

ABSTRACT:

Research in the biomedical sciences has generated a wealth of new discoveries that are improving our health, extending our lives and raising our standard of living. Throughout history, we have searched for the "magic bullet" or "fountain of youth" to facilitate treatment of our various diseases or ailments. The treatment of all ailments is an attempt to regain a natural systemic balance through *change*. The human body endures environmental and psychosocial stresses or "allostatic loads" at varying degrees; the physiological response is to maintain natural stability and this is termed allostasis (or homeostasis). All systems in our body, from the neurological system to the circulatory system, strive to reestablish and maintain allostatic stability no matter what allostatic loads our systems receive.

The benefits of bio medical research are measured with statistics of health and well-being. Quality of life measurement is becoming more complex and more difficult to summarize in a single statistic. However, the benefits are real and extremely important to individuals and to their families.

Energy medicine is a new domain in Integrative and complimentary medicines. Energy medicine is divided into two fields:
Veritable, which can be measured
Putative, which have yet to be measured

The *veritable* energies employ mechanical vibrations (such as sound) and electromagnetic forces, including visible light, magnetism, monochromatic radiation (such as laser beams), and rays from other part of the electromagnetic spectrum. They involve the use of specific, measurable wavelengths and frequencies to treat patients.¹

In contrast, *punitive* energy fields (also called bio-fields) have defied measurement to date by reproducible methods. Therapies involving putative energy fields are based on the concept that human beings are infused with a subtle form of energy. This vital energy is known under different names in different cultures, such as Qi in traditional Chinese medicine (TCM), Ki in the Japanese Kampo system, doshas in Ayurvedic medicine, and elsewhere as prana, etheric energy, orgone, odic force, mana, and homeopathic resonances.² Vital energy is believed to flow throughout the material human body, but it has not been unequivocally measured by means of conventional instrumentation. Nonetheless, therapist claim that they can work with this subtle energy, see it with their own eyes, and use it to effect changes in the physical body and influence health.

Practitioners of energy medicine believe that illness results from disturbances of these subtle energies (the bio-field). For example more than 2,000 years ago, Asian practitioners postulated that the flow and balance of life energies are necessary for maintaining health

and described tools to restore them. Herbal medicine, acupuncture, moxibustion, and cupping, for example, are all believed to act by correcting imbalances in the internal bio-field, such as by restoring the flow of Qi through meridians to reinstate health. Some therapists are believed to emit or transmit the vital energy (external Qi) to a recipient to restore health. 3

Examples of practices involving putative energy fields include:

Reiki and Johrel, both of Japanese origin

Qi gong, a Chinese practice

Healing touch, in which the therapist is purported to identify imbalances and correct a client's energy by passing his or her hands over the patient

Intercessory prayer, in which a person intercedes through prayer on behalf of another

Scalar energy, in which the client is introduced to bio-fields which allow for the cellular metabolism to reestablish itself to its ideal state.

In the aggregate, these approaches are among the most controversial of CAM practices because neither the external energy fields nor their therapeutic effects have been demonstrated convincingly by any biophysical means. Yet, energy medicine is gaining popularity in the American marketplace and has become a subject of investigations at some academic medical centers. A recent National Center for Health Statistics survey indicated that approximately 1 percent of the participants had used Reiki, 0.5 percent had used Qi Gong, and 4.6 percent had used some kind of healing ritual.4

Intrinsic tissue regeneration is the body's regular maintenance cycle in which millions of tissue cells constantly undergo remodeling and Restoration. It begins with circulating mesenchymal stem cells originating from bone marrow. Biochemical signals draw the stem cells to site where growth factors have created an environment for regeneration. The human liver is one of the few organs of the body that has the ability to regenerate from as little as 25% of its remaining tissue..This is largely due to the uni-potency of hepatocytes. Regenerated tissue is not equivalent to scar tissue. When an injury occurs, the body's first reaction is homeostasis as fibrin and inflammatory cytokines form a provisional scaffold or blood clot. As more inflammatory cells arrive, the clot remodels into scar tissue. Collagen then develops, however it is abnormally aligned and contain little elastin. Unlike regenerated tissue, scar tissue is different and less perfect than the surrounding tissue it replaces. The human body has the inherent capacity for regeneration once given the optimal conditions for recover. Understanding how cellular mechanisms are normally orchestrated throughout embryonic development, adulthood and aging and then learning to control these mechanisms to achieve normal regeneration of tissues and organs is essential in treating the effects of aging. A crucial component of the body's control system is bio electrical. Indeed, proof-of-principle studies have demonstrated that the regenerative potential of adult tissues can be unlocked by manipulating their biophysical properties, thus restoring tissue to its original structure, function and physiological condition. Superconductive coherent informational fields of consciousness resulting from

the EES are extremely bioactive and lead to the reorganization of biological systems to achieve allostasis. Finally, with respect to the field matrix fusion, the EES technology asserts self-generating or regenerative cohesive fields to promote longevity through achievement of natural physiological balance.

The EES was developed to utilize multiple bio-active fields including scalar energy for the optimization of human system allostasis of physical, emotional, mental and spiritual homeostasis. Scalar fields are non-linear and are well understood in the fields of geology, astrophysics and hydrodynamics. Given that our biological systems are of a non-linear nature, when we enter a scalar field our electromagnetic field excites to facilitate a return to a more optimal state representative of our allostatic nature. Studies have shown that the EES does not emit detrimental fields of 60 cycle (HZ), radiation, or EMF. The EES achieves results by accelerating healing through neutralization of harmful ambient EM frequencies and elevation of beneficial energy at the cellular level. Comprehensive biomedical research including field surveys, microscopy and GDV bio-electrography using the EES in clinical settings resulted in novel evidence which demonstrates that scalar energy is an efficacious treatment with resultant improvement in overall health, wellness and homeostasis. The data suggest that scalar field treatment has the potential for dramatically increasing cellular and tissue energy levels and regenerative properties, lead to possible application in the treatment of age related conditions.

It is well accepted that stress is the root cause of most disease states. The EES induces allostatic load relief at a cellular level by facilitating dynamic energy flow at the highest potential, which allow cells and thus tissues and organ systems to powerfully activate the individuals natural life force to induce healing. Dr. G Gerber of Memorial Hospitals in Houston has coordinated top neurologists, cardiologists and endocrinologist to conduct case studies using the EES. They have demonstrated dramatic physiological changes in those undergoing EES treatment. The quality of life improvement in these individuals is indeed remarkable. The EES has demonstrated a cumulative effect after 6 months of treatment in a continual expansion leading to a re-charging of cellular energy. This can be most similarly compared to the recharging of a battery or cell phone.

Some of the most profound medical advances in human history include the isolation of human stem cells and the mapping of the human genome. The evolution of a holistic approach to treatment of the entire individual along with these advances has begun to demonstrate their vast therapeutic potential in amalgamation. This moves treatment beyond simply that of the disease itself. No single measurement can quantify the magnitude of the benefits. However, the compilation of evidence suggests starting points for the challenge of substantiation the benefits of biomedical research in Holistic Medicine and Alternative Medicine. Further research will lead to cooperative relationships among researchers and clinicians with resultant attainment of the optimal physical, emotional, social and spiritual aspects of allostasis. All life is energy and when energy is optimized, life is optimized.

The aging process is not fully understood and scientists have yet to find a "magic bullet" that can reverse the effects of aging. The key to health aging is natural system balance and the achievement of normal regeneration of tissues and organs. Utilization of the EES will lead to exponential cellular energy and allostasis, increased optimal transmembrane potential and healthy cells and organs. As we further explore the relationship between cellular regeneration and the EES, we look forward toward understanding the cellular mechanism of aging.