

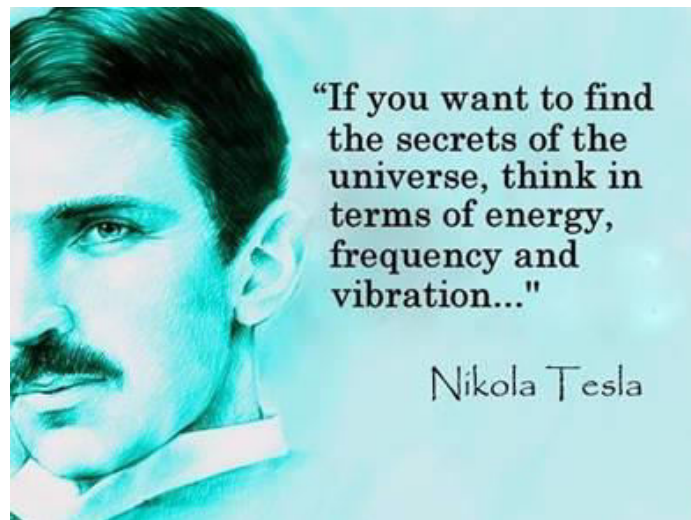
<http://drsircus.com/general/human-voltage/>

HUMAN VOLTAGE

## Voltage is Life

Voltage is life and all life has voltage. The question is—is there enough? Voltage is the cause of life and an absolute lack of it is death. Health is a matter of having enough voltage and sickness increases as our voltage declines so **treating with voltage gets right to the point.**

Voltage implies lots of electrons meaning voltage implies current, frequency, magnetic field as well as pH, oxygen, carbon dioxide and light. *The Secret of Light*, by Dr. Walter Russel was my starting point 35 years ago, and it was Dr. Jerry Tennant who topped the education with energy or specifically with electron medicine.



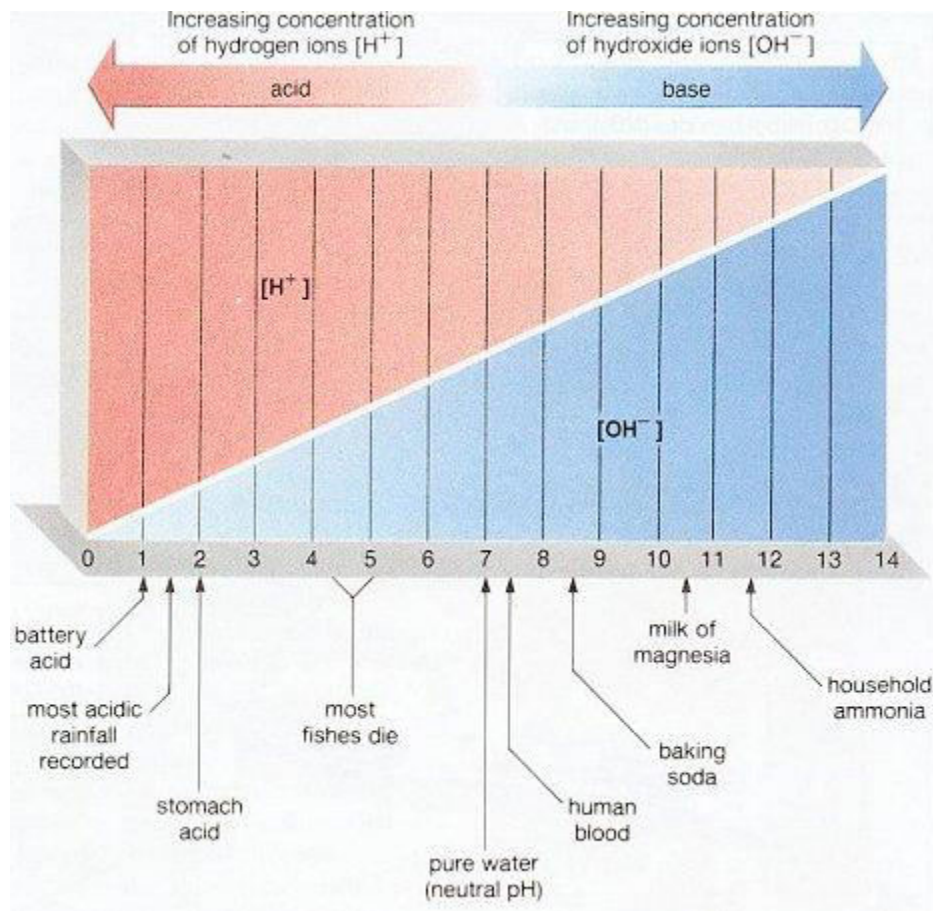
Behind these doctors we have Albert Einstein and many other scientists like Niels Bohr telling us that everything is energy. What we perceive as our physical material world is not physical or material at all. There is an obvious connection between energy and the structure of matter.

When we talk about electrons and voltage we are led to the border line between the physical universe and the world of light and pure energy—yet the amount of voltage controls pH and oxygen levels so when we talk about voltage we are talking about the body's physical and chemical existence.

### All Energy is Electromagnetic in Nature

All atoms, chemicals and cells produce electromagnetic fields (EMFs). Every organ in the body produces its own signature bio-electromagnetic field. Science has proven that our bodies project their own magnetic fields and that all 70 trillion cells in the body communicate via electromagnetic frequencies. Nothing happens in the body without an electromagnetic exchange. It has been definitely established by physicists, that when a moving electric charge is accelerated or retarded in any way, a wave of electromagnetic disturbance radiates out through the surrounding space.

Some electrical devices commonly used in mainstream medicine include EEGs to measure electrical activity in the brain and EKGs to measure electrical patterns of heartbeats. Electrical energy is used to restart the heart when its rhythm is disrupted (defibrillation). Some electronic and electromagnetic devices are approved for medical use, such as the electroencephalogram (EEG), electrocardiogram (EKG), magnetic resonance imaging (MRI) and transcutaneous electrical nerve stimulation units (TENS; see Transcutaneous Electrical Nerve Stimulation). Such devices are used to diagnose heart and certain physical problems. The TENS unit is used to reduce pain by interfering with nerve conduction of pain impulses.



[Jon Barron](#) presents a way of looking at pH (voltage).

Hydrogen ions tie up oxygen. That means that the more acid a liquid is, the less available the oxygen in it. Every cell in our body requires oxygen for life and to maintain optimum health. Combine that with what we know about hydrogen ions and we see that the more acid the blood (the lower its pH), the less oxygen is available for use by the cells. Without going into a discussion of the chemistry involved, just understand that it's the same mechanism involved when acid rain "kills" a lake. The fish literally suffocate to death because the acid in the lake "binds up" all of the available oxygen. It's not that the oxygen has gone anywhere; it's just no longer available. Conversely, if you raise the pH of the

lake (make it more alkaline), oxygen is now available and the lake comes back to life. Incidentally, it's worth noting that cancer is related to an acid environment (lack of oxygen)—the higher the pH (the more oxygen present in the cells of the body), the harder it is for cancer to thrive.

Understanding this is important for two reasons: (1) it reveals one of the primary benefits of alkaline water—more “available” oxygen in the system and (2) it explains why alkaline water helps fight cancer.

Dr. Steve Haltiwanger writes, “The body is an electrical machine. Among the electrical properties that cells manifest are the ability to conduct electricity, create electrical fields and function as electrical generators and batteries. The major charge carriers of biological organisms are negatively charged electrons, positively charged hydrogen protons, positively charged sodium, potassium, calcium and magnesium ions and negatively charged anions particularly phosphate ions. The work of Mae Wan Ho and Fritz Popp indicate that cells and tissues also conduct and are linked by electromagnetic phonons and photons (Ho, 1996).”

### **Cellular Voltage (Energy)**

Cellular energy production (ATP production) is a vital component fueling our biological existence. When ATP energy production crashes we end up with cancer. Healthy cellular functions involve production of electrochemical reactions, increased local circulation, and enhanced movement of materials (nutrition and waste products) in and out of the cells. Over extended periods, the cells may become deficient in manufacturing adequate levels of micro electricity via ATP. When this happens chronic conditions usually follow and at the end of the line we face cancer.

Every cell in the body is designed to run between 20 and 25 mV (millivolts) when it is in a healthy state. If a cell becomes injured or is in a state of repair, the body will boost the millivoltage up to 50 mV, which is required to increase circulation bringing in new proteins and removing the waste. This state is often experienced as acute pain because the body is increasing inflammation while the area is being healed.

When cells fall to an unhealthy state, their milli-voltage will drop to 15 mV then even lower to 10 mV or 5 mV; this is what we call a chronic condition. We can resolve the pain or the low voltage of the chronic disease by infusing enough electrons in the area to move the voltage back up to -50 mV so the body can heal itself.

Actually, the usual membrane potential (the electrochemical gradient across the cell membrane) is between -40 and -80 mV, negative in the cell interior relative to the exterior. This electrochemical gradient is used for many purposes, from the firing of nerve cells to proliferation, to a number of other functions. The voltage gradient is maintained by utilizing chemical energy in the form of ATP to pump ions against their concentration gradient. Microcurrent directly feeds into this by dramatically increasing ATP (adenosine triphosphate) production. For us humans ATP is the energy of life.

For most people it is very hard to alkalinize their systems by only modifying their diets. When we discovered that pH is directly tied to voltage, we see that people who do not get well no matter what they do not have is the voltage (energy) to heal. *Healing is Voltage* is a book by Dr. Jerry Tennant and it presents the importance of voltage—its central process in life and medicine.

Adding microcurrent changes electrical fields, modifies the electrical potential of cell membranes and changes intracellular mineral concentrations and cellular energy production by affecting the activity of ionic membrane pumps. [1]

Tennant teaches that disease is always associated with a loss of voltage. Problems resulting from continued drops in voltage include chronic pain, a decrease in oxygen levels, and infections.

Healing demands that we get enough electrons to push the cells back up to a higher energy or healing voltage. Our bodies and cells also need to have enough raw materials (nutrition) to get better. However, nutrition without voltage does not work and obviously voltage without nutrition will get one nowhere.

**Electrons can be obtained from many sources, including:**

- Micro Current Therapy
- Unprocessed foods
- Green leafy vegetables, Spirulina etc.
- Alkaline water
- Sodium Bicarbonate (Baking Soda)
- Sunshine
- Working or standing in soil
- Fresh air, wind, ocean etc.
- Exercise

Grounding (However, [not in the USA, which puts its dirty electricity into the ground](#))

Dr. Steve Haltiwanger, in his book *The Electrical Properties of Cancer Cells* says, “Condition of electron deficiency explains why measures that increase electron availability like magnetized waters, lemon juice, negative ion generators, standing by water falls, standing by the ocean surf, use of electron rich antioxidants, consumption of electron dense foods (fresh vegetables and vegetable juices and essential fatty

acids like fresh flax oil) help some people with chronic degenerative conditions and cancers get better.”

Thus credence is given to nutritional approaches to cancer such as the dietary program advocated by Dr. Max Gerson and Dr. Johanna Budwig. In order for cells to operate and control electromagnetic energy and chemical energy production, the cell membranes, which covers the cells and the membranes of cell organelles like the mitochondria and the nucleus must be healthy. That is why Budwig emphasized intake of quality lipids because they are so important for healthy cell membranes. Essential fatty acids, phospholipids and sterols act as structural components of the cell membrane.

Taking advantage of these resources helps your body to create a pool of electrons. Without electrons, without current, without voltage we are dead so the more charged up the fuller of life we are. Cellular bioenergetics are also enhanced by the use of certain nutrients that help provide structural materials for cell membrane repair and facilitation of mitochondrial enzyme production of ATP.

It is also important to notice that low voltage also means that nutrients cannot cross the cell membrane and wastes cannot leave easily. If the tissues are drowning in waste and cannot utilize vital nutrition, they cannot perform correctly and eventually degrade.

Once voltage is restored to the tissues, the intercellular pump starts working, nutrients enter cells and wastes leave, the cells' pH becomes balanced, the oxygen supply to the tissues improves, and inflammation decreases. In short, you have optimal cell function. It serves healthcare practitioners to know that adding oxygen and increasing alkalinity at the same time insures positive outcomes.