WHAT IS REACTIVITY

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Biographical Note:

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Definition:

In every organism there must be a interaction between the living organism and its environment. The organism must be able to procure food, excrete waste products and manage itself to battle the forces of changes in its nearby environment, plus it must be able to handle temperature changes, barometric pressure changes, changes in the oxygen, carbon dioxide ratio and electro magnetic forces that confront it. This and other interactions with the environment are necessary for the cell in order to maintain its integrity. The living organism must be able to reproduce and generate the energy needed to handle cellular reproduction. This helps keep the species alive, and allows the species to continue.

The interaction of an organism with its environment has been studied at several levels. We know that there is a physical or mechanical interaction in the organism in its ability to find food and intake food and basically prepare a quality of digestion that nutrients can be absorbed from. There is also a chemical interaction with the environment in that every cell seems to have some receptor sites in it that can receive chemical information and thus trigger activity.

The chemical interaction has received considerable amount of study over the last century. More recently, we now have come to appreciate the electro magnetic reaction of an organism. The fertile sensors of the eye, or eye type organs that exist on many organisms are capable of receiving electro magnetic information, that of photon activity, or light and from this activity it is then able to interact with the environment. This helps procure the nutrients and also defend itself from, and adapt to the radical changes needed in the environment around us. In fact most higher organisms including men, rely very heavily on these photon receptors, in order to maintain life. Recently we have found that there is also a magnetic and electro static sensitivity within these higher organism, that also help it to interact with its environment.

A good deal of research has been done on fish, mostly sharks who use a type of electro sensitivity to find its prey. Oscillations in its electrical fields allow the shark to hunt and find fish that might possibly be food. We know that many organisms have the ability to detect changes in the weather and changes in the earths atmosphere, including earthquake activity which are still largely undetectable by our modern science. It has been proven that much of this is an ability of these animals to sense changes in the electro magnetic and static fields around them.
It has also been shown that many animals can even sense the magnetic changes in the atmosphere induced by the moon. Oysters enclosed in a light tight box still open and close with the moon cycle.

There are more and more examples of electro magnetic reactivity being discovered by scientists. A different moon circle, can also be sensed without the siding of the moon from electrical reactivity in the body. The field and study of electro reactivity of an organism is becoming more and more popular in science. This falls into the field of reproduction, in that organisms use this electro reactivity also to find and procure mates. It is also part of the stabilising of a mate relationship.

If we look at the science of electronics, we can see that there is a study of reactance that allows us to understand how any type of electric circuit monitors reactance within its circuitry. This reactance is a strong correlate to what we are talking about in reactivity. Reactance to find, as the opposition to the flow, of electrical current by the inductance or capacitance of a component or circuit. Thus, there is a static regulation of reactance and a magnetic regulation of reactance. Both of these principles, are utilised by the human body in its monitoring of the electro reactivity field. Thus, any organism has the subtle sensory sensitivity to sense electronic changes in the field around it, and is utilised in the procuring of nutrients and also in defence against toxins and changes in the environment. These are the two components that make up reactivity.

Two purposes of electro static magnetic reactivity, are:

1. To move towards - Sense nutrients, mates, pleasant fields
2. To move away from - Sense toxins, danger, disturbing fields

In simpler terms the body must be able to move to sense and move towards things that it wants, it needs, and its likes, and move away from the items that could impose danger or threats to life. Such items might be toxins, allergens, poisons and harsh fluxes in the environment. Reactivity in a circuit opposes the flow of electrons, as per our definition. This means that it actually has a correlate in resistance.

Many practitioners throughout the world have followed some of the initial work carried out by Dr. Rhienhold Voll who discovered that changes in resistance of different acupuncture points resulted when the person was subjected to different types of compounds. In other words he found that there was a electro reactivity, that could be measured with simple resistance meters and as a person was subjected to either a toxin, compound, or allergen or a compound that was disturbing to them, that they would have a type of change in their electro reactivity. He also found that there was also a change in compounds that produced a harmonisation or a healthy movement.
Patients when subjected to different nutrients that they needed would have a normalising change in their reactivity. Thus, the field of medication testing came into being, along the lines of electro acupuncture according to Voll.

Voll, utilisation and measurement technique was that of resistance and measuring the changes of resistance as a person was subjected to different items. It was soon found that the person had a greater reactance if the item was homeopathic rather than just having the simple compound. It seemed to add some type of energy that intensified the reactivity change. We also know from Fritches law of electronics that as reactance in a circuit increases, the power in that circuit decreases. If a circuit goes to total reactance then power drops down to zero. In simple terms the more an organism reacts to its environment the more power takes from itself. This is a simple law of electronics, that can now be understood in biology.

When a person has a reactance to a allergen the more they react the more power is taken from the body. If the reactance where to become total, i.e. 100% and every cell of the body where to react to the compound, then the organism might die, as the organism could not even provide the power to maintain breathing. This is unlikely but can help us to explain some of the extreme activities which can sometimes but people into dire straits. Antihyphylatic shock is an example.

In the field of kinesiology, kinesiologists have learned to utilise this principle. Kinesiologists are muscle testers who take the subject and monitor different muscles until they find a good, healthy, strong and secure muscle. Upon doing this, they then place into the persons local environment or field, by placing it in contact with their body, different compounds such as potential allergens, potential vitamins, and other types of homeopathics or nutritional substances. They monitor the muscle tension, by comparing it to when it was without the substance. If the muscles of the body start to grow weak, this means that the body is reacting to this compound, and thereby they can monitor reactance, by monitoring the muscle strength. The more the body reacts to the compound the weaker the muscle, because as reactance increases, power decreases. This is an example of Fritches law in biology. There are literally hundreds of thousands of kinesiologists, acupuncturists and other practitioners who are on a daily basis monitoring these type of phenomena in medicine. This is mostly happening in the field of alternative medicine or complimentary medicine. Alternative and complimentary medicine, work on the principle of reactivity. They believe in electro reactivity because it helps explain the body in terms beyond simple chemistry. They do not ignoring chemistry but go beyond that of simple chemistry, meaning that the chemical interactions and interchanges of the body are still valid, but there is a electro magnetic and static interchange of the body with its environment.
The phenomenal movement in recent years into medical practice of practitioners of alternative and complimentary medicine indicates that interest is growing in this branch of science. Its place in medicine in biology is being recognised.

People in general want to go beyond the basic "tests and prescriptions" as practised by allopathic doctors in recent decades, and seek out this deeper understanding of the electro physiology of the body. Nature seems to know some secrets of this electro reactivity principle, and builds it into its natural herbs, vitamins and glandulars. The factory based synthetic replicas of these items, do not have the different energy structures that seem to be existing in the natural entities. Hence, more and more of the patients around the world are looking for natural and energetic solutions, which explains the growth in numbers of alternative and complimentary doctors and practitioners.

MEASURING REACTIVITY

One of the problems with measuring reactivity, through either kinesiology or a one channel distant device, is that it is prone to errors in measurement.

There are many complicating variables that can happen in the muscle testing environment. Simply, practitioner to subject communication can induce such changes. There are also changes in the doctor to these compounds, and these can be projected into the patient. We must understand that changes in a muscle and that of muscle power, are effected by millions of different reactivity precepts that can happen in the body, and which can interfere. The largest problem of the muscle testing is that of the time involved of reactivity. When the body is subjected to a potential reactant, such as an allergen or toxin, there is an initial reactance that happens in the body. This initial reactance is followed by the bodies changes in trying to adapt to this reaction. If we understand reactivity, we also must understand adaption, in that any organism to interact with its environment has to:

be able to react, and be able to adapt.

Dr. Hans Sellye developed a whole system of medicine, around the idea of stress, producing an initial alarm reaction, followed by a adaption response of the person. It then tries to adapt to the initial stressor. Adaption is a basic principle of biology. In simple terms of kinesiology, once we place an item onto the body there are initially maximum changes, which happened within the bodys circuitry and happened very intensely within the first millionth of a second. The body then starts to adapt to that signal. Thus because of the adaptation principle, reproducibility of kinesiology or any reactivity is questionable. The more we test the more the body adapts.
By measuring fluctuations in the external field of the body, we can use a mathematical allogrythm to determine reactivity.

Normally allergy research depends on antigen to anti-body interaction. This is a shape receptor, a type of interaction where quantic chemical forces bring the antigen antibodies together. But since this action depends on the fields of antigens and anti-bodies to cause attraction, could there not be a field sensitivity which initiates the process. A chemical bonds with another chemical only because of a field compatibility. Any chemical process is indeed also an electro magnetic static process as well. Thus, it makes sense that there could be a field sensing process in the body. This would be called, an antigenless electro magnetic reactivity. In our books on quantum biology we document this in a mathematical and scientific way.

If you are allergic to cat dander, the field around the cat hair could be sensed by the field of the body and thus help alert the body. The volume of material will determine the time of reaction, but even trace particles have the same field and thus set off the same reactive pattern. So just a couple of molecules, can set-off a reaction spike, but larger amounts make the reaction last.

If we brought 100 cats, into a room, there would be an initial, dramatic reaction by the person in the room. Since there was a large number of the cats the volume would provoke a reaction in the body. Keep in mind that this is just the reaction to the exposure of the field of these cats and not to the actual antigen. So, if we then take a just a small tiny sample we find that as we measure the reaction to the cat hair, it does not change the initial reaction.

The initial reaction is still largely the same even if there is just a couple of molecules of the cat hair, but the time of duration does change, it drops down below even a second. Thus, developing the zero technology we found that if we limited the quantity of the material even down to a 10th of a drop, we did not change the initial reaction. Only the time of the reaction was changed. Adaptation is something that we must understand as capable of happening in the body in Kinesiology. Thus, if we bring a compound into a persons electro-magnetic field and test a muscle that used to be strong, and it grows weak, we can see that the person has reacted to the compound and that as reactance increases, its power decreases. But then the circuit starts to adapt to the signal of the homoeopathic. This sometimes happens in less than a second, and it is difficult for the muscle tester to be able to test that muscle quicker than even two or three seconds. Therefore can there be time variables in muscle testing. We can see the subjective problems of the doctor and the time variables required for muscle testing.
If we try to reproduce our experiments time and time again with the same compounds, we start not only abusing the muscle, but we also abuse the adaption principle, which is that the body starts to adapt to the electro-magnetic field. If our body could not adapt to electro-magnetic field changes it cannot survive, thus adaption is highly important to the electro-magnetic fields around us. The healthier the organism the quicker the adaption occurs.

Modern chemistry has understood reactivity only to the chemical process in that the existence of a allergen but is known as a antigen a actual substance comes into the body to stimulate the immanuel globulin or immune systems action to the chemical. What we are firmly saying is that the ability of the body to react to the electro-magnetic field of the antigen without the presence of the antigen. This type of reactivity is of a certain type of electrical nature and also of a certain type of time duration. This allows the body in a electrical fashion not only to react with the environment, but also to move towards essential nutrients, and away from dangerous toxins.

It is very important for us to realise that one of the future major studies of medicine will be studying, antigenless electro-magnetic reactivity. With this in mind we at the Maitreya Corporation have been studying this phenomena for the past decade and explaining to those growing numbers of practitioners who work in the field of antigenless electro-magnetic field reactivity. We are developing in this document, a complete understanding, because resistance and muscle changes are prone to some inherent errors. From our definition of reactivity we see that there are changes in capacitance or the static qualities of the organism and changes in the magnetic field. This means that we must go beyond resistance as a measure and also measure the voltage and amperage so that we can understand the capacitance and inductance changes. Kinesiology involves too many reactions and inter plays to become steadily accurate.

**COMPUTER TECHNOLOGY**

For these purposes we needed to develop technology and equipment that is capable of measuring not just resistance but measuring voltage and amperage, capacitance and inductance changes in the subject.

These changes have to be measured in a very short period of time. We found a **100th** of a second test to be the best indicator. A machine was then developed, where small quantities of material were placed into a test kit and the patient was then monitored for voltage, amperage, resistance, capacitance and inductance changes to the electro-magnetic field of these different antigens. Thus the antigenless electro-magnetic reactivity test was born. We called it the Xrroid.
We increased the accuracy dramatically beyond resistance and muscle testing because we now have a multi-channel test of the electro-magnetic field of the body, as it changes at different points of the skin. It is known that the electro-magnetic field of any cell, if it is in a liquid medium, the electro-magnetic field around it, is displaced to the external parts of the liquid medium. In other words all the electro-magnetic fields of each of our individual cells in the human body are all pushed out to the exterior qualities of the skin not only to the exterior qualities of the skin but also to the furthest point from the centre, meaning that of the fingers and the toes. Thus, the measurement of electro reactivity with full, and with the most subtle changes in reactivity, were displaced on acupuncture points at the most distant part of the body, that of the fingers and toes. All of the major acupuncture meridians of the body, start on the fingers or toes. The Korean developers of such a resistance machines found that measures of reactivity could be done on the wrist, thus they developed wrist sensing materials that would measure the changes of resistance at the wrist. The wrist and ankles spots were then mutualised to measure electro-activity, and using our machine we found that we could also use wrist, finger and ankle spots as well as measure the brain wave, which would help us to infer voltage changes that happened in the body. The brain wave is a measure of changes in the voltage of the body. Thus, the outside skin reactivity was where interaction of the environment with the organism occurred.

The so called boundary layer as we talk about it in physics, is were the body receives information of the electro-magnetic field and produces its own changes in that electro field. The changes are small, subtle and thereby need to be measured by sophisticated electronic machinery. Modern computer technology makes this possible and the development of the Xroid provides a machine that would subject the person to a nutrient and potential allergens, a type of sarcodes and nosodes. Thousands of different homoeopathic products were presented one at a time and then the machine would measure electrical changes in many different channels of the body. The key word or concept is change, thus we could see changes in the individual persons reaction to different compounds.

We also found that there are changes that can be induced by different drugs, and it was soon found that morphine and other depressants decreased the amount of time of the reaction of the body. A person on morphine will sometimes take two or three times more to react than the normal person. It was also found that people who have degenerative disease or systemic weakness had less intense reactions, whereas those who where nervous or in states of inflammation or infection had greater reactivity scores. In order to calculate, the machine had to compare peoples reactions to established norms, but to compare norms for each patient inside their own reactivity scores. In other words the patient then became his own control and we could measure which of the compounds the patient most violently reacted to, verses the compounds that had the least amount of reactivity.
The patients are subjected to testing, to every known amino acid, vitamin, mineral, hundreds of bacteria, fungus, viruses, parasites and a host of different homoeopathics. Thus, there are over 3,000 items that can be tested. Tested in such a fast, rapid succession at a 100th of a second, that this would allow the computer to test these items in less than 3 minutes. This process of rapid testing of multi number of substances is known as the Xrroid test of reactivity. Recent research as shown that this can be helpful in pre-diagnosis of different infectious states, glandular conditions, toxin reactivity and allergens. This form of testing has now been applied to patients with many different types of illnesses or conditions, and its validity is confirmed by the consistency in findings. At present there are about 200 practitioners using the technology throughout the world.

This is just a small part of an overall medical art of what is now known as energetic-medicine. A field of medicine using energetic and electronic invention for diagnosis and for treatment of patients, a field that does not seek to ignore or destroy the chemical understanding which is been gained over the last century, but further adds to the quality of diagnosis and treatment by offering yet another viewpoint, that of energetic field changes. Once measured in the body abnormal electrical parameters are abnormal and can be brought in harmony through the administration of resistant type of fields. This is the study of the bio-resonance work of energetic treatment.

This paper is designed to allow more lay people an understanding of the field of antigens, plus electro magnetic field reactivity, so that people can understand, and practitioners employ it in their daily practices.