

CALMARE® THERAPY TREATMENT

Model: MC-5A

Non-invasive method for rapid treatment of high-intensity oncologic, and neuropathic pain, resistant to morphine and other drugs



- ◆ Treats pain through a biophysical rather than biochemical process
- ◆ Connects pain to patient care, improving palliative healthcare
- ◆ FDA 510(k) Medical Device clearance for US sales
- ◆ European CE Mark approval
- ◆ US patent pending

Selected patients:

- ◆ Typically have not responded satisfactorily to any previous treatment protocol performed in accordance with Multidrug Therapy (MDT), or surface electro-stimulation.

The technology is from the research of Professor Giuseppe Marineo, a researcher and bioengineer, and the founder and manager of Delta Research & Development. Delta R&D, formed in 1998, is the Medical Bioengineering Research Centre affiliated with Tor Vergata University of Rome, in Italy.

The Calmare® Therapy Treatment incorporates electromedical equipment for electronic nerve stimulation, and uses the nerve fiber as a passive means to convey a message of normality to the central nervous system (CNS) by a procedure defined as scrambling or tricking of information, which then enables the CNS to modify the reflex adaptive responses. Doctors at a major US military medical center refer to it as TEMPR – Transcutaneous Electrical Modulation Pain Reprocessor.

The non-invasive MC-5A, using TEMPR technology, is a multiprocessor apparatus able to simultaneously treat multiple pain areas in the individual. The patient experiences longer “no pain” periods after each successive treatment.

Various clinical indications that have been treated with the MC-5A:

- ◆ Neuropathic, oncologic and visceral pain
- ◆ Severe pain that is non-responsive to pharmaceutical treatment, implanted devices

Typical Treatment protocols:

- ◆ Mixed or neuropathic pain –
10-12 consecutive treatments of 30 or 45 minutes; once a day, five days a week
- ◆ Oncologic pain –
Initial program of 10-12 consecutive 45 minute treatments, once a day, and every time pain reappears; analgesia on patient request

Electrode Application

Application is by means of single-use surface electrodes applied to the skin area corresponding to the pain area(s) involved. Using TEMPR technology, the patient does not become desensitized to treatments over extended cycles.

Improving Quality of Life Through Innovative Pain Management

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