

ELECTROMEDICINE DEVICES

Therapeutic Effects of Electromedicine Devices

Electro medicine, or the use of electrical modalities to treat physical ailments, is considered one of the oldest and most documented sciences known. Medical professionals of ancient Greece learned that the electrical impulses emitted from electric eels in clinical foot baths relieved pain and produced a favorable influence on the blood circulation. Doctors Largus and Dioscorides (cc 46 AD) documented substantial therapeutic results with electrical currents in circulatory disorders and in the management of pain from neuralgia, headache, and arthritis.

In the 1700s, European physicians used controlled electrical currents from electrostatic generators almost exclusively for numerous medical problems involving pain and circulatory dysfunction. During that period, Benjamin Franklin also documented pain relief by using electrical currents for "frozen shoulder".

The history of electromedicine is a subject in itself, but I will briefly summarize the chronological developments below:

The History of Electrotherapy: A Chronology

The history of electromedicine is both fascinating and long, going back to the 5th century AD where physicians describe the use of electricity using electric fish and eels. Let us take a brief overview of this history below:

46AD (Ancient Rome) - Scribonius Largus describes the use of torpedo fish (aquatic animals capable of electrical discharge) for medical applications. The live black torpedo when applied to the painful area relieves and permanently cures some chronic and intolerable protracted headaches... carries off pain of arthritis... and eases other chronic pains of the body."

1600 (England) - William Gilbert, physician to Queen Elizabeth, published *De Magnete*, in which he describes the use of electricity in medicine. Gilbert re-discovers that when certain materials are rubbed, they will attract light objects - originally known to be true of Amber by the ancient Greeks. He coins the name 'electricity' from the Greek 'electron' for amber.

1743 (Germany) - Krueger, a Professor of Medicine, suggests in lectures that electricity might be used in the treatment of paralysis.

1745 (Germany) - Kratzenstein publishes a book on electrotherapy. He details a method of treatment which consists of seating the patient on a wooden stool, electrifying him by means of a large revolving frictional glass globe and then drawing sparks from him through the affected body parts.

1780 (Italy) - Galvani, Professor of Anatomy at the University of Bologna, first observes the twitching of muscles under the influence of electricity (prepared from the leg of a frog). Galvani then proves that atmospheric electricity, as manifested in lightning, will produce the same effects on muscular movement.

1800 (Italy) - Carlo Matteucci shows that injured tissue generates electric current.

1840 (England) - England's first electrical therapy department is established at Guy's Hospital, under Dr. Golding Bird. The electrical discovery of Galvani leads to the use of mechanically pulsed Galvanic currents.

1860 (England) - The start of Faradic Stimulation. Bristow develops the Bristow Coil, using Faraday's principle of electro-magnetically controlling the voltage of electricity.

1891 (USA) - Nikola Tesla presents a paper in 'Electrical Engineer', about the medical application of high frequency currents. He notes that when the body is transversed by alternating currents above a certain frequency, heat is perceived.

1891 (France) - D'Arsonval, in a communication to the Societe de Bioloaie, shows that a high frequency current (greater than 10,000Hz) can be passed through the body without producing any sensation other than heat. D'Arsonval demonstrates the ability of high frequency currents to modify physiological processes, including: respiratory exchange, dialation of peripheral blood vessels, arterial blood pressure.

1900 (Worldwide) - The electrical discoveries of Galvano, Faraday and Tesla were therapeutically adopted by activating the electrical phenomena of the human body with the use of Galvanic, Sinusoidal and Faradic currents. These become the standard methods of applying Electrical Body Stimulation. There becomes a preference to use the more comfortable and less hazardous Faraday method.

1908 (Germany) - Von Berndt, Von Priess and Von Zeyneck publish a paper on the treatment of joint disease by high frequency currents.

1929 (Russia) - Lakhovsky publishes his book "The Secret of Life". Conducts studies and concludes that cells possess resistance, capacitance, and inductance and function like tuned resonant circuits, capable of resonating to a resonant frequency when exposed to a range of frequencies.

1930's (Germany) - Interferential currents are developed. Two alternating, medium frequency sinewave current paths are crossed to give pulsed low frequency modes of electrical stimulation. Interferential currents are much more comfortable than anything else available at the time.

1938 (USA) - Clinics are opened in San Diego, Los Angeles and Pasadena, California. Phenomenal results are reported. A Special Medical Research Committee is organized at the University of Southern California in Los Angeles to oversee and manage Rife's "energy medicine" research and clinical success with a variety of disease conditions including cancer. The San Diego Evening Tribune reports that Rife's "energy medicine" has successfully destroyed the microbes associated with cancer and other diseases. The newspaper articles are cautious but optimistic.

1950's - 1990's (Russia) - 'Russian Stimulation' is developed - 4,000Hz tone bursts, 50% ON, 50% OFF, alternating currents with 50 tone bursts per second. This is used by athletes for building muscle and increasing power.

1970's (USA) - Transcutaneous Electrical Nerve Stimulation (TENS) is acknowledged as a viable method of pain management by America's Food and Drug Administration (FDA). Many American companies begin production of TENS devices. The heart pacemaker is developed.

1970's (England & Canada) - Melzak and Wall propose the 'Pain Control Gate' theory, by which strong afferent nerve stimulation by chemical, mechanical or electrical means overrides painful sensations at hypothetical pain control 'gates' in the spinal cord.

1970's & 80's (Sweden) - Clinical researchers Ericsson and Sjolund publish a series of articles in various scientific and medical journals. They compare constant, high

frequency TENS to bursts of high frequency TENS (termed acupuncture-like TENS), finding that the latter offers better pain relief and does in fact instigate a release of endorphins into the bloodstream.

1981 (USA) - Becker publishes "The Body Electric". Challenges the established mechanistic understanding of the body. Finds clues to the healing process in the theory that electricity is vital to life.

1991 (Germany) — Nobel Prize recipients Erwin Neher and Bert Sakmann developed a technique that detects electrical currents of a trillionth of an Ampere in the membranes of the cell, establishing the existence of ion channels.

2000 - (USA) — John McDonald of Washington University uses intensive applications of Electrical Muscle Stimulation (EMS) to exercise the muscles of a quadriplegic of 8 years. The patient defies medical science by regaining limited sensation and movement in his body. The regimen includes 2 hours of EMS and hydrotherapy weekly.

PAPIMI: History and Background

Observations, in a great number of patients in The Health Restoration Center, The National Pain Research Institute (U.S.A), and in many other centers in the area of Los Angeles, San Diego, North Mexico, Canada and Europe, have shown that the PAPIMI device has significant therapeutic results with unique speed and efficacy, not found with other conventional therapeutic methods.

The PAPIMI device is a result of the study, comparison and research of the entire past experience in combination with all the relevant technology and scientific Knowledge. The PAPIMI is far ahead of the all relevant devices.

The PAPIMI, an investigational medical device in the U.S, is a proprietary invention of Professor Panos T. Pappas, now at the Piraeus Technical University in Greece. In 1984 he began working with a colleague on a high-current research project in the laboratories of the Massachusetts Institute of Technology. They were assisted by his then pregnant wife.

His colleague and close friend was diagnosed with an inoperable cancer with less than three month survival prognosis, but continued to work on the plasma physics project which involved repeated daily, electrical arcing that occurred with the sudden opening of massively high-current circuits in the catastrophic heat failure of various conductors.

After finishing the project and returning to Greece, Professor Pappas was astonished to learn that at last examination his friend's cancer had entirely disappeared without a trace. In discussing this phenomenon, they considered that exposure to repeat arcing may have caused this remission. Alarmed at the possibility that the biological effects of such exposure may have had adverse effects on his still-unborn son, Pappas immediately launched an investigation by subjecting rats to the same type of high-current fields.

Fortunately, Mrs. Pappas bore a normal, healthy son. However, in continuing his animal studies, he found that tumors implanted in laboratory animals consistently shrank and disappeared when exposed to the electromagnetic field pulses of the

device he had built for that purpose. In view of a long series of successful animal trials, and as no adverse effects were noted in either the experimental animals or controls, Pappas offered his PAPIMI device for the experimental treatment of human cancer patients at the Papanikolaou Oncology Research Center of the Hellenic Anticancer Institute.

The first of these was perhaps the most dramatic example of what was to follow. In 1990 the patient presented in extremis with stage IVa uterine cancer, vaginal fistula, lymph nodes and severe abdominal hemorrhage, and was not expected to survive. With no other therapy than six months of treatments with the prototype PAPIMI (which has since been greatly improved), she became the only patient in her hospital's records with similar complaints that was discharged in a cured and healthy state.

In continuing to treat more patients, many of whom had other medical problems, some surprising new discoveries began to emerge. In one such patient, the ugly, painful, swollen knuckles of rheumatoid arthritis were visibly reduced in size during a single treatment and the pain disappeared. In another patient with a detached retina in one eye the retina re-attached spontaneously without any other treatment.

An open wound healed with unprecedented speed, and new scar tissue was replaced with normal, healthy cells. An AIDS patient treated for Kaposi's sarcoma suddenly acquired new energy, appetite and an increasing T-cell count. Bacterial infections and even such parasites as tape worms and hook worms were found to disappear with PAPIMI treatments, and new anecdotal reports of such coincidental cures and pain relief continue to come in from wherever the non-invasive PAPIMI devices are used.

Such dramatic evidence of the safety and efficacy of the PAPIMI quickly won official approval of its use in Greece, the European community and Canada. But puzzling questions remained as to how the PAPIMI's short, powerful bursts of magnetic energy could effect such rapid healing and pain relief. In particular, there was the apparent paradox of how they could cause cancer cells and infectious organisms to die on the one hand, and renew vital energy to normal cells on the other. These mechanisms had to be reasonably explained before Professor Pappas' novel therapeutic device would be accepted by the medical and scientific community.

For this reason, he spent three years of sabbatical leave in the U.S. for the vast medical literature and research resources available here. His constant and diligent efforts succeeded in developing the evidence to support the explanations and theories, which were used in applying for international patents on the PAPIMI that have since been granted by many countries, including the U.S.A.

He also formed PAP ElectroDynamics USA, a California corporation to manufacture and market production models of the PAPIMI for export and, after the anticipated U.S. Food and Drug Administration (FDA) approval is received, for the domestic market as well.

Technical Description of the PAPIMI

The device produces a train of extremely short bursts of very high frequency oscillations by periodically exciting a gaseous plasma chamber at its natural resonant frequency.

Special precision circuitry in the PAPIMI makes each burst or pulse of oscillations last 0.1 microseconds in duration by a thyratron-type of control. The nanosecond rise and decay time of each pulse of oscillations is so steep that a wealth of third order harmonics are generated in each pulse, which makes it difficult to characterize the resulting pulse frequency as other than an effectively narrow but complex frequency spectrum.

The remarkable aspect of this novel plasma-resonance method of generating such pulses of radio frequency energy is the extremely high amplitude (on the order of many kilovolts) they attain, resulting in massive current flow through the low-impedance load circuit. In this respect, and also by virtue of its complex frequency spectrum, the PAPIMI is unique among the large family of Pulsed Electromagnetic Field (PEMF) devices of which it is a member.

Also, unlike other PEMF devices that produce continuous trains of much wider and more closely-spaced, heat-generating pulses at MHz rates in a "woodpecker" effect, the pulse repetition frequency of the PAPIMI is extremely low with relatively very long intervals between pulses. Variable control circuits output pulses of the PAPIMI to between two and five pulses per second at most therapeutic settings.

For this, and another reason connected with the manner in which the energy is delivered, the PAPIMI has little or no heating effect on living tissue; it is considered to be an athermal PEMF device capable of delivering an effective and beneficial form of bio-energy to living cells.

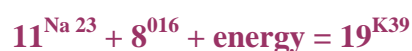
It is noted that in over 100,000 PAPIMI treatments for a variety of medical problems, no adverse effects or incidents have been reported in patients or in technicians exposed to PAPIMI pulses for many hundreds of hours a year.

How Does the PAPIMI Device Work?

When the probe of the device exposes a tissue, its magnetic field spreads and penetrates into this tissue, like it does not receive any resistance. The penetrating magnetic field changes rapidly. It develops and disappears in a short period of time leaving a cyclic electric field that can penetrate deeply into tissues.

The PAPIMI pulses with the increased instant intensity activate the internal degrees of freedom of molecules, and even may cause a Nuclear Resonance and Excitation. While the short duration pulses and their energy per unit time, do not contribute to the increase of the motional energy (heat energy), which would have led to molecular decomposition. By this way, the pulses are ideal for accelerating the formation of complex molecules, for which the activation of internal degrees of freedom of matter, and particular, the excitation of Nuclear components, is required.

The Biological Nuclear Reaction of the French Researcher Louis C. Kervran:



This implies that Sodium plus Oxygen plus (Magnetic) Energy nuclearly transmutes into Potassium.

However, this process is known in Biology as the Sodium and Potassium Pump, which is wrongly assumed to be an exchange and not a nuclear transmutation. It is wrongly assumed that Potassium continuously enters in to the cells and Sodium continuously comes out of the cells, which are obviously two impossible processes!

This nuclear process is accomplished with a low heat, in a low rate of thermal decomposition, which is the most important, and the same time, the most commonly found phenomenon of Nuclear Fusion in Biology.

Therefore the PAPIMI device is a device with a potential to supply Nuclear Bio-energy, for its ability to provide energy to the internal degrees of freedom of matter, based on simple scientific principles of basic importance for life's phenomenon. See or click for example "The Equation of Life".

What Conditions Can Benefit from the PAPIMI?

It is beneficial for several conditions, such as:

- Accelerated healing after surgery
- Emphysema
- Arthritis
- Anti-swelling and anti-inflammatory – very powerful
- Asthma
- Burns (unbelievable results, heal in half the time or less)
- Bursitis
- Carpal tunnel
- Chronic back and neck pain
- Colds
- Colic
- Crohn's disease
- Chronic fatigue syndrome
- Degenerative discs
- Depression
- Diabetes
- Flu
- Fresh injuries
- Gout
- Heartburn
- Hiatus hernia
- High blood pressure
- Immune system enhancement
- Indigestion
- Insomnia
- Internal bowel bleeding,
- Kidney problems
- Liver problems
- Lupus
- Lumbago, sciatica, cervical syndrome
- Migraine

- Multiple sclerosis
- Muscular dystrophy
- Neural tissue and superior neural cells, revival of
- Pains, inflammations and edema of cancer origin
- Post heart surgery problems
- Prostatitis
- Psoriasis
- Sciatica
- Severe knee and ankle problems
- Shingles
- Sports injuries
- Tendinitis
- Tennis elbow
- Thyroid problems
- Ulcerative colitis
- Ulcers
- Pain management for many indications, etc.
- Sports injuries
- Arthritis
- All cases of inflammations, painful ones or not (with immediate disappearance of swelling)
- Tenonitis
- Musculoskeletal Pains
- Sprains
- Ultra fast (1/100 of normal time) rehabilitation of osteal fractures
- Ultra fast healing of atonic, chronic or acute ulcers
- Osteoarthritis
- Ultra fast healing of dermatic lesions (serious sports traumas, scratches, incisions, burns etc.)
- Ultra fast healing of osteal fractures

How Long Will It Take to Notice Any Improvement?

For most users improvement is noticeable within 1 to 6 treatments; however, in more chronic conditions improvement may come at a slower pace. Under persistent use everybody will benefit and feel more energetic.

Why Hasn't My Doctor Told Me About the PAPIMI?

PAPIMI is relatively new to Cyprus and because it is not a medical device your doctor may not know about it.

Are there Side Effects?

PAPIMI therapy has no serious negative side effects.

New users may experience cleansing symptoms such as slight nausea or headache due to toxins being flushed from the cells into the blood stream, a glass of magnetized water will relieve these cleansing symptoms in minutes.

PMFC is like physical exercise at the cellular level; muscles may become sore and feel like you over exercised if you use PMFC to much to begin with.

There has never been a report of someone being harmed by PMFC.

Is the PAPIMI Painful?

PMFC is absolutely painless; treatment is generally comfortable and effortless. However, on initial treatment sometimes the person may feel some discomfort, particularly where there are weak areas on the body being treated.

Most first time users will experience a pleasant warming or tingling sensation in the target area.

Can I Take Prescription Drugs While Using the PAPIMI?

Yes, PAPIMI will increase the absorption of the drugs so it is advised to use the PAPIMI before medication or several hours after.

Because of the ability of PMF's to improve absorption and assimilation you will also get more out of your vitamins and minerals and food.

Are there any Benefits for Sports Applications?

Yes. Besides the obvious benefits for sports injury, daily conditioning can improve athletic performance by as much as 10%.

Athletes who have used PAPIMI don't want to be without it.

Are There Any Contraindications for using the PAPIMI?

Yes. Although there have been no reports of problems arising, people with electronic implants I.E. pacemakers, defibrillators etc. should consult with their doctor before using and keep applicators away from implants.

Although no evidence exists of The PAPIMI being harmful, pregnant women should also consult their physician.

Theory of Operation

NORMAL CELLS

All of the many types of living cells that make up the tissues and organs of the body are tiny electrochemical units. They are powered by a "battery" that is continually recharged by the cells' metabolic chemistry in a closed loop of biological energy.

We are concerned here with that battery, which consists of the membrane that surrounds the cell. The electrical charge, or voltage across the membrane of a normal, healthy cell varies from about 70 to 100 millivolts; this is called the Transmembrane Potential, or TMP.

When a cell is poisoned, damaged, deprived of nutrients or infected, energy is lost in fighting the problem and the TMP falls to a level where the cell loses its vitality and either struggles to heal itself or dies.

Medical literature over the past few decades offers ample proof that the induction of tiny currents of electricity is remarkably effective in healing, regenerating and revitalizing cells damaged by trauma. Many of the earlier techniques developed from this research involved implanting fine electrodes at the boundaries of the injured tissue, and causing a tiny current to flow through the affected area from low-voltage batteries. Subsequently, it was found that these healing currents could also be induced by relatively weak magnetic devices placed close to the trauma and kept there for days or weeks.

Thus the healing effects of micro-currents generated or induced in the conductive pathways of the body have been well established and this application is an accepted clinical procedure.

There remained for Professor Pappas to discover that a weak pulsed magnetic field, hundreds of times faster than had ever been used, applied for a millionth of a second at a time within a frequency spectrum never before used in medical devices, could accomplish much more within a few minutes what other stronger magnetic induction devices required days or weeks to affect--and to do so with much more efficient and far-reaching therapeutic results.

In short, the PAPIMI is capable of raising the TMP of sick or damaged cells into a normal range, thus restoring their bio-energy, facilitating the exchange of potassium and sodium ions (the Na/K pump) and restoring their normal rate of production of ATP which fuels the entire process. Normal healthy cells are not adversely affected by PAPIMI because, as in recharging any battery, the membrane-batteries of living cells in particular will not accept an overcharge.

Let us consider the action of the PAPIMI in electrical terms. The massive surge of current circulating in the applicator loop, which acts as an antenna, generates a field of complex radio frequency energy that is "broadcast" outward in all directions normal to the direction of current flow in the loop. The quickly expanding and collapsing pulse of magnetic energy easily penetrates biological tissues. When a changing magnetic field intersects a conductor in a closed circuit, it generates a current in the conductor; this is the basic principle on which all rotary electric

generators and alternators operate. The expanding and contracting magnetic component of the pulse causes current to flow in the many conductive paths of the body, including nerve fibers, blood vessels (blood serum is electrically conductive) and the fluid bathing the cells.

As the magnetic field expands through the living tissue, it induces electron flow, or current in one direction; as it collapses, the direction is reversed. Electrons always flow from negative (cathode) to positive (anode) potential.

The membrane itself is a dielectric that could be compared to a capacitor. Its electrical charge is positive on the outer surface, negative on the inner surface. Therefore such induced current polarized to push ions toward the positive outside of the cell membrane are blocked just as no current will flow when the positive terminals of two batteries are connected together.

Conversely, current flowing away from the membrane will pull electrons away from it, and cause more electrons or negative ions to pile up on its interior surface, thus incrementally increasing the charge, or potential across the membrane and driving the TMP up towards a normal, healthy value for that cell.

This is one reason why the PAPIMI is so quick and effective in helping damaged cells heal. Also, although it produces no heat in the tissue, for reasons that cannot yet be presented here it appears to increase the blood circulation around damaged tissue. This is important, as increasing the supplies of nutrients is also an effective aid to cell repair; this is particularly true in trauma where circulation has been impaired by crushed or severed blood vessels or the inflammation and swelling that compress capillaries, blocking flow to both the injured and uninjured cells.

Put in terms of physical chemistry, rather than biological terms, another parallel phenomenon appears to occur: the acceleration of adenosine triphosphate (ATP) synthesis and other aspects of the cell's biochemical anabolism. The electrons drawn to the inner membrane by elevating the TMP increase the ionic charge in the interior. This raises the internal degrees of freedom at a molecular level, catalyzing dormant biochemical reactions that would not otherwise proceed as quickly due to lack of available energy. Entropy is reduced and the cell's metabolic rate increased, enabling the cell to heal itself and attain an optimum functional level.

CANCER CELLS

Cancer cells grow faster, divide and multiply much more rapidly than normal cells. As with all living cells, once their TMP falls into a critical low value, mitosis is triggered and the cell divides into two identical copies. When the magnetic induction action of the PAPIMI prevents a drop in the TMP to that critical mitosis-trigger level, the fast-growing cancer cell cannot divide and continues to grow larger until death occurs.

It is clear that as a cancer cell grows at an uncontrolled rate without dividing, the membrane is stretched thinner and thinner. When the ratio of volume to surface area becomes too large, the membrane is unable to absorb enough nutrients to support the bulk of the cell and starvation will result in cell death.

There are several theories about what happens to bring about cell death under these conditions; some or all of these may apply to different types of cancer cells.

Soft, harmless, electromagnetic treatment of cancer is quite new to medical science, and there are still new facts to be discovered. But research continues as new tools are developed to explore phenomena at the microscopic levels of the molecule and the cell.

Bjorn Nordenstrom, a predominant Swedish scientist has found that cells of cancers he has successfully treated with electrotherapy appear to become dehydrated and die. He used an invasive surgical procedure, implanting electrodes in the tumor to generate the micro-currents that the PAPIMI appears to create non-invasively by magnetic induction. His basic techniques were adopted in China where, from 1988 to 1993 over 4,000 cases of advanced malignancy were treated. Of 2516 carcinoma cases in patients over 50 years old, a 78% favorable response rate was reported.

Dr. C.K. Chou, an American cancer researcher and his colleagues have found that these same microcurrents alter the pH of the cancer cell and alter its DNA so that it cannot reproduce.

In the special cases of HIV and hepatitis infections, repeated experiments have shown that when the infected blood is treated in vitro with 50 to 100 microamperes of current, it appears to be virtually free of these viruses. This is an exciting discovery as it suggests that the same phenomenon may occur in the body and raises the possibility that when a PAPIMI device can be designed large and powerful enough to scan or cover the whole body in a single treatment, these and perhaps other viral infections could be successfully conquered.

Another important aspect of the thinning membrane of a growing cancer cell is that it becomes more porous. This appears to have two significant results. Anticancer antibodies of the immune system can more easily penetrate the membrane to attack the cell. Also, when electromagnetic fields are applied to the cancer, a phenomenon known as Electroporation develops; this permits certain pharmaceuticals that have proven effective in chemotherapy to penetrate the membrane more quickly and easily - allowing a significant reduction in the dosage of chemicals that may have harmful side effects.

MICRO-ORGANISMS

There have been numerous anecdotal reports of PAPIMI therapy rapidly clearing bacterial infections - often coincidentally in treating other complaints. In one case, for example, a woman being treated for breast cancer experienced a spontaneous remission of a chronic bacterial infection in her mouth.

Mitosis, the initiation of cell division, is triggered in bacteria as in other cells by the TMP dropping to a critical point, and they multiply much faster than cancer cells. We can only suppose that the same mechanisms may be involved in the bactericidal action of the PAPIMI as with cancer cells; prevention of mitosis by elevating the TMP and/or potentiation of the immune system and increasing antibody access by electroporation through the thinned membrane.

At this time, the only evidence that PAPIMI therapy may have some effect on certain types of virus is the fact that it has suppressed outbreaks of herpes within hours after a 20minute treatment, rather than the days usually required for such outbreaks to subside.

PAIN

An unexpected effect of PAPIMI treatments is their remarkably fast ability to relieve pain from nearly any source. At least in part, this may be due to the increase in blood circulation in the affected area. For a more detailed analysis of this phenomenon, one must explore the MelzakWall theory of pain suppression which is beyond the immediate scope of this paper.

However, anyone who has ever used the simple little Transdermal Electrical Nerve Stimulation (TENS) system of pain control can appreciate the effectiveness of the weak pulses of electricity these pocket-sized devices send through the skin to a small affected area.

Well over 90% of musculoskeletal pain, pain from tissue trauma, cancer, adhesions, rheumatism, burns, inflammation. etc. is significantly or totally relieved by PAPIMI therapy, often permanently, although chronic pain of long standing may require a regimen of treatments over several days or weeks.

AIDS

PAPIMI therapy has proven so effective in treating the symptoms of full-blown AIDS in isolated cases that at least two large-scale clinical studies are being developed to document these effects on a scientific basis. In one of the first such cases, being given PAPIMI treatments for Kaposi's sarcoma, it was noted that his T-cell count increased with each treatment.

Subsequently, many other patients debilitated by AIDS symptoms began to come in to clinics where experimental PAPIMI trials were being conducted. Without exception, these patients experienced disappearance of AIDS-related opportunistic infections, and the very significant potentiation of their immune systems.

It is emphasized that PAPIMI therapy is not a cure for HIV infection, but continued periodic treatments (weekly or biweekly in most cases) has enabled these cases to maintain a healthy condition and to pursue their normal, productive life style.

PARASITES

As yet, we have no explanation to offer of the mechanism by which PAPIMI treatments have just been reported to eliminate tapeworm and hookworm infestations.

FACTS ABOUT ELECTROMEDICINE

FACT: The earth has a magnetic field which pulses at just under 8 HZ (times per second).

FACT: The magnetic field of the Earth waxes and wanes. Over very long periods of time (thousands of years) the geomagnetic field actually drops to zero, the Earth's polarity reverses and the field begins to build again, repeating the cycle. The geomagnetic field is currently waning; scientists believe it has dropped by as much as 50% in the last 1500 years.

FACT: Awareness of the importance of a pulsed magnetic field to improve and preserve health is gaining popularity in the scientific community, Dr. Nakagawa, head of Isuzu Hospital in Tokyo has said many health problems are partially caused by what he calls Magnetic Deficiency Syndrome.

Scientists have discovered that life cannot exist for long periods of time outside the earth's geomagnetic field. In the 60's when space travel was in it's infancy, astronauts and cosmonauts experienced what they called it space sickness (dizziness and nausea).

Upon returning to earth, they found the astronauts to have the beginning stages of degenerative diseases such as osteoporosis (bone loss experienced by many of our elderly).

At first it was thought to be caused by zero gravity in space, after much research it was found to be caused by being outside the earth's pulsed magnetic field.

NASA employed a Canadian Neuroscientist Dr. MA Persinger and a German electromagnetic engineer, Dr. Wolfgang Ludwig to design pulsed magnetic field generators for the space craft, this solved the problem.

Dr. Persinger has said, the use of PMF's for healing holds the greatest promise for mankind's future health.

FACT: Alternating pole, pulsed magnetic fields have shown to be many times more effective than permanent magnets and even direct pulsed magnetic fields because each cell requires a balance of north and south for optimum health.

FACT: Currently there are over 1000 scientific papers on PMF's from all parts of the world. Even though in North America most practitioners and therapists are unaware of how it actually works or that it even exists.

FACT: Night-time use of PMFC has a calming and sleep inducing effect on the body due to stimulation of melatonin production, which reduces stress, slows aging and is anti-infectious.

FACT: PMFC is a safe, effective, drug free, painless form of health management.

FACT: Good health doesn't just happen, you must actively take part in all aspects, and the hardest part of becoming healthy is making the decision to do so.

FACT: PMFC does not treat or "cure" disease. It improves the body's energy. When energy is increased the body becomes healthy on its own.

FACT: Electric potential and magnetism are always present together, and without electro-magnetic energy in the cells life does not exist. EEG (electroencephalogram) and EKG (electrocardiogram) are instruments that measure electrical activity in the brain and heart. Medical practitioners accept the electricity in the body for diagnostic purposes EEG, EKG, etc. but never ask themselves how the electricity is created, how it is maintained, or what its purpose is.

FACT: MRI a new technology that is replacing harmful X-ray is utilizing magnetism which is safe and much more effective at diagnosing health problems.

FACT: PMFC induces an electrical charge into the cells similar to a battery charger inducing electricity into a dead battery, the bodies cells respond to this electrical energy and begin to function properly.

FACT: PMF's hasten the normal healing process and prevent chronic edemas as well as excessive formation of scar tissue, (a major cause of pain)

FACT: 86 million people suffer from some form of chronic pain in the US alone.

FACT: PMFC will help the body to eliminate pain if given the opportunity and time to do so.

FACT: Ionization changes the flavour of wine.

Other Interesting Resources

Nanopulses Tweak the Innards of Cells – Newscientist report

<http://www.newscientist.com/article.ns?id=dn4635>

Energy Pulses Could Target Cancer - BBC News

<http://news.bbc.co.uk/2/hi/health/3458675.stm>

Case Reports from Practitioners around the Globe

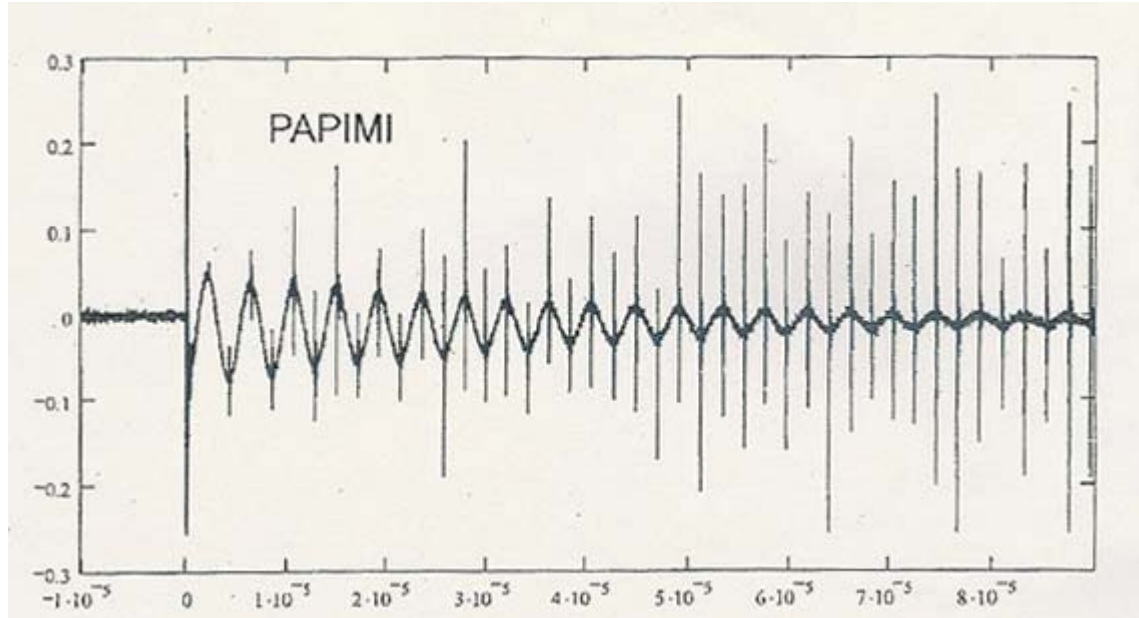
<http://www.papimi.gr/index-5.htm> -

<http://www.worldwideschool.org/library/books/tech/medicine/AnomaliesandCuriositiesofMedicine/legalese.html> - Medical Anomalies 1880

<http://www.papimi.gr/zap.htm>

THE SAFETY OF THE PAPIMI

MAGNETIC RESONANCE IMAGING



Oscillogram of the PAPIMI™ pulse

Note: The Nuclear Magnetic Resonance Emitted Echoes, as the vertical spikes towards the end of the pulse after their Relaxation, as expected for a Nuclear Magnetic Resonance Event.

In a modern Diagnostic Magnetic Resonance Imaging (MRI), these echoes are captured and analyzed to form a diagnostic image with the aid of a computer. PAPIMI, therefore, has the power and the capacity to be a pulse generator for a Modern Magnetic Resonance Imaging System used in today's most advanced hospitals.

However, PAPIMI is intended to be used as a Magnetotherapy Device. It is classified as Magnetotherapy Device. However, we see, the same time, PAPIMI happens to be the therapeutic partner of the modern MRI Diagnostic Devices, invented, worldwide patented and developed the last 20 years by Professor Panos Pappas.

PAPIMI IS A SAFE MRI PULSE GENERATOR

Professor Pappas has many patents such as:

- A61N2/00 - Magnetotherapy Medical Device.
- G01R 33/28 - Nuclear Magnetic Resonance Generator Device.

The devices have been identified and accepted as both a magnetotherapy device as well as an MRI generator.

MRI is known to be a safe diagnostic technology which can also be used for treatment too.

DIFFERENCES OF PAPIMI AND THE MRI SCAN

- An MRI uses a steady magnetic field for calibration purposes in the order of 2 Tesla (A Very Strong Magnetic Field)

PAPIMI uses the natural ambient magnetic field of the Earth, (No Strong steady Magnetic Field, at all).

- An MRI uses magnetic pulses in the order of 5 to 10 KWatts average power.

PAPIMI uses in the order of 20 times less the average power of an MRI.

MRI IS CONSIDERED A SAFE TECHNOLOGY USED ON HUNDREDS OF MILLIONS OF PEOPLE

SO, PAPIMI IS SAFE AND THEORETICALLY EVEN SAFER, DUE TO ITS CONSIDERABLY SMALLER INTENSITY AND THE LACK OF THE VERY STRONG MAGNETIC FIELD OF AN MRI

LONG EXPERIENCE OVER 20 YEARS CONFIRMS THIS IS THE CASE

There are more than 22,000 MRI Devices all over the world, diagnosing almost all organs such as the brain, the spinal cord, the heart, the nervous system...etc, for more than 60,000,000 people per year without side effects since 1970s,

PAPIMI is estimated to treat (without implants) almost all tissues and organs for 1,500,000 people per year for 15 years (since 1990) without side effects.