



SCRAMBLER  
TECHNOLOGY

# TREATMENT FOR DRUG-RESISTANT CHRONIC NEUROPATHIC & CANCER PAIN

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A Technologically Advanced  
Solution For Chronic Pain Management

# A Bold Effective Solution to Intractable Chronic Pain

A proven, unique, non-invasive method for rapid treatment of chronic intractable pain

**Using a non-invasive, non-pharmaceutical Philosophy, this pain management approach treats neuropathic conditions caused by a variety of medical conditions including:**

- Chemotherapy-Induced Peripheral Neuropathy (CIPN)
- Intractable Cancer Pain
- Failed Back Surgery Syndrome
- Sciatic and Lumbar Pain
- Post-Herpetic Neuralgia (PHN)
- Post-Surgical Pain Brachial Plexus
- Pain Low Back Pain (LBP) Chronic
- Neuropathic Pain
- Shingles (PHN)
- Complex Regional Pain Syndrome
- Reflex Sympathetic dystrophy (RSD)
- Fibromyalgia

## **Scrambler Therapy® Technology Pain Therapy Treatment Protocol**

The patient visits the practice for 10 to 12 consecutive treatments.

One treatment per day over a period of two weeks.

Treatment sessions may last from 30 to 45 minutes.

Booster cycles are given when needed.

## **Who is it for?**

Scrambler Therapy is a new electroanalgesia methodology specifically studied for neuropathic and oncologic pain, and in general for pain non-responsive to other types of drugs and forms of electroanalgesia.

## **Scrambler Therapy® Technology is Non-invasive**

Five independent channels are available to transmit the artificial "no pain" messages via surface electrodes placed on the skin in the dermatome region of the patient's pain.

## **How Scrambler Therapy® Technology Works?**

There are various protocols according to different types of pain treated. In chronic benign pain caused by cures, such as for example CIPN, a treatment cycle is enough for a long period of wellbeing. In oncologic pain due to the presence of metastasis, after the initial treatment cycle further treatments should be carried out whenever pain re-emerges.

## **What are the success possibilities?**

In general, if a specifically trained operator carries out the treatment, chances of success are very high. In the worst case around 60%, however they can be higher than 90%. The physician can make a more detailed forecast after a consultation.

## **Which are the effects of combinations with other analgesic therapies?**

Scrambler Therapy is a stand-alone medical electroanalgesia device, and does not require combinations with other analgesic therapies.

The usage of anticonvulsants for analgesic purposes generally calls for a higher number of treatments, needed for the weaning. It is also possible to continue the anticonvulsants analgesic therapy, however in this case results are not as good and relapse is quicker. From study-phase data the combination with Ketamine is incompatible since it seems to block the analgesic efficacy of the treatment. The normal analgesic effect of the treatment after the patient stops taking Ketamine is still unknown.

## Safe, effective, non-invasive relief without drugs or negative side-effects

During the first treatment, after the electrodes correct positioning and fine-tuned stimulation levels, you will immediately be pain-free and have no discomfort. In the subsequent treatments you will realize that pain will re-emerge with less intensity, and the duration of pain relief is prolonged. Scrambler Therapy® Technology Pain Therapy Treatment is particularly indicated for patients non responsive to other electroanalgesic or pharmaceutical (including opioids) treatments. As by knowledge of today Scrambler Therapy® Technology, when the conditions are of correct use, is without side effects

### **Pain reduction with Scrambler Therapy® Technology is more effective to that of other interventional therapies in RCT vs. medical management**



**Intraspinal bupivacaine plus opioid, VAS pain 7.57 to 3.67 (Pain relief 52%).** Smith T. et al, J Clin Onc 2002

**Spinal cord stimulators in neuropathic pain. VAS pain 7.6 to 3.8 (Pain relief 50%).**

Kumar K. et al, Pain. 2007;132:179-88

**MC5-A Scrambler Therapy® Technology, CIPN, (Pain relief 59%).** Smith T. et al, JPSM 2010

**MC5-A Scrambler Therapy® Technology chronic neuropathic pain in RCT. VAS pain 9 to 0.7 (Pain relief 91%).**

Marineo G. et al, J Pain Symptom Manage. 2012, Jan;43(1):87-95.



**Chronic pain treatment and Scrambler Therapy: a multicenter retrospective analysis. VAS pain 7.41 to 1.60 (Pain relief 79%)**

Compagnone C., Tagliaferri F. et al. Acta Biomed. 2015 Sep 14;86(2):149-156.

**Pilot evaluation of scrambler therapy for pain induced by bone and visceral metastases and refractory to standard therapies. VAS pain 8.4 to 2.9 (Pain relief 89 %).**

Notaro P, Dell'Agnola CA et al. Support Care Cancer. 2015 Sep 26. [Epub ahead of print] PubMed PMID: 26408323.

**Because of the manner in which the Scrambler Therapy® Technology Pain Therapy Treatment operates, the following considerations may exclude some patients:**

- pacemaker or implantable defibrillator
- vena cava, aneurysm clips, coronary or other vascular stents
- pregnancy
- history of epilepsy, brain damage, symptomatic brain metastases
- prior celiac plexus block, or other neurolytic pain control treatment within 4 weeks
- wounds or skin irritation in areas where the electrodes are required to be placed
- cardiac Ischemia within the previous 6 months, or severe arrhythmia
- implanted device such as SCS



Scrambler Therapy® Technology MC-5A is a U.S. FDA 510(k)-cleared (# K142666 for Delta International Services & Logistics) and European CE mark-certified (#CE 0470) pain therapy medical device for the non-invasive treatment of chronic neuropathic and oncologic pain. Treatment using the Scrambler Therapy device avoids harmful, potentially fatal, adverse side effects. The Scrambler Therapy device has been used to successfully treat thousands patients worldwide, where it has been shown to be effective in treating neuropathic and oncologic pain. Scrambler Therapy is a stand-alone medical electroanalgesia device, and does not require combinations with other analgesic therapies.

**More scientific and clinical info about Scrambler Therapy:**

[www.scramblertherapy.org](http://www.scramblertherapy.org)



DIS&L through its law firm is the only company authorized to sign international exclusive agreements in all international area, provide maintenance and distributor support for method usage training and other logistics needs.

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