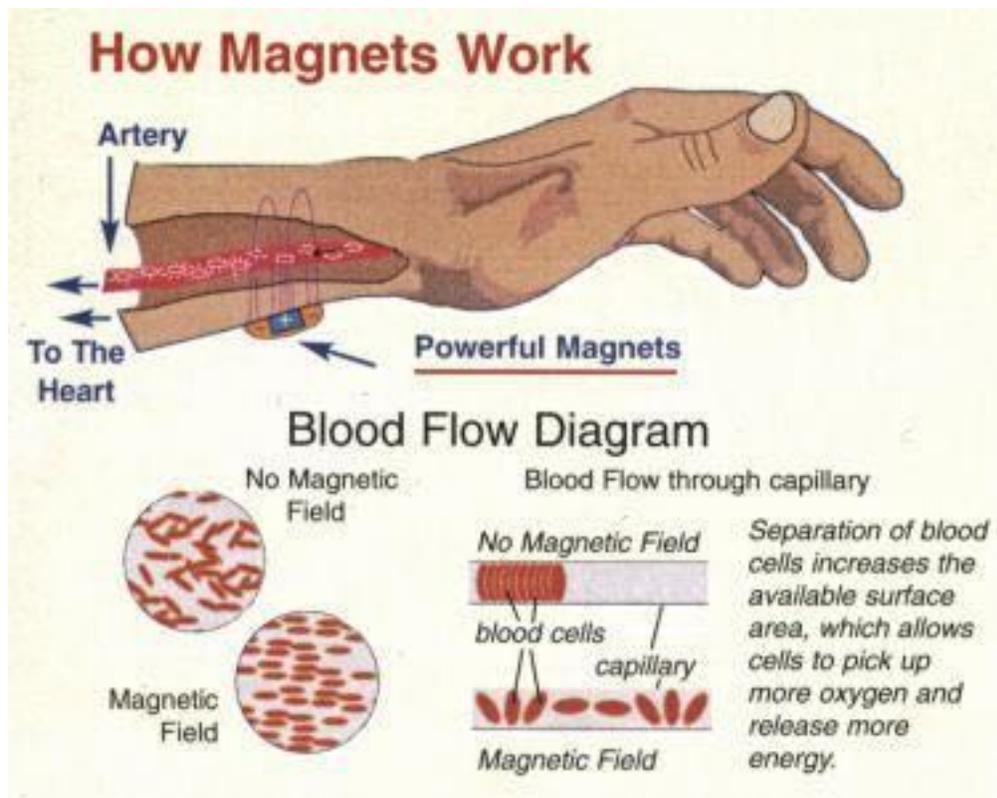


Biomagnetism works in the human body through the circulatory system, the nervous system, and the endocrine system. Magnetism is continuously penetrating every known particle, right down to the atom. Its ordering effect on living systems arises from the fact that magnetism is a blueprint of life itself. All known energies have as a base this electromagnetic field. The latest research indicates that magnetism has a very significant biological effect on human beings.

Dr. H.L. Bansel points out that magnetism increases the electrical conductivity of the blood. Weak current runs through blood and the quantities of ions are increased. The newly ionized blood circulating throughout the body can significantly contribute to the efficiency of the blood flow as well as having a stabilizing effect on both high and low blood pressure.

Blood contains ferrous hemoglobin (iron) that functions as a carrier of oxygen and carbon dioxide. As the blood circulates in the lungs, fully magnetized ferrous hemoglobin is able to transport more oxygen to cell tissue as well as taking more carbon dioxide waste from the cell back to the lungs for removal.



Biomagnetism works to regulate and normalize hormone secretion in the glands. It is currently believed that the increased electrical current being produced forms like a net around the glands and secretory ducts. An extra concentration of oxygen stimulates production while the electrical net regulates optimum secretion. As a result, conditions caused by a lack of hormone secretion or a hormone imbalance are affected through normalizing the hormone functions within the body. Hormones play a very important role in rejuvenation and in general energy levels while proper circulation ensures that the hormone level is evenly distributed to all parts of the body.

When magnetic "flux" (the north/south flow of a magnet) passes through tissue, a secondary current is created around the flux lines in the tissue cells. This ionizes the protoplasm and rejuvenates the tissues by activating cell metabolism.

The function of the cell becomes strengthened as the cell metabolism responds to the bioelectrical currents initiated by the magnetic flux. This current induces muscle spasms to decrease and the activated cell metabolism lowers inflammation in the tissue. The increase of cellular metabolism aids in the regeneration as well as in new cell growth.

The negative pole energies of magnetism interfere with the nerve cell's ability to send pain impulses to the brain for the pain to be registered. Blood cells have potassium in their center which has a positive bioelectric charge. The nerve cell differs in an opposite way. During a pain response, the outside switches to potassium with a positive bioelectric charge. Through attraction, the negative pole charge of a magnet creates a "Blend" of the potassium's positive bioelectric charge as the natural flow of current is towards the negative pole.

As the use of biomagnetics in clinics around the world continues to increase, healers are seeing firsthand how natural magnetism promotes health and provides energy by eliminating disorder in the various biological systems. Stimulating blood circulation and building new cells to rejuvenate the tissues of the body does this. The biomagnetic effect on iron and oxygen in the body allows the hemoglobin active movement, thereby activating circulations in a remarkable way. Ineffective and weakened blood cells are appropriately strengthened and more fresh, vital blood is pumped in the system. With the respiratory exchange, improved and cellular metabolism activated to increase

vitality, prevention and cure of disease become a natural conclusion.

Detailed Information about Magnetic Therapy

"Life developed under the influence of the earth's geomagnetic field. We are surrounded by a sea of magnetism. The human body, its individual organs and each of the millions of cells making up the organs and the body bathed by this sea are magnetically charged. Cell regulation, tissue function and life itself are controlled by internal electromagnetic currents. In disease states, these electromagnetic potentials are altered but fortunately can be favorably influenced by the external application of magnetics."

"The earliest recorded use of magnets dates to 800 BC. Physicians in ancient Greece, Egypt, India and China described and practiced magnetic therapy and it was mentioned in the writings of Homer, Plato, and Aristotle. Aesculapius is considered the founder of the healing arts. All American physicians swear on his name when taking the Hippocratic Oath. In his book Magnetic Therapy, Abbot George Burke explains that the ancient writings tell us Aesculapius healed mostly through the application of magnetism. Science has established that magnetic energy passes through all material and affects all living things. Magnetic fields surround the earth and protect all living things from harmful radiation. They also influence man's behavior, mental function and physical energy."

"Modern medicine is beginning to realize the potential value of using magnetic energy in the treatment of physical and mental disorders. In 1989, the FDA and the University of Tulsa jointly sponsored a conference on emerging electro-magnetic medical technology that attracted researchers, physicians and specialist from around the world. Research for space exploration has produced important information on the human response to magnetic fields and pulsing magnetic frequencies. NASA discovered that magnetic filed generators installed in manned space ships were essential in maintaining bone density and normal health fro the early astronauts. They found that specific magnetic fields and frequencies produced certain biological responses. The Earth's natural pulsing frequency of 7.96 Hz (cycles per second) reduces stress and encourages relaxation and sleep. Deep restorative sleep is essential in achieving top physical and mental performance."

"Since 1978, the FDA has approved pulsed electromagnetic magnetic field treatment (PMF) for non-union bone fractures. The treatment device is available by prescription only and is custom made for each patient, therefore, extremely costly. A set of bar magnets using opposite Poles applied to either side of the fracture provides a similar effect as does the application of PMF treatment using a standard miniature device available off the shelf"

"Robert J. Grace PhD in conjunction with Prof Irena Cosic, Mark Cohen, & the Bioelectronics group, Monash University, Australia, published the following report in March 1998 (Updated- Dec. 2000). Biomagnetics For Pain Relief & Promotion Of Healing. Pulsed magnetic fields have been used therapeutically for almost 70 years. Only during the last 25 years has serious research and development work resulted in extremely low frequency pulsed electro-magnetic

fields (ELF-PEMF). Many medical devices now use this technology. Most of these devices are modeled on the original design developed by Elec, a company from Germany. This device uses power line frequency range of 1Hz to 100 Hz with electro-magnetic field strengths up to 100 Gauss. These products have proved to be beneficial in bone fracture healing, circulation improvement and alleviation of pain, in many cases."

"Used correctly, Electro-Magnetic Energy Fields are a proven therapeutic modality. Research and clinical experience has established that the very gentle, EULF, low power pulsed magnetic energy improves the repair of damaged tissue and reduction of pain, improved oxygen transport in the red blood cells, increased nutrient and oxygen uptake at the cellular level. Greater elasticity of blood vessels, changes in acid/alkaline balance, altering of enzyme and hormone activity, all play an important role in the return to good health."

In his book *The Body Electric* Dr. Robert Becker observed "that an injury site registers South-positive immediately. It changes to North-Negative during the healing process, indicating that a North-negative field promotes healing."

William Philpott M. D. explains the pH and calcium factors in his book, *Cancer The Magnetic/Oxygen Answer*. Reduced ionized calcium plays a major role as a common denominator in degenerative disease, in addition to acidosis. Reduced ionized calcium is not necessarily related to a lack of calcium in the diet. It is more likely related to reactions to environment pollutants that cause an acid response on the body. He states that calcium and other minerals can only remain in a soluble state in the presence of an alkaline medium. In acid mediums they become insoluble.

Negative magnetic fields oxygenate and alkalize by aiding the body's defense against bacteria, fungi, and parasites, all of which thrive in an acid medium. In degenerative diseases, calcium is found deposited around inflamed joints, bruised areas on the skin, and in bones and kidney stones. Infections occur because they function well in an acidic, oxygen deficient state.

A negative magnetic field combats inflammation and infection and enables the body to resolve troublesome calcium and mineral deposits.

A negative magnetic field is effective in relieving pain due to its oxygenation and alkalizing action.

A negative magnetic field enhances deep restorative sleep. The pineal gland produces melatonin in the presence of a negative magnetic field.

Oxygen and water are paramagnetic and can carry a magnetic field to all parts of the body through blood circulation.

Dr. Philpott states that negative magnetic energy is capable of filling indented skin where a tumor has been. He also reports that no scar tissue will form where a cancerous tumor is neutralized by North Pole magnetic energy. The same magnetic energy field eliminates scar tissue formation when a cut heals.

Dr. Ken Wianako (Diplomat of the American Board of Chelation Therapy) said "Magnets have been scientifically proven to be able to assist the body regain its self-healing electromagnetic balance naturally.

"Clinical Trials completed in the USA.

Arthritic Pain: In 1997, Dr. Carlos Valbona of the Baylor College of Medicine, published a study that reported 76% of treated patients using permanent magnets reported a

decrease in arthritic joint and muscle pain compared to 19% of placebo patients.

Diabetic Foot Pain: Dr. Michael Weintraub of New York Medical College released a study that showed a significant rate of reduction in foot pain that afflicts millions of diabetics. Using magnetic insoles, nine out of ten diabetics reported a decrease in painful burning sensations, numbness and tingling compared to 22% reporting improvement in the placebo group.

Fibromyalgia: Magnetic Mattress Pad Use in Patients with Fibromyalgia, A Randomized Double-blind Pilot Study, conducted by Agatha P. Colbert, M.D., Clinical Assistant Professor of Physical Medicine and Rehabilitation Tufts University School of Medicine, Boston, MA. Conclusions were "Sleeping on a magnetic mattress pad provides statistically significant and clinically relevant pain relief and sleep improvement in subjects with Fibromyalgia. No adverse reactions were noted during the 16-week trial period."

Physicians information about Magnetic Therapy

Life developed under the influence of the earth's geomagnetic field. We are surrounded by a sea of magnetism. The human body, its individual organs and each of the millions of cells making up the organs and the body bathed by this sea are magnetically charged. Cell regulation, tissue function and life itself are controlled by internal electromagnetic currents. In disease states, these electromagnetic potentials are altered but fortunately can be favorably influenced by the external application of magnetics.

Conventional medicine has long opposed alternative treatment techniques. Many of these techniques encompass age old methods blending body and mind, science and experience, traditional and cross-cultural diagnosis and treatment. A recent New England Journal of Medicine study reported 1/3 of American patients chose an alternative therapist over conventional medical treatment and 2/3 of patients had visited a complementary therapist over the last year. No estimates were given as to the numbers that had elected to take responsibility for their own health care using self-administered alternative therapies.

Over the last 90 years illness as cancer, heart disease, arthritis, hypertension, infections, chronic fatigue, head-aches, digestive problems and numerous aches and pains have become such an integral part of our lives that they are accepted as normal. Death and disability from these diseases has not been appreciably changed by all our modern, expensive and potentially lethal therapeutic practices. It's been reported that between 60,000 and 140,000 people die in the USA each year from drug reactions prescribed as "standard" therapy by establishment physicians. Many of these toxic-chemical killing drugs are prescribed for non-life threatening conditions.

Magnets have been used for healing since antiquity. Their benefits have been recorded in ancient Egyptian, Greek, Chinese and other writings. Until recently, although the health improving potential of magnet therapy was well documented, scientific explanation of magnetic action was not available. Dedicated researchers and the introduction of the space age have contributed greatly to the understanding of the physiology of magnetism in health and healing. Many health problems, once diagnosed by the medical profession, can be

treated effectively and safely by the patient using magnets without resorting to potentially dangerous drugs. The use of magnets is simple and the benefits can be immense.

Magnets aren't magic. Their use isn't quackery. Magnets have been scientifically proven to be able to assist the body regain its self-healing electromagnetic balance naturally.

This statement is the comment of Ken Wianako, M.D., F.R.C.S.(C), F.A.C.S., Diplomat of the American Board of Chelation Therapy, as printed with permission, in the book *The Invisible Force*. With permission of the Author Fred Rinker

Magnetic Therapy – How it Works

Magnetic therapy is no longer ancient history nor a mysterious force. Science has established that magnetic energy passes through all material and affects all living things. Magnetic fields surround the earth and protect all living things from harmful radiation. They also influence mans behavior, mental function and physical energy.

Magnetism is a basic natural force of the universe. It is the basis for new discoveries in all fields of applied science. This includes electronics, chemistry and physics. The commercial and industrial applications of magnetic energy are as common as the electric motor in every machine. Magnetism plays a major role in everyday functions, from simple domestic appliances to the most advanced scientific instruments.

Modern medicine is beginning to realize the potential value of using magnetic energy in the treatment of physical and mental disorders. In 1989, the FDA and the University of Tulsa jointly sponsored a conference on emerging electro-magnetic medical technology that attracted researchers, physicians and specialists from around the world.

Research for space exploration has produced important information on the human response to magnetic fields and pulsing magnetic frequencies. NASA discovered that magnetic field generators installed in manned space ships were essential in maintaining bone density and normal health for the early astronauts. They found that specific magnetic fields and frequencies produced certain biological responses. The Earth's natural pulsing frequency of 7.96 Hz (cycles per second) reduces stress and encourages relaxation and sleep. Sound, restful sleep is essential in achieving top physical and mental performance.

The most significant use of magnetic energy in conventional medicine is through magnetic resonance imaging (MRI). A sophisticated diagnostic tool, MRI employs the different effects of the two Poles on the hydrogen factor in human tissue to create an image otherwise unavailable. The MRI system detects and details soft tissue and is important in detailing the brain and detecting tumors. Teeth and bones that contain little water do not appear on an MRI image. Other approved devices include EEG, MEG and SQUID diagnostic equipment, which can also detect and record important electromagnetic information.

At the time of first printing (1997) The FDA has approved PMF (Pulsed Magnetic Field) treatment for non-union bone fractures. The treatment device is available by prescription only and is custom made for each patient, therefore, it is an extremely costly application procedure.

A set of bar magnets using opposite Poles applied to either side of a fracture provides a similar effect as does the application of PMF treatment using a standard miniature device available off the shelf.

A new PMF device just introduced to the market place (2005) has been licensed by Health Canada and has settings to treat bone fractures and osteoporosis, strains and sprains, back and muscle soreness, tendon and ligament damage, arthritis pain, migraines, and inflammation from chronic conditions. This device has been developed by a group of professors at Brock University in Canada after 14 years of intensive research. This product is priced very reasonably and is within the reach of individual users as well as small clinics. It is currently being reviewed by the FDA for approval in the USA.

RTMS Repetitive Transcranial Magnetic Stimulation – Numerous peer-reviewed medical journal articles have shown promise for RTMS therapy in the treatment of Parkinson's disease, Auditory Hallucination Schizophrenia, Obsessive Compulsive Disorder, Tinnitus, Eating Disorders, Migraines, Pain Management, and other mood disorders.

Other applications using magnetic and electromagnetic energy are infrared heat therapy equipment, ultraviolet purification systems, magnetic hearing aids, and homeopathic, colour and light therapies. Kinesiology test equipment and magnetic probes which remove metal particles from the eyes, nose and ears can also be included.

While some diseases and disorders respond best to orthodox medicine, conventional medicine and alternative therapies can work in harmony. Natural alternatives are generally safer with fewer side effects and should be considered whenever possible.

What The Experts Say

In his book, *The Body Electric*, Dr. Robert Becker observed that an injury site registers South-positive immediately. It

changes to North-negative during the healing process, indicating that a North-negative field promotes healing.

Dr. William Philpott explains the pH factor and the calcium factor in his book, *Cancer The Magnetic/Oxygen Answer*.

- Reduced ionized calcium plays a major role as a common denominator in degenerative disease, in addition to acidosis. Reduced ionized calcium is not necessarily related to a lack of calcium in the diet. It is more likely related to reactions to environmental pollutants that cause an acid response in the body. He states that calcium and other minerals can only remain in a soluble state in the presence of an alkaline medium. In acid mediums they become insoluble.
- Negative magnetic fields oxygenate and alkalize by aiding the body's defense against bacteria, fungi, and parasites, all of which thrive in an acid medium. In degenerative diseases, calcium is found deposited around inflamed joints, bruised areas on the heel, and in bones and kidney stones. Infections occur because they function well in an acidic, oxygen deficient state.
- A negative magnetic field combats inflammation and infection and enables the body to resolve troublesome calcium and mineral deposits.
- A negative magnetic field is effective in relieving pain due to its oxygenation and alkalizing action.
- A negative magnetic field enhances deep restorative sleep. The pineal gland produces melatonin in the presence of a negative magnetic field.
- Oxygen and water are paramagnetic and can carry a magnetic field to all parts of the body through blood circulation.

Dr. Philpott states that negative magnetic energy is capable of filling indented skin where a tumor has been. He also reports that no scar tissue will form where a cancerous tumor is neutralized by North Pole magnetic energy. The same magnetic energy field eliminates scar tissue formation when a cut heals.

Dr. Philpott's findings support Dr. J. Bischko's studies at the Ludwig Boltzmann Clinic in Vienna, Austria. Dr. Bischko used bipolar magnetic pads.

Dr. Philpott postulates that when a negative magnetic field is applied to a diseased internal organ, such as the liver, a three month application of negative magnetic energy may be required to cure the disease. An additional three month application may be required to repair the organ. His advice is to ensure that the magnet being used is larger than the lesion being treated and that sustained treatment with negative energy from a permanent magnet be applied.

Dr. K. Nakagawa's study, Magnetic Field Deficiency Syndrome, states the human body is under the influence of the earth's magnetic field and is keeping some sort of a balanced relationship with it. However, under modern day living conditions, the effect of this magnetic field has decreased. Consequently, in some situations we can assume that this lack of magnetism has caused some abnormalities. By applying a magnetic field on the human body to supplement this deficiency, such abnormal conditions can be improved. In other words, there is a direct relationship between the decrease in the earth's magnetic field on the human body and the improvement of abnormal conditions by the application of magnetic fields.

It was reported the early astronauts suffered from a magnetic field deficiency while orbiting in space away from the earth's

magnetic field. This caused some serious medical problems including a rapid loss in bone density. This deficiency was corrected by providing an artificial magnetic field in the spacecraft.

Research by Dr. J. Bischko and Dr. Peter Kokoshinegg at the Ludwig Boltzmann Acupuncture Institute, and the Institute of Biophysics and Ray-Research in Vienna, Austria, indicated the following; Scar tissue breaks down and new skin forms when an alternating field magnetic pad is applied.

TDK Industries of Japan carried out three important studies where magnetic necklaces were tested to find their effectiveness in treating stiff shoulders. The conclusion was that magnetic necklaces effectively reduced discomfort in 81.1% to 96.3% of subjects. No noticeable side effects were found in respect to the clinical examination results. (Magnetic necklaces produce alternating Pole energy)

Dr. Ken Wiancko MD, wrote an article (Health Naturally, April 1996) that stated: "Though they seem magical in their ability to heal, magnets are not magic. Their function is very simple. Magnetotherapy helps the body to regain its self-healing electromagnetic balance naturally because each organ and each cell of every organ in the body is influenced by electromagnetism. Cell regulation, tissue function and life are controlled by electromagnetic currents.

In Dr. Nakagawa's classic study, Magnetic Deficiency Syndrome, he outlined that lack of magnetism may cause stress, mental disorders, headaches, arthritis, muscle pain, osteoporosis, chronic fatigue, allergies, insomnia, inflammation, circulatory problems, bowel disorders and other degenerative problems afflicting people today. In the search for a universal cure-all, none fit the description nearly as well as magnetic energy therapy. The application of magnetic

energy offers proven pain relief in seven out of ten users, as good as or better than "orthodox" medicine. Magnetotherapy is far less expensive and lacks the dangerous side effects often associated with prescription drugs. However, proper advice and care should be taken when using strong, large magnets about the head. Treatment with magnets is not addictive and does not interfere with other therapies, but should not be used if a pacemaker or defibrillator is worn.

Researchers have stated that magnetic field therapy rebalances altered metabolic functions that cause pain, edema (tissue swelling), excess acid in the tissues, and lack of oxygen in the cells, thereby initiating tissue healing and pain relief. Skin calcification, the cause of skin aging and wrinkles, disappears. Joint mobility increases and muscles become more flexible. Digestion improves, prostates shrink and kidneys eliminate body wastes more effectively. Mental function increases, energy levels go up and sleep is better. Tests have even shown that organisms placed under a magnetic field live longer.

Because it potentates the body's free radical scavenger and antioxidant system, magnetotherapy is reported to be valuable in counteracting degenerative processes causing heart and circulatory disease, arthritis and auto-immune illness, as well as neuro-degenerative and allergic afflictions.

Drinking magnetic water is said to impart many similar benefits. Wearing back, neck or joint supports with permanent magnets imbedded in the material often relieves painful conditions.

Treatment of discomfort from strains and arthritis with low frequency, pulsating magnetic fields created by tiny portable devices may be as effective as larger ultrasound units.

Stress causes hundreds of diseases but can be tempered by using magnets day or night. Nighttime magnetic field therapy has a calming and sleep inducing effect on the brain and body due to stimulating production of melatonin, an anti-stressful, anti-aging and anti-infectious hormone. Sleeping on a North Pole magnetic mattress pads can improve the quality of sleep and eliminate morning stiffness.

Magneto-therapy may often be used as a first line treatment for pain and to promote healing, not to suggest that there is no place for standard prescription drugs. Many distressing conditions yield to magnetics, but if magnets don't help, it's important that you visit your doctor."

Dr. Ulrich Warnke: Magnetic energy has a beneficial effect on blood circulation, lymph flow, hormone production, nerves and muscles.

Dr. Evelyne Holzapfel: The application of a magnetic field has the virtues of simplicity, freedom from danger and low cost.

Dr. Madeleine F. Barnothy: The magnetic field will develop into a powerful new analytic and therapeutic tool of medicine.

Dr. Kenneth S. McLean: This treatment (magnetic therapy) is a godsend. It's good for almost everything.

Dr. Louis Donnet MD: Besides being easy, efficient and inexpensive, magnetic therapy offers a total guarantee of safety.

Dr. Ralph U. Sierra: We now stand on the verge of a great new age in magnetic science and its application -- a tool that has been provided by Mother Nature herself.

Neville S. Bengali MD: The astounding results obtained through magnet therapy give it a place of considerable importance in the field of therapeutics.

Dr. J.B. Baron MD: This is a revolution in the therapy of muscle injuries, joint pain, and posture problems. We have

treated 3950 patients with whiplash injuries by means of the magnet and cured 80 percent of them.

The First Congress in Magnetotherapy organized by the Coghill Research Laboratories was held at the Royal Society of Medicine in London, England in May 1996. The proceedings introduced over 50 studies and research reports on magnetic therapies, the majority of which were very positive. For example three doctors from Croatia published an outstanding report outlining the treatment of 1261 patients in a rehabilitation hospital using PMF therapy.

Eastern-Bloc countries have traditionally researched magnetic therapy much more vigorously than the West. Many of the studies presented at the First Congress in Magneto-therapy originated in countries where magnetic therapy was seen as an economical option to drug therapy.

A study by Jiri Jerabek, MD.,Ph.D. and William Pawluck, M.D.,M.Sc. A Review of 30 years of magnetic therapy research in Eastern Europe and provides many insights into the benefits of magnetic treatment for many disease conditions.

Gary Null's book Healing With Magnets lists over 300 peer reviewed, scientific studies conducted on the use of magnetic fields in the treatment of many debilitating disease conditions. Vanderbilt University David Schlundt, PhD.

http://www.vanderbilt.edu/AnS/psychology/health_psychology/magnet_therapy.html#target_4