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Oxidative Therapies

All life can be viewed as the exchange and transfer of energy. Each biological entity has a specific form (anatomy) that is designed to receive, utilize and transfer energy (biochemistry-physiology). In our solar system, the source of the energy that enlivens all the creatures of the earth is the sun. Plants are designed to capture that solar energy and then use it, through photosynthesis, to grow and produce fruit, leaves, stems, roots, seeds and nuts. Certain animals then consume those plants and through oxidative phosphorylation, power their cells to grow, differentiate and divide. Other animals, then consume those animals and ultimately, all biological life is recycled through micro-organisms (fungi and bacteria) in the final extraction of energy. This final step resolves seamlessly into the first step, completing this circle of life, when the components that made up the organisms' bodies are broken down into their elemental structures to be used for nourishment by plants (fertilizer).

At the most basic level, all energy transfer in biological systems occurs through what chemists call, redox reactions. That is reduction-oxidation reactions. These reactions involve the transfer of electrons, which seem to be the basic, fundamental form that energy takes.

Oxidation reactions remove electrons while reduction reactions, add or contribute electrons. It is this ebb, flow and exchange of electrons that allows life to be manifest. In fact, it is the unfathomably complex and intricate movement of electrons that brings life and organization to biological systems.

Once all electrical activity ceases, the organism is dead. This is clearly seen in emergency rooms; when all else has failed, the 'electric paddles' of the cardioversion machine are brought out and placed on the chest of the person with no electrical activity (flat line on EKG) in an attempt to re-establish the flow of life. This same phenomenon amuses children and adults with the use of a potato clock where two electrodes from the clock are stuck into a potato, whose bioelectrical energy is harnessed to power the clock.

This flow of electrons is what has become known as 'electricity'. What is an electron, you might ask... no one knows...but in China, it is referred to as Chi, and in Japan, as Ki, while in India, it is known prana. It is that, which animates the flesh and hence can be understood to be the manifestation of the breath of God.

It is the redox biochemistry of living organisms that permits 'life' to raise its head amid all the lifeless geological forms on this earth. The geochemical and biochemical cycles of Earth have become inextricably interwoven into one grand cycle through this redox biochemistry. The dominant bioenergetic pathways of photosynthesis (plant) and respiration (animal), which power the biosphere of planet earth flourish on the reducing equivalents stored in water and the oxidizing equivalents stored in oxygen.

Just as the oxidation of fossil fuels (oil) releases energy to power machines, so does the oxidation of inorganic and organic compounds (redox reactions) release energy to power cellular functions. Remember, the fossil fuels are actually the stored solar energy trapped within ancient plants (oil) and machines are mechanisms for extracting and using that energy in a most inefficient and wasteful manner that has resulted in the tragically polluted condition of our planet.

Oxidation not only provides the energy necessary to power all cellular functions, it is the ‘weapon’ the immune system uses to destroy cancer, bacteria, fungi and viruses as well as neutralize toxic substances, so that they can be packaged and prepared for elimination.

Clearly then, at the most basic and fundamental level, what all therapies endeavor to achieve is the following:

Repair and revitalize the body’s redox capabilities in order to achieve and maintain optimal functioning (health).

The rejuvenation of this most fundamental and universal system will occur naturally by living according to ones’ biological limitations and specifications with regards to fasting, eating, eliminating, sleeping and exercise however, when chronic diseases, such as cancer begin to usurp the bodies ability to heal, therapeutic intervention often becomes appropriate if one wishes to expedite the process.

Although most therapies ultimately achieve their reparative function by enhancing redox capabilities, it is the **oxidative therapies**, alone, that directly nourish and stimulate these defective and wounded capabilities.

Oxidative therapies must not be confused with oxygen therapies. *Oxygenation (or oxygen) therapies* are designed to increase the oxygen content of the blood and tissues through the administration of oxygen at higher concentrations than exists in room air.

Ambient (room) air has an oxygen concentration of approximately 21% with the remainder being comprised of about 78% nitrogen, 1% argon and less than .05 % of CO₂. The remainder of the air we breathe is comprised of very minute amounts of neon, helium, methane, krypton, nitrogen oxide, hydrogen, xenon, iodine, carbon monoxide, ammonia and ozone. Of course, depending on the climate and location, there are differing amounts of water vapor and petrochemical as well as other pollutants in the air we breathe.

‘Oxygen’ refers to the single atom of oxygen and, as such is one of the elements found on planet Earth. It can also refer to O₂, or the molecule oxygen that we breathe. And, unfortunately, it is classified by the medical profession as a drug and hence its’ use is regulated by physicians.

Thomas Lodi, MD is the founder of An Oasis of Healing located in Mesa, AZ. He is trained in internal medicine and many alternative modalities. For the past 10 years he has narrowed his focus to Integrative Oncology. He is a licensed Medical Doctor in the State of New York and as a Homeopathic Medical Doctor in the State of Arizona.

For More Information Please Visit:

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