

The DeSpark, Alternative Cellular Energy (ACE) Pathway

Our body comprises about 30 trillion cells, which are organized into over 200 different specialized cell types. We are healthy when our cells function normally. To do this, our cells require energy.

There are basically three levels of cellular energy requirements. The first is sufficient energy for the cells to stay alive. The second is the additional energy to perform the cells' specialized functions. The third level is the energy needed for cells to respond to adverse events.

These third-level responses include the repair of damaged cells and/or the regeneration and replacement of irreversibly damaged and non-viable cells. The third level of energy is further required by the body to combat infections and to eliminate and to not be overly reactive to toxic materials. Apoptosis or cell suicide can normally occur in cells destined to become a cancer. This cancer-prevention process also requires cellular energy.

Diseases are viewed as an insufficiency of cellular energy at one or more of the three levels. The energy insufficiency can be localized to a particular type of cell or can be more generalized.

It has generally been assumed that human and animal cells can only obtain energy from the metabolism of food. The principal cell components involved in the generation of energy from food are the mitochondria, which engage in a complex process that requires oxygen.

The research material presented in this website proves that Nature has an additional energy force, which is attracted to separated electrical charges. The fundamental purpose of this force is presumably to prevent the fusion and elimination of electrostatically attracted opposite electrical charges. The force is called KELEA™, an abbreviation for Kinetic Energy Limiting Electrostatic Attraction

In humans, the fluctuating electrical activities of the brain probably act as the major receiver for this energy. It can then be transferred to the body's fluids as a non-food source of cellular energy. This energy is described as the DeSpark, alternative cellular energy (ACE) pathway™.

Many of the traditional life customs and behaviors are means of enabling the brain to better attract KELEA into oneself and even to be able to radiate helpful alternative cellular energy to others.

Early insight into the DeSpark, ACE pathway came from studies on stealth adapted viruses. These viruses differ from the viruses from which they are derived in that they do not evoke inflammation. This is because of the deletion or mutation of the genes coding for the relatively few components, which are normally targeted by the cellular immune system. Culturing of stealth adapted viruses led to the identification of particulate cellular

materials, which can largely reverse the virus-induced cytopathic (cell damaging) effects (CPE). Cells containing these materials remained viable despite the marked disruption of their mitochondria, which as noted above are the main supplier of cellular energy from the metabolism of food. It was concluded that the particulate materials were providing an alternative (non-mitochondria) source of cellular energy. Since the materials were usually pigmented, they were termed alternative cellular energy (ACE) pigments.

The reversal of stealth adapted virus-induced CPE was also achieved by adding what was being called at the time a homeopathic product, to the re-feeding culture medium. These and other studies led to the realization that ACE pigments primarily functioned by altering the physical and chemical qualities of the virus culture medium. These materials could also directly affect even very highly purified water. Treated water acquires an added dynamic or kinetic quality, reflected in greater internal movements, increased volatility and lowered surface tension. Indeed, it was soon realized that similar physiochemical changes can occur in water treated with many compounds, including several products described in this website.

Specifically, dipolar compounds with separated electrical charges can attract KELEA. Moreover, some of these compounds, as well as certain oscillating electrical devices, can transfer the attracted KELEA to nearby fluids, including water.

Within water, KELEA leads to a loosening of the hydrogen bonding between the water molecules. This loosening adds a dynamic or kinetic quality to the water, which can be converted to chemical energy. As such, KELEA activated water can help compensate for those diseases in which food metabolism is deficient.

These diseases can be grouped as follows: 1. Reduced oxygen intake as in chronic obstructive pulmonary disease (COPD). 2. Restricted blood supply as in cardiovascular, cerebro-vascular and peripheral vascular disease. 3. Inefficient metabolism as in diabetes and nutrient shortages. 4. Increased energy demands, as in wound healing and in the response to infections.

The DeSpark, ACE™ pathway has additional properties, which are different from the energy provided by food metabolism. It promotes tissue regeneration and also suppresses inflammation and scar formation. DeDermis, Glacial Blue™ is an excellent example of an ACE pathway™ enhancing product. It has the additional feature of being strongly bacteriocidal and is, therefore, particularly suitable for use on potentially infected lacerations. Epione™ is another example of an ACE pathway™ enhancing product. Clinical experience indicates that Epione™ supports higher-level brain functions, including what is sometime referred to as emotional intelligence. A further example is a natural KELEA activated water from Ecuador called Health2o. These products are available for purchase from this website.

In summary, all humans should be working towards enhancing their own ACE pathway™ and that of their family members and pets. The regular use of KELEA activated water is an obvious approach to disease prevention and a potential method for

alleviating existing illnesses. Several products, which are undergoing clinical evaluation to help optimize their clinical use, are described in this website and are currently available for purchase from the ordering page.

The ACE pathway™ exists in plants, as well as in humans and animals. ACE pathway™ enhancing products for agriculture include Milk of the Gods™ mineral-rich waterceutical™, and other product available on this website. Not only do these products result in increased yields, but, as in humans, they can reduce the burden of diseases. Additional major benefits in agriculture are the significantly improved quality and prolonged shelf life of harvested crops. ACE pathway™ products for human, animal and agriculture uses can be purchased from the ordering page. Additional information is also included in the book “Stealth Adapted Viruses, Alternative Cellular Energy (ACE) & KELEA™ Activated Water” An e-mail copy of this book can also be purchased from this site.

A Complete Scientific Explanation

Energy is required for cell replication, differentiation and specialized cellular processes, including cell death from apoptosis. The alternative cellular energy DeSpark, (A.C.E.™) pathway is an additional source of cellular energy beyond that obtained from the metabolism of food. The added energy is presumptively derived from an environment force defined as KELEA™ (kinetic energy limiting electrostatic attraction). The A.C.E.™ pathway is expressed as a dynamic (kinetic) activity of the body’s fluids that can seemingly facilitate biochemical reactions. Cancer is viewed as a metabolic derangement in genetically altered cells, in which the tumor cells have sufficient energy to replicate but insufficient cellular energy (ICE) to undergo preemptive apoptosis. Empirical observations are consistent with the premise that supplying additional cellular energy via the A.C.E.™ pathway can enable tumor cells to undergo more timely apoptosis.

The body’s A.C.E.™ pathway can be enhanced by administering either KELEA™ activated water or KELEA™ attracting compounds, referred to as Enerceuticals™. Increased levels of KELEA™ can also be created using various devices, which attract and subsequently transfer KELEA™ to the body or to water for subsequent administration. Several KELEA™ attracting devices operate by repetitive on-off electrical switching, while others involve the convergence of intermittent light paths. The fluctuating electrical activity of the brain is proposed to function as a variable antenna for bringing KELEA™ into the body.

Preliminary evidence suggests that A.C.E.™ pathway based interventional therapies may improve this presumed KELEA™ antenna function of the brain, leading to a sustainable improvement in the patient’s A.C.E.™ pathway. It is proposed that cancers are treatable and probably also preventable using methods to enhance the A.C.E.™ pathway. Such methods may include the routine drinking of KELEA™ activated water.

Conventional therapies of non-surgically removable cancers include chemotherapy, radiation therapy, and immunotherapy. With few exceptions, these therapies lead to coincidental damage of normal cells, commonly causing considerable accompanying toxicity. Spontaneous regressions of cancers occasionally occur. Such spontaneous regressions are generally attributed to the immune system. This explanation assumes that tumor cells express cell surface antigens that can be recognized by antigen-specific cytotoxic T lymphocytes (CTL). Partial validation for this assumption is being provided by advanced molecular studies on cell surface proteins of several types of tumors. The potential effectiveness of cancer immunotherapy is also consistent with promising clinical results using methods designed to overcome an apparent tumor-mediated “checkpoint” suppression of CTL.

A competing concept for tumor regression is the delayed triggering of an intrinsic process of cell death termed apoptosis. According to this hypothesis, cells that acquire certain genetic changes, including those which lead to excessive growth and/or delayed maturation, will normally self-destruct via apoptosis. It is reasoned, therefore, that tumor growth may fundamentally reflect impaired apoptosis. This hypothesis is supported by evidence that certain oncogenic viruses code for proteins that are inhibitory to apoptosis. The failure of apoptosis by tumor cells is not likely to be absolute, but apoptosis may be sufficiently impaired to allow for the net overall growth of the tumor. Cellular energy is required for the biochemical processes involved in apoptosis. The provision of added cellular energy to cancer cells may overcome the existing metabolic barriers to apoptosis and, thereby, lead to tumor cell death.

Stealth adapted viruses evade effective immune recognition by the deletion or mutation of genes coding for the relatively few components normally targeted by the cellular immune system. Studies on stealth adapted viruses led to the identification of particulate cellular materials, which can largely reverse the virus-induced cytopathic (cell damaging) effects (CPE).

Furthermore, cells containing these materials remained viable despite the marked disruption of their mitochondria, the main supplier of cellular energy from the metabolism of food. It was proposed that the particulate materials were providing an alternative (non-mitochondria) source of cellular energy. Since the materials were usually pigmented, they were termed alternative cellular energy (A.C.E.TM) pigments.

The reversal of stealth adapted virus-induced CPE was also achieved by adding a homeopathic (activated water) product to the re-feeding culture medium. These and other studies led to the realization that A.C.E.TM pigments primarily function by altering the physical and chemical qualities of water. As described below, similar physiochemical changes can be induced in water treated with many compounds, including several products with reported benefits to human health, including improving the survival of cancer patients.

Extensive studies on the A.C.E.TM pathway over the last several years have provided strong support for the proposal that a fundamental force exists, which prevents the fusion

of electrostatically attracted opposing electrical charges. The force is termed **KELEA™** (kinetic energy limiting electrostatic attraction). **KELEA™** is seemingly attracted to separated electrical charges, including the opposing electrical charges on dipolar molecules. When present in water, **KELEA™** apparently leads to a loosening of intermolecular hydrogen bonding between water molecules. **KELEA™** induced water activation was initially characterized as reduced surface tension, increased volatility and striking linear dissolving patterns of neutral red dye particles sprinkled onto the water. Additional defining properties of **KELEA™** activated water will be detailed in forthcoming articles. **KELEA™** can similarly affect other fluids, including ethanol and gasoline. Moreover, **KELEA™** leads to a higher energy yield from the combustion of gasoline. This is consistent with **KELEA™** being a primary source of chemical energy.

While the **A.C.E.™** pathway overlaps with food metabolism in promoting various cellular activities, it can support cellular functions beyond those provided by food. Specifically, the **A.C.E.™** pathway provides an effective non-immunological defense against viral and bacterial infections. It can dramatically reduce scarring from acute trauma, including burns and improves the healing of chronic wounds. Clinical observations also suggest that enhancing the **A.C.E.™** pathway can lead to sustainable improvements in certain brain functions. Included in the improved neurological activities may be the capacity of the brain to function as an antenna for **KELEA™** and, thereby, to act as a natural driver of the body's **A.C.E.™** pathway. The focus of this is the potential role of the **A.C.E.™** pathway as a source of cellular energy to promote the regression of tumors, presumptively via apoptosis.

As discussed in the next section, there is an overlap between the methods, which apparently can transfer **KELEA™** into water and currently and/or historically promoted remedies and energy-based devices used for treating cancer patients. The overlap is consistent with the previously offered proposal that the clinical effectiveness of many Complementary and Alternative Medicine (CAM) modalities is mediated via strengthening of the **A.C.E.™** pathway.

Water can be activated with **KELEA™** by either adding various compounds to the water or by exposing the water to **KELEA™**-attracting energy fields. Once the water is sufficiently activated, the activating compounds can be removed from the water. This can be done by decanting the water from insoluble compounds, or for soluble compounds by either repeated dilutions of the water, as in homeopathy, or by zero-residue filtration. Similarly, water remains activated after being removed from water-activating energy fields.

One grouping of substances with postulated benefits to cancer patients is mineral containing compounds. These include humic/fulvic acids, zeolites, bentonite, kaolin, mica, magnesium oxide, a range of other metallic oxides, germanium, tourmaline, shungite (a carbon-based product from Russia), volcanic rock materials, etcetera.

These products are usually marketed as sources of essential minerals, which are arguably deficient in some cancer patients. Other natural compounds being marketed to cancer

patients include vitamins, tinctures, essential oils and herbal products. These compounds are variously promoted for their anti-oxidant, metal-chelating, anti-inflammatory and/or presumed immune-enhancing activities. Many of the above-mentioned compounds have now been tested for the ability to activate water, as assessed by increasing the water volatility. Although the findings are preliminary and the levels of activation are variable and dependent upon concentrations and durations of exposure, it is concluded that a very wide range of compounds can lead to some degree of water activation. The more effective compounds are being referred to as **Enerceuticals™**.

A consistent feature of water activating compounds is the spatial separation of positive and negative electrically charged regions, such that the compounds are functionally dipolar. Ionized atoms comprising cations and anions are also intrinsically dipolar because they differ in the relative numbers of protons and electrons. Cations have one to four more protons than electrons, while anions have more electrons than protons. The excess charges can be offset by ionic bonding between cations and anions, especially if not highly diluted in the water. The lanthanide series of rare earth minerals are notable in that their cations can have up to four fewer electrons in the 4f orbital, while retaining electrons in the outer 5th orbital. The outer electrons tend to shield some of the positive charge from anion neutralization. Known water activating rare earth minerals include neodymium and cerium. Electrolysis, including the use of electromagnetic energy-generated electrical plasma, can also be used to separate positive from negative ions. Electrolysis can also generate non-thermally vaporized, activated water molecules, which are present along with oxygen and hydrogen gases in material referred to as Brown's gas.

Water activating energy fields can be created with various devices related to those previously proposed as being useful in cancer therapy. Several of the devices utilize rapid on-off electrical switching.

Prominent early pioneers in the development of these types of devices include Nikola Tesla (radiant energy), Georges Lakhovsky (multiwave oscillator), Royal Raymond Rife (beam ray) and Panos Pappas (papimi machine).

Igor Smirnov currently employs a fluctuating light as a means of oscillating magnetically aligned molecules in producing MRET (Molecular Resonance Effect Technology) water. His method is similar in principle to that of using radio waves in nuclear magnetic resonance.

Another currently used technique developed by Robert Religa and Sandra Michael, involves using sets of facing computers with matching displays of moving lines of colored images. The light projected from the computer screens converges onto common midpoints within the room.

Some other earlier pioneers pursued seemingly more stable sources of energy, such as cobalt blue glass (Augustus Pleasonton), static electricity (d'Arsonval's galvanic cage) and "orgone" chambers (Wilhelm Reich). The use of cobalt oxide in glass has been extended to currently include additional mineral oxides, e.g. in Miron glass bottles

(miron-glas.com).

Wilhelm Reich identified orgone as a universal force with biological and biophysical properties. Elevated levels of orgone develop in chambers with walls composed of alternating layers of electrical conducting and insulating materials. Cancer patients would be treated by sitting within such chambers. Subsequent followers of Reich's work argue that they can attract and transmit orgone using pyramids of polyether resins, which are embedded with dispersed mixed minerals, metal coils and specifically oriented quartz and other crystals. These pyramids are able to somewhat activate water. So too can certain crystals directly lead to water becoming activated. Resins and other containers are being used to embed various water-activating ceramics to avoid any leaching of the chemicals into the water. Direct contact of the water with the activating compounds is, therefore, not a necessary requirement for activating water.

Another indication of distant activation of water is provided by the Aquapol device developed by Wilhelm Mohorn. This device reverses the upward seepage of water into the foundations of buildings. It consists of a coil with attached antennas and an energy gathering metal plate. It is positioned onto the ceiling of a room, yet affects the groundwater moving up the foundations of the building. Negative ions are said to be increased around the device (personal communication).

Johann Grander also realized that the activated water, which he obtained from deep within an old copper mine in Austria, could be used to indirectly activate other water. His commercial water activating device comprises an inner compartment into which he placed some of the active water from the copper mine. Regular water would flow into the device without directly entering the inner compartment. The water emerging from the device acquires substantial beneficial qualities in various biological and industrial applications. This and related observations carry the important inference that consuming or even being exposed to activated water can potentially induce biophysical effects throughout the body, ostensibly via the secondary activation of the body's **A.C.E.TM** pathway.

Direct evidence for the above-stated inference was obtained in studies employing neutral red dye dissolved in activated fluid. Activated water with dissolved neutral red dye will show a striking fluorescence when illuminated with ultraviolet (UV) light. This is not seen with regular water at normal pH. Enhanced UV fluorescence with added dye is also seen upon activation of some other fluids. A protocol was developed comprising the placing a solution of neutral red dye in an activated fluid over skin lesions caused by either herpes simplex virus (HSV) or herpes zoster virus (HZV). Illuminating the solution with UV light results in the underlying lesion becoming fluorescent when directly viewed with UV light.

This transfer of energy is presumably to the **A.C.E.TM** pigments within the herpes skin lesion. The energy transfer occurs even with intervening light impermeable material between the illuminated solution and the underlying herpes skin lesion. A similar protocol was tested in children with autism. Rather than targeting specific skin lesions,

the UV illuminated solution that is applied to paper towels or contained in a sealed Ziploc pouch, was placed over areas of the child's back or onto the soles of the child's feet.

Again, this procedure induced direct UV fluorescence in the underlying skin of the child, as well as direct UV fluorescence in other regions of the child's skin and within the oral cavity. Again, the induction of direct skin fluorescence occurred even with an intervening layer of light impermeable black plastic. The inducible skin fluorescence would slowly fade over several hours. Parents noted definite improvements in their autistic children using this protocol.

The practice of homeopathy is based on a false premise of specificity, as implied in the Law of Similars. This Law asserts that each specific symptom in a patient can be alleviated by administering a highly dilute solution of a compound that induces the exact same symptom, when administered in high concentrations to normal, healthy individuals. Homeopathy also assumes that the compound can be so diluted in water as to be no longer physically present, but to have left a "memory" in the water that is unique for the compound. No cross-over study has been published that convincingly proves that there is specificity of symptom relief using different formulations under controlled "double-blind" conditions. Indeed, clinical experience confirms that certain homeopathic formulations are clinically effective in multiple clinical conditions (discussed below).

Homeopathic remedies are typically produced by using alcoholic extracts (tinctures) of materials from one or more plants, with or without added minerals. Each formulation is diluted into water or into water with a low content of ethanol. Additional 10 to 100-fold dilutions are subsequently made, with the solution being jolted (succussed) between dilutions and before administration. Mainly for proprietary reasons, the actual ingredients in many homeopathic formulations are rather vaguely described and not always honestly listed. Different homeopathic remedies are intended to be administered by injections, inhalation, orally or topically.

The removal of specificity as an activity parameter of homeopathic remedies, leads to the conclusion that the products simply comprise water, which has acquired biological activity during the repetitive dilutions of various tinctures. This approach deemphasizes the chemical formulation of the activating tinctures. The major goal of future studies is to devise a method for accurately assessing the **A.C.E.TM** pathway in cancer patients. The method can help optimize efforts to maximally enhance the **A.C.E.TM** pathway in these patients. Moreover, a better quantitation of in vivo efficacy of various therapeutic approaches to enhancing the **A.C.E.TM** pathway will help shed light on the nature of **KELEATM** and the proposed capacity of the brain to act as a natural antenna for **KELEATM**. Another important goal is to confirm the ability of **KELEATM** activated fluids and/or **KELEATM** enhanced environments to induce apoptosis in tumor and not in normal cells. These studies can be initially performed on cultured tumor and non-tumor cell lines. Cell growth can be monitored using metabolic markers, such as MTT (3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyl tetrazolium bromide). Molecular markers of apoptosis include terminal deoxynucleotidyl transferase dUTP nick end labeling (TUNEL).

These assays will help in the selection and further optimization of **KELEA™** activated fluids. To date, most cancer patients receiving non-conventional therapies have been at later stages of their illness, having had one or more prior courses of chemotherapy. It would seem preferable to begin **A.C.E.™** -pathway based protocols immediately after the initial cancer diagnosis. Detailed molecular analyses on biopsied tumor tissue can take up to several weeks. This interval provides a window of opportunity to assess any possible reduction in tumor size achievable using **A.C.E.™** pathway based an[™]ti-tumor therapies. Positive findings could reasonably then lead to an extension of the delay in instigating chemotherapy. Suitable patients for investigative, first-line **A.C.E.™** pathway based therapy, can also include patients who are motivated by the adverse outcomes of conventionally treated relatives. Success in **A.C.E.™** pathway-based cancer therapy will quickly lead to consideration of the role of the **A.C.E.™** pathway in cancer prevention and, indeed, to the many other benefits of routinely consuming **KELEA™** activated fluids.

The continuing growth of tumors is attributed to the tumor cells having insufficient cellular energy (**ICE™**) to undergo death by apoptosis. It is reasoned that if additional cellular energy was available, the tumor cells will overcome the barrier(s) to apoptosis and self-destruct. **KELEA™** (kinetic energy limiting electrostatic attraction) is perceived as a fundamental force that prevents the fusion of electrostatically attracted opposing electrical charges. **KELEA™** can add to the kinetic and chemical energy of water molecules and other substances. **KELEA™** activation of intercellular and extracellular water within living organisms provides a source of cellular energy beyond that obtained from the metabolism of food. The additional energy provides an alternative cellular energy **A.C.E.™** pathway for a range of cellular activities, some of which are not supported by increased food consumption. A likely distinguishing function of the **A.C.E.™** pathway is facilitating tumor cell apoptosis. Another distinguishing characteristic may be **A.C.E.™** pathway mediated improvements in aspects of brain functions, including the brain's capacity to function as an antenna to attract **KELEA™** into the body. The **A.C.E.™** pathway can also provide a non-immunological defense mechanism against various pathogens, potentially including oncogenic viruses.

The administration of **KELEA™** activated water is discussed as a practical method for enhancing the **A.C.E.™** pathway. Studies are underway comparing intravenous administration with oral consumption, inhalation and widespread, direct skin exposure. **KELEA™** activated water can be produced using two basic methods. One method involves the addition of selected dipolar compounds to water. These compounds can be subsequently removed from the activated water. The second approach is to place the water in an environment with increased levels of **KELEA™**. These environments can be created using various devices, some of which use repeated on-off electrical switching. Using these methods, large volumes of activated water can be inexpensively produced.

Other modes of Complementary and Alternative Medicine (CAM) modalities are similarly consistent with activating the body's **A.C.E.™** pathway as cancer therapy. The effects of **KELEA™** activated and control tissue culture media on the growth and survival of cultured normal and tumor cells can provide additional insights into the

A.C.E.™ pathway. Clinical testing of **KELEA™** activated water should be provided as first-line therapy in cancer patients.

The increases in weight of certain compounds from non-contact exposure to activated water and the progressive reductions in the added weight when the objects are being weighed in an electronic balance, require a rethinking of the concepts of weight and gravity.

According to current theory as proposed by Einstein, weight is simply a passive reflection of the relative distortion of spacetime by the objects with that caused by the earth. Objects are supposedly attracted to one another solely by the resulting curvature of the spacetime between the objects, and not as presumed by Isaac Newton to an unknown external or emitted force, which attracts distant objects. Nicolas Fatio in the 17th century and Georges-Louis Le Sage in the 18th century proposed an external pushing force coming from every direction.

Objects could potentially partially shield one another from the force acting in the area between the objects. The objects would, therefore, be pushed towards one another. This theory was abandoned mainly because it was wrongly assumed that the shielding would be a reflection of surface area rather than the mass of an object. The observed reversible reductions in the displayed weight of certain objects, together with periods of rapid and seemingly erratic fluctuations in the displayed weight, are clearly indicative of an additional component to weight beyond the distortion of spacetime. It may be time to revive some of the earlier considerations of Fatio and Le Sage.

As noted above, the results have major implications for the possibility of an overall decline in the health and vitality of all life forms. This decline may be corrected by the more widespread, routine use of **KELEA™** activated water in humans, animals, and agriculture. Efforts to achieve this goal are underway.

Clinicians interested in testing **KELEA™** activated water and **KELEA™** generating energy devices as possible cancer therapies can directly contact this site for further information, and so too may basic researchers willing to assist in studies on **KELEA™**. To order **DeSpark**, **A.C.E.™**, **GET™**, **WET™**, **Milk Of The Gods™**, **DeDermis**, **GlacialBlue™**, **Waterceutical™**, **Epione™** or other **Ennerceutical™** products, visit the **DivineQuantum.com** or **Charminshaman.com** page.

We are seeking active participation of Clinicians and public participation in our ongoing clinical trials. You may visit the Contact Us page. If you wish to speak with someone directly, please use the Consultation information.

Product Names

DeSpark, DeDermis, DeLixir

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