



NeuroMed

...providing advancements in pain management

Eliminating PAIN- Worldwide, Pain is one of the most common reasons why people consult a physician today, yet frequently it is inadequately treated, leading to enormous social cost in the form of lost productivity, needless suffering, and excessive healthcare expenditures.

More than 40 million people are affected with musculoskeletal pain, resulting in more than 300 million physician visits and costing hundreds of millions of dollars each year.

For example, low back pain is a major medical problem. Worldwide, from 60 to 80% of people will have it during their lifetime and 2% to 5% will have it at any given time. In the United States, low back pain is one of the most common problems for which people visit a doctor and is the most common cause of disability under the age 45.

In the last several years, health policymakers, health professionals, regulators, and the public have become increasingly interested in the provision of better pain therapies. This is evidenced in part by the U.S. Department of Health and Human Services' dissemination of Clinical Practice Guidelines for the management of pain.



Healthcare Challenges



How will it affect you?

Today's medical practice is just like any other business; it's facilities, equipment and therapeutic scope must be upgraded constantly. Also, a practice cannot afford to lose patients to outside referrals.

This creates:

- Loss of patient-doctor relationship
- Loss of patient confidence
- Loss of service / convenience for patients



Alternative Healthcare Dollars

Electroanalgesic treatment may be the answer!

If your existing patients complain of acute or chronic pain you should investigate the proven and effective treatment of an electroanalgesic pain management system. The high level of patient satisfaction typically equates to an excellent rate of patient compliance and additional patient referrals for your practice.



Business Opportunity

You can bring state-of-the-art technology to your practice, offer a proven, beneficial service to your patients, and expand your opportunities for practice growth with this advanced pain management system. This technology has quickly become a highly praised and integral element in the treatment protocols of successful clinics and practices across the country.



Despite the obvious benefits of pharmacotherapy drugs for pain management, undesired side effects for patients, as well as chemical addiction problems, have created serious concerns for physicians today.

Electroanalgesic Treatments

We sought the input of experienced practitioners and combined their ideas with advanced technology, resulting in a carefully planned and state-of-the-art medical pain management system. This advanced pain management system is user friendly and is programmed to deliver the precise dosage to treat your pain patients with the push of a button. Dynamic medical specialties, like Clinical Pain Management, have seen a significant change in their therapeutic approach over the past decade.

Numerous controlled research investigations have directed the astute medical community toward more “non-invasive” medical interventions, such as clinical electroanalgesia to manage or mitigate patient pain.

Electroanalgesic medicine is different from a portable TENS device (for home use) that uses 1-250 pps (pulses per second) primarily because it uses a High Definition frequency generator (HDfg)™ that can produce much higher frequencies (or pulses per second) from 8,300 pps to as high as 10,000 pps.

This Electroanalgesic treatment can be delivered deep into the tissue due to a lowered skin resistance. The effect of using higher frequencies (pps) is the ability not to **stimulate**, or to **facilitate** the nerves, but to **inhibit** (interrupt) the pain signal.

Hospitals, Universities & Medical Centers That Have Utilized Electroanalgesic Technology to Treat Pain

- Columbia University, New York, NY
- The Cleveland Clinic Foundation, Cleveland, OH
- Loma Linda University Medical Center, Loma Linda, CA
- Charles R. Drew Univ. of Medicine & Science, LA, CA
- National Naval Medical Center, Bethesda, MD
- South Point Hospital, Warrensville, OH
- Southeast Alabama Medical Center, Dothan, AL
- N. Phoenix Health Institute, Phoenix, AZ
- DCH Regional Medical Center, Tuscaloosa, AL
- Northside Hospital, Atlanta, GA
- Garden State Pain Control, Clifton, NJ
- VA Hospital Pain Clinic, Buffalo, NY
- Northern Oklahoma Cancer Center, Ponca City, OK
- Quincy Valley Hospital, Quincy, WA
- Saint Francis Hospital, Hartford, CT
- Sarasota Memorial Hospital, Sarasota, FL
- North Side Hospital, Atlanta, GA
- Loyola Medical Center, Forest Park, IL
- LSU, Bossier, LA
- USAF Medical Center, Wright Patterson, OH
- Portland Adventist Medical Center, Portland, OR

As well as over 2,500 physicians nationally are now successfully using electroanalgesic medicine as an effective treatment for pain management.

For years many physicians have been helping patients by using this effective advanced physical medicine treatment known as Electroanalgesic medicine. Using an advanced computer assisted High Definition frequency generator (HDfg)™ to reduce the hyper-irritated state of the nerves, electroanalgesic treatment offers exemplary patient success in the treatment of PAIN, without piercing the skin.

An Electroanalgesic treatment is accomplished by placing a specific target electrode over the treatment area and a larger electrode on the opposing body site. The strength of this targeted Electroanalgesic treatment is to reduce the ability of the affected nerves to transmit pain signals and, at the same time, promote healing by means of the depolarization effects on the nerve cells.

Electroanalgesic medicine have been successfully used and documented by physicians for a wide variety of refractory pain management problems. Long term advantages of this treatment regimen include:

- Dramatic cost savings in both treatment and subsequent (lifelong) medications
- Allowing the patient to perform activities of daily living with minimal pain
- Potentially returning a PAIN patient to the work force
- Avoiding interventions or surgery in a patient for whom every other conservative alternative has been exhausted or in a high risk medical patient
- Avoiding the probability (even with surgery) of chronic pain for this patient for the balance of his/her life (depending on the outcome of ongoing treatment)



With the use of electroanalgesia, the patients **PAIN** is under control, the rehabilitation process will be faster and more effective allowing the patient to **return to work much sooner.**



**We are here to serve
our customers!
(949) 369-7135**



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Our mission statement:

NeuroMed Consulting, Inc. will lead the industry in the field of pain management by providing physicians with the latest in advanced electroanalgesic medicine, science, and technology in the treatment and diagnosis of pain.

Technology *review*



Is This A New Technology?

Although electromedicine may seem like a new technology to many practitioners, it is actually one of the oldest and most documented medical sciences known. Cellular function has long been known and accepted to be influenced by specific bioelectric fields. The science of clinical electromedicine is based upon the concept that any medical treatment, regardless of the specialty or avenue of approach, can only **stimulate**, **facilitate**, or **inhibit** electrical or chemical processes in the body.

System Description

Electromedicine is categorized into three distinct classifications. Each classification produces a different known physiological mechanism of action which can then be chosen to achieve the desired individual effect for patient treatment. All known and documented electrophysiological parameters for administering this non-invasive treatment are available with our advanced High Definition frequency generator (HDfg)™ pain management system and it's software. With it's ability to select, administer, and bioelectrically trigger various physiological mechanisms of action, our system can successfully treat a multitude of medical conditions.

How Does It Effect The Nerve?

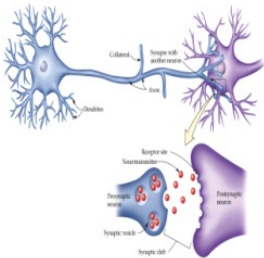
➤ Neuron Function Imitation (**stimulate**)

Physical Medicine Treatment

Signal- 1 -20 or 30 pps

Result- Imitates normal nerve firing frequencies

- Benefit-**
- Adjunctive treatment of post traumatic pain syndromes
 - Adjunctive treatment in the management of post surgical pain
 - Prevention or retardation of disuse atrophy
 - Post surgical calf muscle stimulation to prevent phlebothrombosis



➤ Neuron Function Exhaustion (**facilitate**)

Physical Medicine Treatment

Signal- 30 - 250 pps

Result- Depletion of the synaptic neurotransmitter necessary for continued action potential propagation

- Benefit-**
- Muscle fatigue and relaxation for spasm relief



➤ Neuron Function Interruption (**inhibit**)

Electroanalgesic Medicine

Signal- 8,300 / 10,000 pps

Result- Stops or interrupts the axon transport of the action impulse

- Benefit-**
- Inhibit PAIN, in cases of severe (long term) intractable pain



➤ These mechanisms of actions are only theory and have not yet been proven with valid scientific data.



Electroanalgesic Delivery System



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