

CareTherapy[®]

your deep energy





CareTherapy®

The CareTherapy® (Capacitive-Resistive Energy Transfer) is a revolutionary methodology in the field of physical rehabilitation that comes from the **synergy between technology and clinical expertise**.

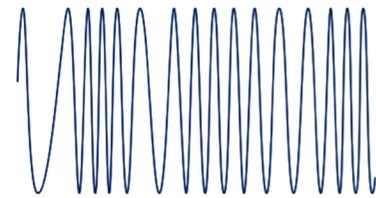
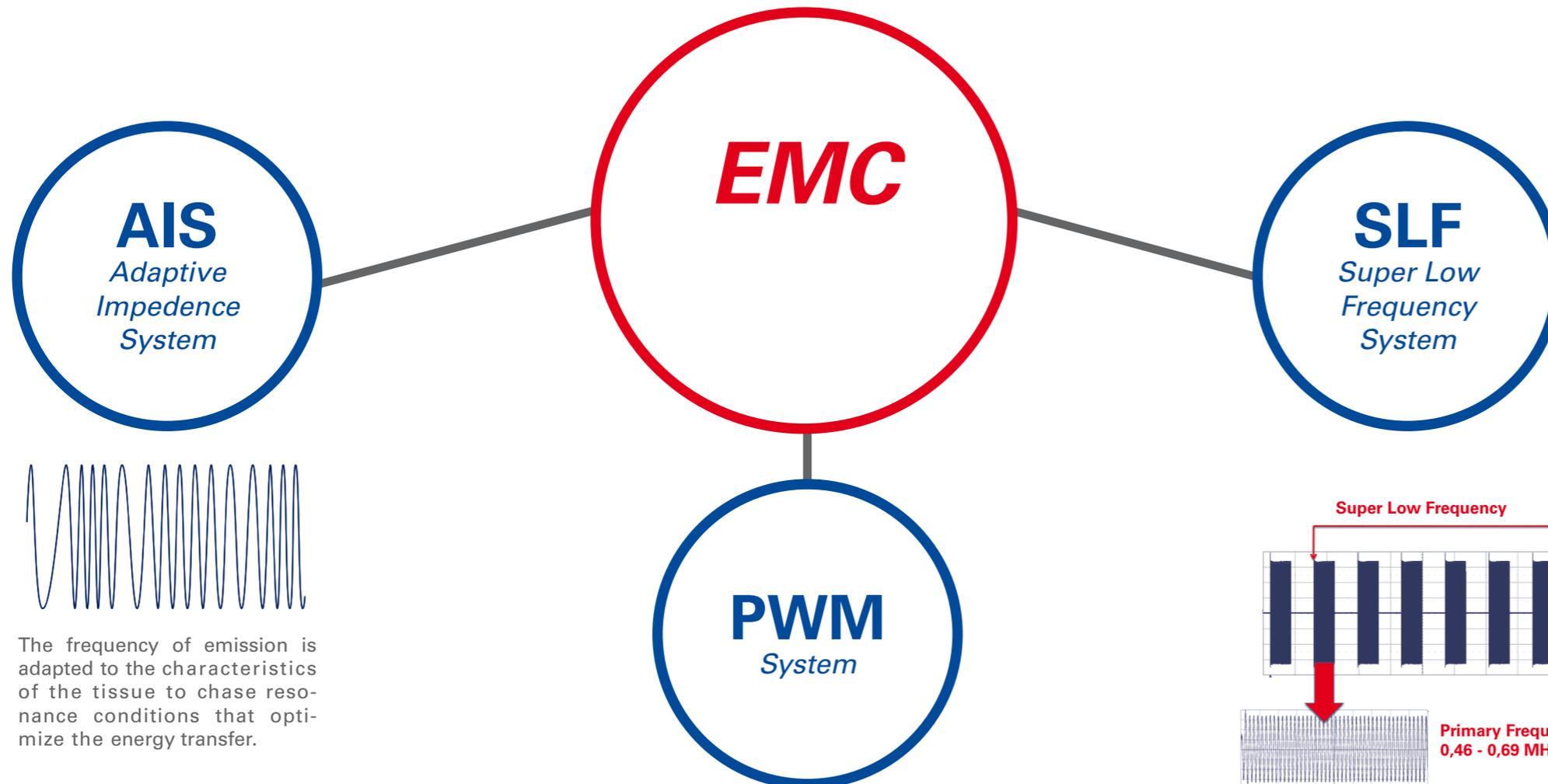
Years of studies on capacitive-resistive energy transfer are here combined with the experience gained by leading team of professionals, to provide effective rehabilitation protocols and innovative application techniques.

The powerful depth bio-stimulation created by CareTherapy® produces significant analgesic effects, anti-inflammatory and tissue repair, thus greatly speed up patients' recovery time.

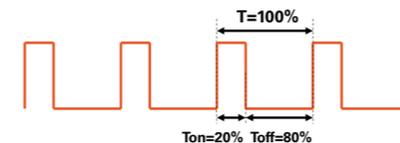
CareTherapy® offers the professional therapist a highly effective and safe technology that facilitate **the interaction man/machine** for maximum therapeutic results.



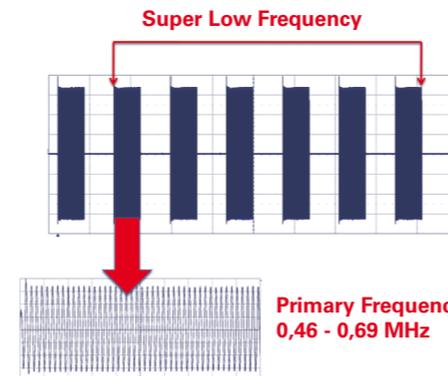
Energy Modulation Control System



The frequency of emission is adapted to the characteristics of the tissue to chase resonance conditions that optimize the energy transfer.



PWM System enables to generate a high voltage signal but intermittently (Duty Cycle), allowing to accurately control the output power and so maximizing the interaction with human tissue.

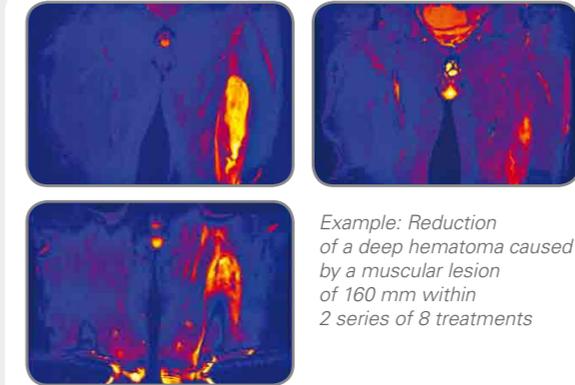


Super Low Frequency System, in combination with the other two systems, modulates the primary frequency in "packets" at low frequency. Thanks to the effects of PEMF (Pulsed Electro Magnetic Field) it activates cellular respiration mechanism, proliferation and differentiation of fibroblasts. (Nikolaev, 1984) stimulating tissue repair effects.

Technological Evolution

Advantages

The innovative technical characteristics of CareTherapy® enable to transfer high levels of energy without causing significant temperature increases, allowing to obtain excellent results even in the presence of acute inflammatory components.



Example: Reduction of a deep hematoma caused by a muscular lesion of 160 mm within 2 series of 8 treatments

The effect of **re-polarization of the cells** in damaged tissue, the increasing of arterial flow and venous -the lymphatic drainage, the action on the extra cellular matrix, the provision of oxygen and nutrients that supplies of energy (ATP) to the hypoxic / ischemic tissue: all creates the condition for tissue repair effects, as well as significant effects in pain management and for anti-inflammatory treatments (cytokines, heat shock proteins, etc...).

The specific power modulation helps to activate **processes of osteogenesis**, of increasing of bone mass density, it induces significant reduction of bone pain demonstrating particular therapeutic efficacy in treatment of bone fractures.



Result after 11 treatments (resistive modality)



Dissipation effect induced by the unique generator of the CareTherapy® makes it particularly recommended for treatments with presence of metal screws, pins, rods, **plates and prosthesis**.

Indication

- ▶ Neck pain
- ▶ Periarthritis of shoulder
- ▶ Epicondylitis/epitrochleitis
- ▶ Carpal tunnel syndrome
- ▶ Rizarthrosis
- ▶ Lumbago
- ▶ Coxarthrosis
- ▶ Gonarthrosis
- ▶ Calcaneal spur
- ▶ Edema and haematoma
- ▶ Treatment of surgery injuries
- ▶ Rehabilitation after cast removal
- ▶ Postoperative rehabilitation
- ▶ Sprains and joint traumas
- ▶ Tendonitis
- ▶ Capsulitis
- ▶ Pubalgia
- ▶ Fibromyalgia



Advanced Functional Rehabilitation



I° Acute Phase



II° Post-Acute phase



III° Advanced stage





Dynamic and Static Electrodes



CT200



Power input	600 W
Capacitive Power Output	200 W RMS step 1%
Resistive Power Output	250 W RMS step 1%
Frequency Output	460 KHz / 690 KHz
Super Low Frequency	One Level
Display Touch-Screen	7" res. 800x480 color
Therapy Protocols	Only viewable
PC Controller	N.A.
Device Weight	8.5 kg
Device Dimension	H=130, W= 430, D=400 (mm)
Standard accessories	Trolley, complete static electrode kit

CT250



Power input	600 W
Capacitive Power Output	250 W RMS step 1%
Resistive Power Output	300 W RMS step 1%
Frequency Output	460 KHz / 690 KHz
Super Low Frequency	Adjustable in three levels
Display Touch-Screen	7" res. 800x480 color
Therapy Protocols	Automatically guided
PC Controller	Optional
Device Weight	9 kg
Device Dimension	H=130, W= 430, D=400 (mm)
Standard accessories	Trolley, complete static electrode kit

CT300



Power input	600 W
Capacitive Power Output	300 W RMS step 1%
Resistive Power Output	350 W RMS step 1%
Frequency Output	460 KHz / 690 KHz
Super Low Frequency	Adjustable in three levels
Display Touch-Screen	7" res. 800x480 color
Therapy Protocols	Automatically guided
PC Controller	16" All in One
Device Weight	9 kg
Device Dimension	H=130, W= 430, D=400 (mm)
Standard accessories	Trolley, complete static electrode kit



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