



# Usage Scenario



Use on the sofa to relieve fatigue from a long day



Use at low intensity before bedtime to help enhance sleep quality



Use while working to improve work efficiency



Offer customers a trial to strengthen customer loyalty

# P90 THz Smart Physical Instrument

Cover more than **150 countries** and regions

**1000,000+** units have been sold

Over **100 million** users

