

C.M.F. SYSTEM

**An innovative therapeutic
instrument for fast and
effective treatment**



C.M.F. SYSTEM

Based on expansive and accredited scientific literature and demonstrated in numerous studies

Many scientific studies have demonstrated how complex multi frequency magneto-electric fields of low to very low frequency and intensity (**C**omplex **M**agnetic **F**ields) can activate a series of chemico-physical signals and activate a set of functions known on the whole as **R**eparative **M**orphogenesis (**RM**).

The repairing system comprises three fundamental events: molecular repair, cellular repair and tissue repair.

Molecular repair

Just like in the structure of a house the first thing to do is to repair or substitute the damaged "bricks", therefore, the first step is to activate the repairing mechanism of the bricks that form our organs that are the proteins.

Some proteins are capable of repairing other proteins and are called **H**eat **S**hock **P**roteins (**HSP**); there is proof that magneto-electric radiations stimulate gene expression of **HSP**.

Cellular repair

Because **C.M.F.** work directly on protein membrane repair, they are capable of restoring cellular homeostasis quicker than ordinary physiological activity recreating normal transmembrane potentials.

Tissue repair

Tissue repair is the result of molecular repair and cellular repair as well as repair of the mechanisms linked to the exchange of information among the cells themselves. **N**eo-**M**orphogenesis **R**epair contains information of all the constituents (bricks) to be repaired and of the repairing pathways; trials show how **C.M.F.** accelerate enzyme kinetics in **RM**.

Analgesic, anti-inflammatory and anti-edema action

Analgesic action is due to the modulation of the neurotransmitters of pain giving a morphine-like effect.

The anti-edema effect is linked primarily to the regulation of cell and extracellular water channels.

The anti-inflammatory effect is linked mainly to the modulation of pro inflammatory cytokines, the increase of anti-inflammatory ones and the reactivation of the Ca-ATPase membrane activity.

Bacteriostatic activity

The anti-microbial action of complex multi-frequency magneto-electric fields of low to very low frequency and intensity (**C**omplex **M**agnetic **F**ields) is, on the contrary, activated inhibiting the duplication process.

C.M.F. GENERATOR TECHNICAL SPECIFICATION

Power supply: from general mains

Voltage: 120/240 V ~ 50-60 Hz

Wattage: 50 VA max volts amps

Fuse: T315 mA x 2 250V, 5x20 for 240V ~

Fuse: T500 mA x 2 250V, 5x20 for 120V ~

Power cable: separable 0,75 mm², 2,00 m

Dimensions: 38x40x20 cm

Weight: 4,7 kg



C.M.F. SYSTEM

A unique and innovative technology
for Pain Therapy and Physical Regenerative Medicine

For **Physical Regenerative Medicine**
C.M.F. System is programmed
to promote:

- Molecular repair
- Cellular repair
- Tissue repair

For Pain Therapy

C.M.F. System is programmed to promote
4 fundamental functions:

- Anti-edema effect
- Anti-inflammatory effect
- Analgesic effect
- Bacteriostatic effect

**Compact and
easily portable**

Suitable for home treatment
as well

C.M.F.*



Pen applicator*



**Practical and
very easy to use**

The patient can be treated clothed
and even with a cast on

**Can also be used
with metal prosthesis**

**Totally athermic
waves**



Magnetic mat with flat coils*

Intensive applicator*



No side effects



Waves detector

C.M.F. SYSTEM

An advanced technological achievement
for maximum efficiency

The **C.M.F.** instrument is an electronic device realized especially for the application of complex magneto-electric fields (**Complex Magnetic Fields**) on biological tissues.

The application of multi-frequency magnetic fields, which are variable in intensity, frequency and wave form, is administered using a **pen applicator**, an **intensive applicator** or by the use of a series of **transducers set within a mat** on which the patient can lie on if necessary. The transducers of the mat are made up of flat coils. The emission of the point source magnetic field is located at the tip of the applicator pen.

The **C.M.F.** generator is provided with different programming possibilities which work in relation to the configuration of the specific sector of application. Each program is made up of a number of codes that vary from 1 to 9 according to the particular treatment to perform.

The different programming possibilities provide for specific functions which are characterized by:

- generation of a magnetic field of very low intensity, variation from 0.1 to 1 Gauss, that is, similar to the dimension of the earth's magnetic field;
- frequency range from 1 to 80 Hz;
- adjustable time intervals;
- different forms of complex multi-frequency waves.

The generation of the different wave forms, the control of the programmed parameters and the management of the functions are realized employing a sophisticated technology of microprocessors.

C.M.F. SYSTEM

Wide range of devices
for the treatment of various dysfunctions

C.M.F. P.T.

Especially developed for Pain Therapy and adapted to treat pain on the different levels whether biological, biochemical or mental, even in extreme situations. It can also be used in combination with pharmacological therapy enhancing the results.

Programmability:

- Neuropathic pain®
- Musculoskeletal pain®
- Muscular pain®
- Pain of psychosomatic origin®
- Localized edema®
- Unconsolidated fractures®
- Bone regeneration®
- Fibromyositis®
- Chronic arthritis®
- Anti-inflammatory effect®

**Pain reduction from 50-70%
after only 2 - 3 applications**

C.M.F. AESTH

Specific programs for Aesthetic medicine:

- Metabolic action®
- Cellulitis®
- Connective tissue densification®
- General drainage effect®
- Anti-aging®
- Anti-inflammatory effect®
- Oxidative stress relief®
- Localized drainage®
- Antimicrobial action®
- Tissue regeneration®

C.M.F. ORTHO*

A most suitable therapeutic resource for practically all the pathologies linked to orthopedics.

Programmability:

- Muscular regeneration®
- Bone regeneration®
- Nerve regeneration®
- Cartilage regeneration®
- Collagen regeneration®
- Post surgery and general pain®
- Musculoskeletal pain®
- Edema®
- Antibacterial 1®
- Antibacterial 2®

* Distributed by Biotechnology Srl with exclusive rights within the orthopedic sector.

Contraindications: pregnancy, epilepsy, pace-maker, neurostimulators, serious cardiac conduction disorders.

NEW

C.M.F. SPORT SYS
soon available

C.M.F. OS&BR

Orthodontic system and for bone regeneration, offers a wide range of programs:

- Neurological®
- Edemas®
- Tissue regeneration®
- Bone regeneration®
- Antibacterial 1®
- Antibacterial 2®
- Musculoskeletal®
- Anti-inflammatory®
- ATM®
- Contractures®

**Time reduction in regeneration
of at least 70%**

C.M.F. WHI

(Wound Healing Inductor)

Specific programs for regeneration:

- Tissue regeneration®
- Bone regeneration®
- Muscular regeneration®
- Nerve regeneration SNC®
- Nerve regeneration SNP®
- Cartilage regeneration®
- Tendon regeneration®
- Skin regeneration®
- Serious wounds®
- Osteonecrosis and BRONJ®

C.M.F. Clinical dermatology

Specific programs for dermatology:

- Psoriasis
- Atopic dermatitis
- Allergic dermatitis
- General drainage
- Trophic ulcers
- Eczema
- Acne

C.M.F. Slim

Entry Level device as a first approach to C.M.F. technology with a really high cost-benefit ratio. Provided with 3 programs.

Standard accessory: intensive applicator and pen applicator.

* Standard accessory

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MP & BN Medical Physics & Biotechnological Network

M.F.I. Medicina Fisica Integrata S.r.l.

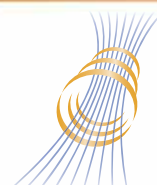
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