

Cancer -- Understanding It

Cancer is a group of many related diseases. All cancers begin in *cells*, the body's basic unit of life. Cells make up *tissues*, and tissues make up the organs of the body.

Normally, cells grow and divide to form new cells as the body needs them. When cells grow old and die, new cells take their place.

Sometimes this orderly process breaks down. New cells form when the body does not need them, or old cells do not die when they should. These extra cells can form a mass of tissue called a growth or *tumor*.

Cancer spreads in the body through

- Tissues
- Lymph nodes
- Blood

Tumors can be *benign* or *malignant*:

- *Benign tumors* are not cancer. Usually, doctors can remove them. In most cases, benign tumors do not come back after they are removed. Cells from benign tumors do not spread to tissues around them or to other parts of the body. Most important, benign tumors are rarely a threat to life.
- *Malignant tumors* are cancer. They are generally more serious and may be life threatening. Cancer cells can invade and damage nearby tissues and organs. Also, cancer cells can break away from a malignant tumor and enter the bloodstream or *lymphatic system*. That is how cancer cells spread from the original cancer (*primary tumor*) to form new tumors in other organs. The spread of cancer is called *metastasis*.

There are three types of tumor models: the sparse model layer, the dense model layer, and the hollow fiber tumor model. Most of the solid tumors in the body are of the hollow fiber tumor model, with the sparse and dense models being found on the outer layers of the tumor. Studies show that plasma levels of just 200mgs/deciliter (one tenth of a liter) of vitamin C, the cells in the dense and sparse models will destroy them, but hardly touch the hollow fiber tumor model. At 700mgs/deciliter, about 50% to 65% live cells only remain in the hollow fiber tumor model.

Cancer cells are known to be anaerobic, meaning they ferment oxygen rather than burn oxygen. When the level of oxygen that gets into a normal cell becomes too low, or the ATP molecule count gets too low, a normal cell will convert into becoming anaerobic.

A Nobel Prize was awarded for proving that cancer cells are anaerobic, meaning they do not burn glucose, but rather they ferment glucose in order to get their energy.

- *"Over seventy-five years ago Dr. Otto Warburg published a Nobel Prize winning paper describing the environment of the cancer cell. A normal cell undergoes an adverse change when it can no longer take up oxygen to convert glucose into energy by oxidation. In the absence of oxygen the cell reverts to a primitive nutritional program to sustain itself, converting glucose, by fermentation. The lactic acid produced by fermentation lowers the cell pH (acid/alkaline balance) and destroys the ability of DNA and RNA to control cell division... the cancer cells begin to multiply unchecked. The lactic acid simultaneously causes intense local pain and destroys cell enzymes. Therefore, cancer appears as a rapidly growing outer cell mass with a core of dead cells."*

<http://www.cancer-coverup.com/fighters/cesium-science.htm>

In the absence of oxygen, glucose undergoes fermentation to create lactic acid. This causes the cell pH to drop from between 7.3 to 7.2 down to 7 and later to 6.5; in more advanced stages of cancer and in metastases the pH may drop to 6.0 and even 5.7.

Dr. Warburg stated:

- *“But nobody today can say that one does not know what cancer and its prime cause is. On the contrary, **there is no disease whose prime cause is better known**, so that today ignorance is no longer an excuse that one cannot do more about prevention. That prevention of cancer will come there is no doubt, for man wishes to survive. But how long prevention will be avoided depends on how long the prophets of agnosticism will succeed in inhibiting the application of scientific knowledge in the cancer field. **In the meantime, millions of people must die of cancer unnecessarily.**”*

Nobel Prize Winner Otto Warburg in a meeting of Nobel Laureates, June 30, 1966

See: <http://www.alkalizeforhealth.net/Loxygen3.htm>

Nobel Prize Laureate, Dr. Otto Warburg, discovered that when he lowered the oxygen levels of tissues by 35 % for 48 hours normal cells were converted into irreversible cancer cells. Cancer patients have low levels of oxygen in their blood usually around 60 compared to normal values of about 100 by pulse oximetry. The common therapies used to treat cancer (chemotherapy and radiation) both cause drastic falls in the body's oxygen levels. Tissues that are acidotic contain low levels of oxygen whereas tissues that are alkalotic have high levels of oxygen.

In a normal cell glucose and oxygen easily enter the cell and waste products are promptly eliminated from the cell. The cell pH remains in the normal range of 7.35. When the outer lining membranes of the cell are chronically irritated by toxic substances (exposure to carcinogens) this membrane functions abnormally by *failing to permit oxygen to enter the cell while glucose is still able to enter the cell.*

Potassium ions are responsible for the ability of glucose to enter the cell. Potassium enters cancer cells in a normal manner so glucose still enters the cancer cell. Cancer cells have only 1% of the calcium content found in normal healthy cells. The calcium, magnesium and

sodium ions, which are responsible for the intake of oxygen into the cell, can not enter the cancer cell but the potassium ion still enters these cells. Thus we have cancer cells containing glucose but no oxygen.

When oxygen fails to enter the cell the cell's ability to control its pH is lost and the cell becomes quite acidic. This is caused by the appearance of abnormal metabolism (anerobic glycolysis) in which glucose is converted (fermentation) into two particles of lactic acid. This production of lactic acid promptly lowers the pH within the cell to 6.5 or lower. The lactic acid damages the template for proper DNA formation. Messenger RNA is also changed so the ability of the cell to control its growth is lacking. Rapid and uncontrolled cancer cell growth and division occurs. Vitamin C and zinc are able to enhance the uptake of cesium, rubidium, and potassium into cancer cells.

Why current Cancer Surveillance and Therapy Programs have Failed

During our lives we all kill millions of cancer cells unless our immune systems become injured. When clinicians diagnoses a cancer of the lung by chest X-ray, breast cancer by mammogram, or colon cancer by colonoscopy etc., it has already been in the body for 6 to 8 years and *has had ample time to spread to other parts of the body.* This is the reason that the massive program to get annual mammograms in women is a complete failure. The survival rate from breast cancer is the *same for women who have never had a mammogram as for those who obtain annual mammograms (large population studies from Canada and Denmark discovered this).*

Cancer treatment programs are based on the false concept that chemotherapy will kill more tumor cells than healthy cells and thus lead to recovery. The very cells (bone marrow) that enable a human to recover from cancer are damaged by chemotherapy. How could a therapy known to cause cancer (radiation) be able to improve long term survival for very many cancer victims? The statistics show that

no more people are surviving now than 25 years ago. Both chemotherapy and radiation *injure the immune system which is vital for surviving cancer.*

The cancer cartel has no interest in curing cancer *because chemotherapy drugs are an enormously profitable product for the pharmaceutical industry. An important clue proving that there is no sincere interest in curing cancer is provided by the fact that only .5% (one half of one percent) of the dollars spent on cancer research is spent on research directed at stopping the spread^[2] of cancer (metastases). When a cancer fails to spread the patient can live many comfortable years in an uneventful manner.*

All persons are normally killing millions of cancer cells unless their immune system becomes injured. There are at least six things that can injure the immune system:

- *Nutritional Deficiencies* (examples) Inadequate reserves of vitamin C and E can increase the morbidity experienced in surgical ICUs after massive trauma. Lack of selenium increases the risk of developing malignancies, infections and heart disease.
- *Infection* Serious infections can deplete phagocytes, cause coagulation problems, nutritional deficiencies, impaired circulation etc.
- *Exposure to Radiation* Injury to DNA and bone marrow may follow radiation leading to malignant changes in cells and greater opportunity for infections to occur.
- *Toxins* Exposure to unhealthy dietary trans-fats, heavy metals, pesticides, herbicides, chemicals, fluoride etc. Injures the immune system's ability to mobilize a prompt effective response. The lack of dietary essential omega 3 fatty acids is an important cause for immune injury for 90% of U.S. citizens.
- *Stress* When prolonged stress occurs the body steadily releases cortisone that causes suppression of the immune system, death of nerve cells, failure to kill abnormal cells, and risk of infection may increase.

- *Aging* There is diminished ability to activate the immune system as we age. This contributes to the occurrence of malignancies and infections in the elderly.

Have there been any Cures for Cancer?

All health care practitioners who have developed a cure for cancer from Dr. Coley's toxins in 1900 through Dr. Stanislaw Burzinsky's antineoplaston currently have been greeted with vicious opposition, lies in the media if the media even admits the product exists, inability to get information published in mainline journals where physicians could read it, and frequently there is continuing harassment from lawsuits threatening loss of medical licensure. There have been at least a dozen safe cures for cancer down through the past century of health care that have *come and gone without the general public's awareness that they even existed.* The cancer industry is so powerful that television, newspapers, and medical journals subsidized by revenue from pharmaceutical advertisements are generally unwilling to admit that these cures have ever existed. Often fabricated articles are published disparaging the safety and effectiveness of the cure thus frightening the general public away from some natural therapy that could make them well. It is quite difficult for lay people to realize who is giving them the truth.

Using Alkali Therapy to Cure Cancer

Parts of the world that have high levels of strong alkaline minerals in their water have a very low incidence of cancer. The Hopi Indians have water that contains rubidium and potassium while the Hunzas of Northern Pakistan have water high in cesium and potassium. The Hopis and Hunzas do not develop cancer unless they move away from their homeland. Of considerable interest both the Hopis and Hunzas eat apricot kernels on a regular basis (laetrile).

Effective therapies that cure cancer have come and gone frequently since 1900. Alkali therapy for cancer was developed in that era. It worked quite well for cancer but was forgotten when only a few

practitioners heard about it and were willing to face the opposition that the medical establishment directs toward anyone not using conventional methods of therapy. The use of strong alkali provided a permanent cure for many patients.

The most alkaline minerals (cesium, rubidium, potassium) are able to enter cancer cells. The strong alkalinity particularly that of cesium causes the pH within the cell to rise to values of 8 or higher because they affect pH more than the weak acid (lactic acid) within the cancer cell. In the very alkaline state cancer cells can survive for only a few days or less depending on the degree of alkalinity present in the cancer cell. *If many cancer cells die simultaneously the body's ability to process and eliminate the breakdown products of massive cellular death may be overwhelmed causing a "detoxification reaction".* The primary organ involved in detoxification by the body is the liver. Symptoms might include flu like symptoms, headache, nausea, and skin rash. The liver can increase its ability to eliminate toxins by the use of the herb milk thistle which is a good idea during cancer therapy.

Sometimes there is so much malignant tissue dying sinus tracts will appear on the skin. This enables the body to get more of the toxic substances released from dead cells out of the body faster. *Healthy normal cells have normal electrical potential in their cell membranes which allows them to keep cesium out of the cells.*

Cesium capsules can rarely be a cause for perforation of the stomach or small intestine if they become positioned against the wall of either organ. For this reason cesium must always be taken with food and the liquid form of cesium would appear to be safer than a capsule.

One of the conditions observed after cesium therapy was a striking rise in blood uric acid levels. This is caused by massive release of DNA from dead cancer cells. DNA is metabolized into uric acid. Typically the values went from 3.5 mg. to 20 mg. This has the potential to cause decreased kidney function because large amounts of uric acid appearing in kidney tubules can form crystals that block

the tubules. If a large number of kidney tubules become blocked kidney function fails and uremia appears. This is easy to prevent by using the pharmaceutical drug *Xyloprim* (allopurinol) before and concomitantly with cesium so that excessively high values of uric acid do not develop. This might only be needed when 20 or more grams of cesium (high dosage) are being taken daily. *Xyloprim* lowers the blood level of uric acid by shifting the metabolism of proteins so that the body produces less uric acid, thus decreasing the blood levels of uric acid and the amount of uric acid the kidney needs to excrete.

Cancer cells contain a fibrin meshwork 13 to 15 times thicker than the fibrin meshwork surrounding normal cells. This fibrin mesh surrounding cancer cells is believed to play a key role in the ability of cancer cells to escape destruction by making it quite difficult for the killer lymphocytes, phagocytes and cytokines of the immune system to contact and destroy cancer cells. As we age our ability to manufacture enzymes steadily diminishes. The key enzyme component in an effective enzyme preparation is chymotrypsin or serrapeptase both of which increase the body's ability to produce more enzymes. *Enzymatic digestion of this fibrin mesh is an important part of cancer therapy.* The processing of dead cancer cells is also expedited by the digestion of tissue fragments caused by enzyme therapy.

The nature of cancer cells, acidity, is the very thing which cesium chloride addresses!! In terms of pure theory, especially with regards to stopping the spread of cancer, cesium chloride is one of the best cancer treatments.

With repeated treatments, over a period of time, we start to kill the cancer off: the layers on the tumor begin to peel away just like peeling away layers of an onion, until the hollow fiber tumor model is revealed and at this point, the kill rate on these cells lessens, but, the really good news is that the peroxidation causes these cancer cells (in the hollow fiber tumor model) to become apoptotic.

Cancer cells contain great quantities of beta-glucosidase, an enzyme. When beta-glucosidase meets with nitriloside, they create hydrogen cyanide and benzaldehyde. Both are poisons. Since they have been released at the cancer site, they kill the cancer.

Nitriloside rich food include apricot kernels, lima beans, sprouts, lentils, black-eyed peas, walnuts, pecans, brown rice, and black berries just to name a few.

Perhaps no other disease has been better studied and researched. Yet the treatment offered by main stream medicine is pathetically repetitive 'Cut/Burn/Poison' options which most often kill the patient even before the disease actually gets a chance to do so. The ignorance and the arrogance of these practitioners are truly amazing.

Orthomolecular Treatment seems to have the edge over all other types of treatment available. It certainly does not destroy the body and the soul of the patient while it destroys the cancerous cells.