

ElectroRegenesiS – A Bioenergetic Solution

“In every culture and in every medical tradition before ours, healing was accomplished by moving energy”

...Albert Szent-Gyorgyi (1960)

“Everything in Life is vibration”

...Albert Einstein

Energy Fields in Medicine

The earliest recorded use of electricity for healing dates from 2750BC, when sick people were exposed to electric shocks produced by electric eels (Kellaway 1946). Around 400BC, Thales rubbed amber and obtained static electricity. Around the turn of the 20th century, a Dutch physician, Willem Einthoven, discovered that heart electricity could be routinely recorded with a very sensitive galvanometer (Einthoven 1906). Einthoven received a Nobel Prize in 1924 for this discovery. His method has been improved to the point that the ECG is a standard tool in medical diagnosis.

In 1929 Hans Berger announced that much smaller electric fields could also be recorded from the brain, using electrodes attached to the scalp. With some refinements, the EEG has become a standard diagnostic method in neurology, serving as an index of health and disease in the brain.

Szent-Gyorgyi (1988) also stated that, “Molecules do not have to touch each other to interact. Energy can flow through . . . the electromagnetic field . . . The electromagnetic field, along with water, forms the matrix of life. Water . . . can form structures that transmit energy.”

These insightful statements, which have profound therapeutic implications, have been confirmed by recent research. The importance of water cannot be overestimated. Each fiber of the living matrix, both inside and outside the cells and nuclei, is surrounded by an organized layer of water that can serve as a separate channel of communication and energy flow. While electrons flow through the fibers (electricity), protons flow through the water layer.

Robert O. Becker and the perineural control system

One of Becker’s important discoveries is that the perineural system is sensitive to magnetic fields. The basis for this research is a magnetic phenomenon known as “the transverse Hall effect”, which indicates that semiconduction is taking place. This discovery simultaneously confirmed Szent-Gyorgyi’s suggestion of semiconduction in the living matrix, and gave a basis for the use of magnets and biomagnetic fields in healing (Becker 1990, 1991; Oschman & Oschman 1995). Becker concluded that the acupuncture points are input channels for the system that regulates tissue repair. Oschman (1994) suggested that the points may be analogous to microprocessors located at nodes in a computer network.

A variety of electrical, electronic, magnetic and other energetic phenomena take place within healthy tissue as a consequence of communications needed to coordinate cellular activities. The resulting energy fields are radiated from the hands of the healthy individual. Whether caused by physical or emotional trauma, ‘the wound that does not heal’ is a wound that is not receiving the natural regulatory signals needed to initiate and coordinate repair processes. When healthy tissue is brought close to such a wound, essential information is transferred via the energy field, communication channels open and the healing process is ‘jump started’.

In modern medicine we have been educated in physiology, anatomy and biochemistry applying this knowledge in the fields of orthodox medicine, herbal medicine, nutrition and naturopathy. More recently, we have begun to accept the impact of psyche on the organism’s ability to heal. We have commenced a journey into the philosophy of eastern medicine where emphasis is placed on the movement of life energy referred to as ‘Prana’ or ‘Chi’. For too long we have forgotten the spiritual and energetic aspect of our being and concentrated on the physical. As we rediscover the energetic body and embrace the knowledge in a holistic approach to our treatment armamentarium we will experience a quantum leap forward in the battle to alleviate chronic degenerative conditions and slow the clock of ageing.

Bioenergetic Equipment

Currently many different bioenergetic technologies are used in routine practice for diagnosis for example: EEG, ECG, EMG, VER, Thermography, X-ray, CT, MRI, PET, Ultrasound, Echocardiography, Doppler and treatment: for example: Ultrasound, Laser, Radiotherapy, TENS, Interferential, Electroconvulsive therapy, Pulsed electromagnetic therapy, Frequency specific microcurrent therapy

Electroregeneration

Electroregeneration (ER) technology is based upon the premise that the human body is essentially a highly complex, constantly transforming, and fully integrated energy system, not merely an anatomic structure subject only to the laws of mechanics and chemistry. This basic fact of life is nothing new: it has been known since antiquity in the traditional healing systems of India, China, Tibet and other ancient cultures, where healers have always regarded energy is the most essential element of life, the most accurate indicator of health, and the most effective cure for disease.

Unlike other electronic medical devices, which simply jolt the nerves and tissues with bolts of electricity that bounce haphazardly through the body, ER technology generates a gentle steady stream of electrons that flow softly and smoothly throughout the body's internal energy network, like water gliding slowly through a field of irrigation channels, permeating every tissue and saturating every cell with the healing energy and regenerative power of electrons.

As the smallest particle of matter in the body's molecular structure, electrons form the fundamental "bricks and mortar" that builds new cells, repair damaged tissues, and amend broken DNA on the atomic level throughout the body. At the same time, the electromagnetic field conducts the waves of electrons through the body, just as an ocean conducts waves of water to the shore, has powerful energetic properties that recharge the energy potential, rebalance the electromagnetic polarity, and restore the functional integrity of each and every one of the 75 trillion cells in the body. Herein lies the essence of ER: it operates simultaneously in the dimensions of matter and energy, regenerating both the forms and the functions upon which the health and longevity of the human body depend.

ER technology adapts an ordinary electric charge into a bio-active pulse of vital energy that is compatible with the living organic energy of the human body. The healing activity of ER therapy takes effect immediately at the cellular level, without depending on the digestive and circulatory systems for delivery and without the dangerous side-effects of toxic drugs and invasive surgical procedures.

1. It has both curative and preventative application in human health and healing
2. It replicates the basic vital pulses that constitute the life force within the human body and sustain the various forms and functions of all its component parts.
3. ER technology converts incoming waves of raw electrons into soothing pulses of bio-active energy that are perfectly synergistic with the energy of the human body.
4. Treatment swiftly clears blockages and corrects imbalances in all of the major meridians and sub channels of the human energy system, thereby restoring the free flow and natural homeostatic balance of energies upon which health and vitality depend.

Features of ER Device

The ER device is a battery operated device powered by a rechargeable battery (150 hours/charge) that supplies direct current to the tissues at ultra low frequency with a maximum current output of 3 milliamperes. The device is applied non invasively through moist electrodes. The only risks with the device are skin irritation or rash, mild tingling sensation and minor electrode burns.

Comparison between ERTD and TENS:

	TENS	ERTD
Output Current Range	1mA -100mA	100nA -3mA
Cycle Frequency Duration	0.025 msec -2 sec	22.77 min
Operating Current	AC	DC
Electrodes	Electrode Patches	Electrode Wraps
Electrode Medium	Gel	Water
Mode of Action	Electrical Jolt	Electrical Pressure
Result	Temporary Relief	Long Lasting Relief

Therapeutic Actions

The primary principle in the diagnosis and treatment of disease in traditional Chinese medicine, Tibetan medicine and other ancient Asian medical systems is that all physical, mental, and emotional disorders can detract back to basic imbalances and impediments in the energy system, which disrupt the free passage and uniform distribution of internal energy in the body. Traditional treatments such as acupuncture, moxibustion, acupressure, and massage stimulate specific points along the meridians in order to restore the normal flow and balance of energy throughout the system.

ER therapy adapts an ultra low electron flow into a bioactive pulse of vital energy that enables healing to occur at the cellular level. This electron flow appears to increase cellular capacitance and reactance decrease electrical resistance thereby allowing bioelectricity to flow through and re-establish normal function and restoring the free flow and natural homeostatic balance of energies. The action of the ER appear to include; a reduction of inflammation, pain and swelling, stimulation of lymphatic clearance, and re-epithelialization as well as increased circulation. These actions may provide a broad spectrum of therapeutic benefits. ER therapy also opens up free circulation of blood to all of the internal organs and bodily tissues, particularly in the area is that have been chronically deprived of sufficient blood supply due to congestion, inflammation, lesions, infections, and other pathological conditions that block blood circulation. Without adequate circulation of fresh blood, toxins and metabolic wastes in diseased organs and damaged tissues quickly accumulate and cannot be cleared, new supplies of nutrients and oxygen cannot be delivered, cellular regeneration becomes impossible, and tissue deterioration continues unabated.

A basic axiom in traditional Chinese medicine states, "Blood flows where energy leads." This means that poor circulation of blood in tissues damaged by traumatic injury or chronic degenerative conditions may be quickly restored simply by stimulating the free flow of energy to those tissues via the meridians, which are not subject to physical blockages. Wherever energy flow is enhanced, better blood circulation follows immediately.

Clinical experience

When ER technology devices were used on her patients for wound care Sally Bishop noticed that "the patients were healing as well as the wounds". While treating patients observers would notice the following:

1. rapid healing of wounds.
2. chronic ulcers, once healed would not return
3. reduction in inflammation
4. reventative applications-clients using take home devices stayed well longer.
5. alleviation of pain (decreased number of pain medications required.
6. improved overall affect and sense of wellbeing
7. patients using the take home devices between treatments on the clinical machine maintained the positive effects between treatments.
8. Most conditions responded favorably without the need for antibiotics.
9. Less scarring of skin tissue in wound area.
10. Non-invasive - more comfortable and painless to clients.

Due to the remarkably rapid regeneration of tissue stimulated by ER therapy, amazing results have been achieved in the healing of chronic festering wounds that do not respond to any other type of treatment. In one clinical study conducted in hospital, 23 decubitus ulcers that standard medical protocols had atterly failed to heal after nearly 18 months of continuous treatment, all cases showed positive healing responses to ER therapy after only a few hours of treatment.

A preliminary study of 25 patients suffering from multiple sclerosis was carried out in Springfield, Missouri, from September 2000 to make 2001. Patients underwent MRIs prior to and following ER therapy. All showed improvement in the neurological symptoms and comparison MRIs showed that the size and number of plaques started to decrease.

A preliminary study was carried out by the author on 20 patients with acute and chronic low back pain. Patients were treated on a tilt table with 30 degrees head down tilt providing gentle traction on the lower spine and one hour treatment sessions using the EPRT device. All of patients with acute back pain with or without sciatica had complete resolution of symptoms within five treatments. Approximately 80 percent of patients with chronic back pain lasting in excess of two years experienced an average 70 percent reduction in pain by the 10th treatment session.

A 58 year old male sustain a comminuted fracture of the talus after falling off a ladder. This was treated in a major teaching hospital with open reduction and internal fixation using multiple plates and screws. These type of injuries have a notoriously high rate of avascular necrosis. The patient was advised not to weight-bear for three months by the treating orthopaedic surgeon. One week after surgery the patient commenced EPRT treatment for three hours per day three times per week for a total of nine sessions. By the end of the first week of treatment there was full range of movement and no residual swelling. The surgical scars were completely healed and the patient had no pain and was not using any analgesics after the first treatment. Six weeks after the fracture he was gently mobilised with partial weight-bearing and was fully weight-bearing by the time he was reviewed in the orthopaedic clinic at eight weeks. (He was not due to be reviewed until three months). The attending orthopaedic surgeon commented that the x-rays showed the fracture to be extremely well healed and well beyond expectation for three months post fracture even though it was only eight weeks.

Preliminary results using bio-impedance monitoring on older patients using a JAI device show an average reduction of biological age of ten years over six months of regular use. Concurrently it is observed that chronic angina becomes asymptomatic within an average of ten days after commencing regular use of the JAI device and hypertension is resolved within three months of commencement.

Ten children between the ages of two weeks and three months of age have been treated in the clinic with single cycle treatments on the JAI device for conditions ranging from colic, reflux, refusal to feed, irritability and constipation. In all cases symptoms were completely resolved by the third treatment cycle administered on consecutive days. Four months follow-up on all cases has shown no recurrence of symptoms.