

Magnetic Energy - How Safe Is It?

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Today, a growing concern is emerging which links cancer to electromagnetic fields, more commonly known as EMF. This concern is supported by increasing clinical evidence that certain EMF radiation has accelerated cancer growth in laboratory animals' and statistical studies showing an increased incidence of cancer among humans in areas exposed to higher than average amounts of EMF, especially the type coming from electric power lines.' Lately, the major TV news networks have been reporting daily about this alarming connection between EMF and cancer.

In light of the startling new evidence, many people understandably are asking, *How safe are the magnetic fields used in magnetic therapy?*

To answer that question, a distinction first needs to be made between magnetic fields and electromagnetic fields. As the name implies, electromagnetic fields contain a magnetic field and an electric field. One cannot exist without the other in EMF radiation. A purely magnetic field, on the other hand, is just that, purely magnetic. There is no electric field present at all. That's because the magnetic field, in this case, is not being produced by electricity as with EMF, but by the alignment of atoms that have their electrons all spinning in the same direction. A prime example of pure magnetism is a permanent magnet.

Further, EMFs are **traveling waves of energy**. All traveling waves of energy are created by fields that periodically change their polarity. (+--+--+ etc.). In other words, they all have a frequency. In contrast, pure magnetic fields are static, meaning they have **no frequency**.

These differences are important to consider because if EMF is harmful, then it is reasonable to ask, which component is harmful? Is it the electric field? Is it the magnetic field? Or is it a combination of both? Scientists, at present, don't really know.

If it's the electric field, for instance, then of course static magnets are safe since they have no electric field. If it is the magnetic field that is the culprit, then consider that the magnetic field from EMF is an alternating magnetic field operating at a continuous frequency. The constant bombardment of living organisms with this type of energy is strictly a man made phenomenon created

without regard for biological life. Although EMF play a vital part in the functioning of modern day society, their interaction with biological life is wholly unnatural.

In contrast, pure magnetism is a static or stationary field and is entirely natural. The earth itself is basically a very large static magnet. Since time immemorial life has existed in a static magnetic field, it is reasonable to assume that it may be harmful **not to have** such a field. In fact, there is considerable evidence to support this assumption.

Dr. Kyoichi Nakagawa, director of the Isuzu Hospital in Tokyo, Japan, wrote an article in the Japan Medical Journal in 1976 entitled, *Magnetic Field Deficiency Syndrome and Magnetic Treatment*. In it he attributes a multitude of common ailments, from backaches to insomnia, to the fact that the earth's magnetic field has decreased over the centuries. That, coupled with modern day living conditions which decrease the field even further, contributes to a deficiency of necessary magnetism in the body. He cites several clinical studies which demonstrate how static magnets have been used successfully to treat these ailments where conventional treatments had failed. Dr. Nakagawa firmly believes that the therapeutic use of static magnetism is a necessary tool for healthy living in the modern world.

Dr. Nakagawa is not alone. As the doors of alternative medicine are finally opening in the west, more and more researchers are rediscovering the benefits of natural magnetism and are looking for new and innovative ways of incorporating this benign energy into people's lives. The new magnetic therapeutic pads are one recent and exciting example of this.

Hopefully, the future will reveal even greater breakthroughs in magnetic therapy. As society slowly emerges from years of conditioning that the only approach to good health is through drugs and surgery, let's keep an optimistic view that greater discoveries are just on the horizon.