COMBIMED

Combimed

Combimed

Electrotherapy – Combimed 4000 – C01326

Electrotherapy exploits biological effects from electrical energy for therapeutic purposes and it is mainly used for:

- Training of the neuromuscular system
- Modulation of pain
- Control or reduction of spasticity
- Transdermal release of medicinal substances
- Improvement or maintenance of joint mobility
- Promotion of wound healing
- Resolution of the edema

Laser LLLT – Combimed 2200 – C01325

Laser therapy is based on photochemical and photobiological effects in cells and tissues. Laser light stimulates the mitochondria of the cell, recharging it with energy and regerating it in the
case of traumatic situations.

- Anti-inflammatory effect
- Effects on the peripheral nervous system (antalgic and regenerative effect)
- Biostimulating effect and tissue regeneration
- Effect on microcirculation and on blood vessels: the laser improves local microcirculation giviing relief from local spasms of the arteriolar and venular vessels
- Enzymatic photoactivation effect

Ultrasound

The application of ultrasound results in a high-frequency cellular and intercellular massage action. Also the tissues irradiated with ultrasound enter into vibration, the result is an expenditure of energy with consequent production of heat. It also occurs the cavitation phenomenon that activates the oxidation and polymerization processes. Ultrasounds are mainly used for pain reduction.
The combined treatment, electrotherapy + ultrasound, adds the analgesic and hyperemic effect of the electrical stimulus to the mechanical and thermal effect of ultrasound.

3 + 1 technologies

Combimed 4000 is a physiotherapy platform equipped with 3 technologies: ultrasound+ electrotherapy + LLLT laser Also compatible with Vacuumed vacuum therapy for an even more complete therapy.

Multitherapy mode

The multitherapy protocols use ultrasound, electrotherapy and laser therapy sequentially. In this way it is possible to take the maximum advantage of each technology and treat different pathologies effectively.

Combined mode

Electrotherapy and ultrasound can be used simultaneously in combined protocols.

Software with anatomical library

The software has been designed to be intuitive and functional. You can select the “free procedure” and set the desired parameters for the therapy or use preset protocols by selecting the anatomical area to be treated. Each protocol has an “Online help” that contain indications for an optimal treatment.

LSE Laser Safety Eyes patent

laser delivery starts only when the lens is brought closer to the skin, ensuring greater safety for the patient and the operator.

Automatic contact sensor

The ultrasound probe is equipped with a special sensor that ensures the correct contact for an optimal treatment.