

C.M.F. SPORT SYS

Changing the landscape of sports medicine



C.M.F. SPORT SYS

Innovative technology specifically designed to support athletes both in their daily workout and after a traumatic injury.

IN EVERYDAY WORKOUT

CMF Sport Sys is extremely helpful to contrast the damages caused by free radicals, which increase dramatically after every athletic practice and are responsible for oxidative stress. Therefore CMF Sport Sys can restore the homeostasis of cellular membranes.

AFTER A TRAUMATIC INJURY

In regenerative therapy CMF Sport Sys can reduce the down time by 60%.

Anti-Inflammatory effect

The anti-inflammatory effect is mainly due to the modulation of proinflammatory cytokines (IL-1 β and TNF- α) through the increase of anti-inflammatory cytokines (IL10) and the restoration of the Ca-ATPase membrane activity.

Anti-oedema effect

The anti-oedema effect is essentially linked to the action on transmembrane alpha helix proteins fields and particularly on aquaporins due to the phenomenon of electroconformational coupling.

Followed by increasing of local circulation and action of modification of the redox state of the EC matrix for displacement of the electrostatic charges near the membrane with the effect as the diamagnetic pump.

Analgesic effect

The effects on pain are due to two main factors: modulation of neurotransmitters and the effect on the NMDA receptors, thanks to the rotational force applied by magnetic fields on the Ca $^{++}$ ion which is expelled from the receptor. The result is a morphine-like effect.

Injured tissues repair

The repairing system comprises three fundamental events:

- 1) Molecular repair (increasing in the hsp gene expression)
- 2) Cellular repair (membrane repolarization, restoring the cell sensing and signaling)
- 3) Tissue repair (increasing cell-cell signaling).

SPORTS COMPETITIONS

Effects on jet lag

The experience of using complex multi-frequency magnetic fields (CMF) on business men, subject to frequent travels, gave us important information: as a result of the increasing level of serotonin, there are improvements of the psychophysical condition, faster recovery of the sleep-wake rhythm and mood as well as significant decrease of joint disorders data after long flights.

Effect on oxidative stress

Modulation of voltage-gated channels function.
Action on proton pumps because of the electroconformational coupling effect.

C.M.F. Sport Sys supports manual and pharmacological therapies.

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The latest development in advanced sports medicine: regenerative medicine driven by physical extremely low-energy in rehabilitation and pain therapy.

C.M.F. Sport Sys device programs:

- Neuropathic pain
- Muscle pain
- Joint pain
- Neuro-myo-fascial pain
- Anti-oedema
- Anti-inflammatory
- Antibacterial
- Driven Tendous morphogenesis
- Driven Tissue morphogenesis
- Driven Osteo-morphogenesis
- Driven Myo-morphogenesis
- Driven Chondro-morphogenesis
- Driven Neurogenesis
- Oxidative Stress
- Jet lag

Totally athermic waves

Can also be used with metal prosthesis

Compact and easily portable

Suitable for home treatment as well



Pen applicator*

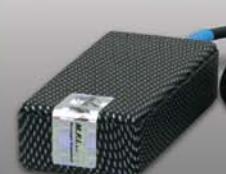
No side effects

Practical and very easy to use

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



Magnetic mat with flat coils*



Intensive applicator*

* Standard accessories

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Back on track again

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 x2 250V, 5x20 for 240V ~

Fuse: T500 mA x2 250V, 5x20 for 120V ~

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

Dimensions: 38x40x20 cm

Weight: 4,7 kg



Manufacturer

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