



# THE CASCADE

## A TIMELINE OF CHRONIC DISEASE—PREVENTION TO RESTORING HEALTH

The Cascade<sup>SM</sup> is a chronological explanation of the process of health status from a balanced state to chronic disease and the opportunity for undetectable cellular abnormalities that place one in “The Cascade Timeline” that may lead to the development of a cancerous tumor. In this modern day, the attacks we incur on our bodies through our food, air, water and stress can place us in this timeline easily. Based on the international teachings of Bill Coury, inventor, scientist, researcher and 45 year cancer survivor, this will give you a new understanding about how these conditions form, maintain and thrive in the body, and most importantly, how to return the body to homeostasis.

### The Timeline of Cancer

By definition, cancer is the uncontrolled growth of abnormal cells. The average cancer develops and progresses over a 12 year period. It is speculated that the growing clusters of cells reaches a size that can be discovered as a tumor sometime between years seven and eight. By the time the tumor develops in year 8, there are one billion cancer cells. According to research done in Japan, one billion cancer cells equals one gram of tumor (about the size of a marble).pressure even more. It's a dangerous cycle.

#### Cascade Timeline Graph



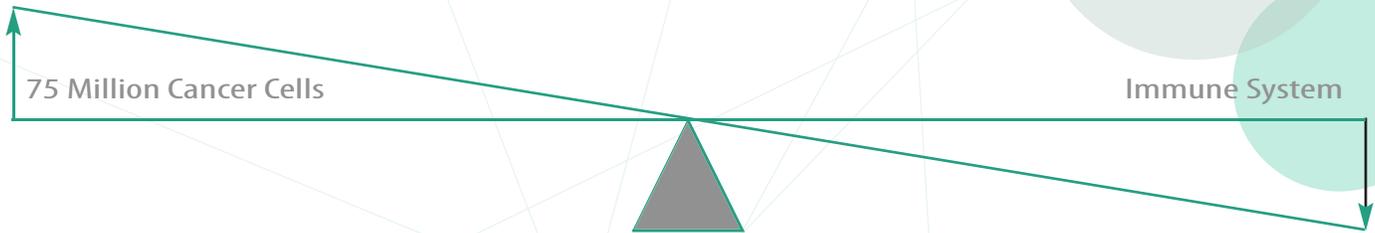
This means, in years 1-7, we may have abnormal cells growing uncontrolled, but they have not reached a level where a significantly sized tumor can be detected by traditional means like a CAT scan.

### Cancer the Disease vs. Cancer the Tumor

We must distinguish . . . What many people do not know is that the presence of cancer cells (onco-cells) is a normal or natural state in everyone's body with 75 million cancer cells being kept in check with a well working immune system. Think of it as a see-saw: if the immune system is suppressed, the number of cancer cells increases and thus begins cancer the disease. Cancer the tumor is a symptom of the disease; they are not synonymous terms.



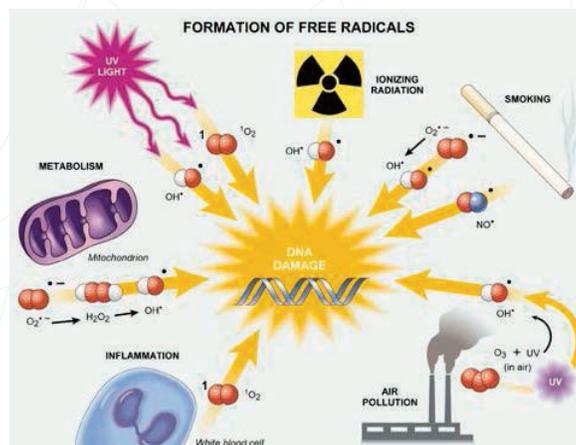
Suppressed immune system → increased cancer cells → cancer the disease → cancer the tumor



## What Depresses the Immune System?

Toxins, such as heavy metals, pesticides, radiation, environmental pollutants and prescription drugs contribute to development of cancer cells by suppressing the immune system. Other stressors that can also significantly impact the cells and immune system include viruses; psychological and emotional stress; sub-optimal nutrition & nutritional imbalances leading to biochemical compromise; improper hygiene & other microbial attacks (bacterial, fungal and parasitic) leading to chronic weakening of the immune system; structural & mechanical stresses leading to compromised circulation, lymphatic movement and neurological regulation; and electro-magnetic fields.

## Role of Mitochondria

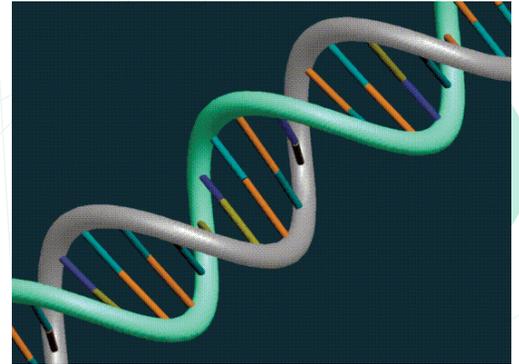


There are 10,000 mitochondria in each cell. Their primary function is to burn nutrients to produce ATP, which produces energy, "the currency of life". The mitochondria produces ATP by combusting the nutrients like an oven. The difference between a healthy cell and a cancer cell is that a healthy cell combusts nutrients in the presence of oxygen for regeneration, while, a cancer cell burns glucose anaerobically (without oxygen) for glycolysis to get energy. Glycolysis is a much less efficient process. This is largely why cancer cells need so much more blood supply and nutrients to make energy and are completely dependent upon sugar as a fuel source. A healthy cell turns into a cancer cell when toxins arrive in the nutrients to be burned in the mitochondria. Toxins cross the cell membrane where the mitochondria then tries to burn the toxins, but it results in incomplete combustion. It is not designed to combust toxins. Therefore, the mitochondria release oxygen as a free radical by-product of this incomplete combustion. Streams of these free radicals are now flowing from all the mitochondria heading to the RNA/DNA and causes damage.



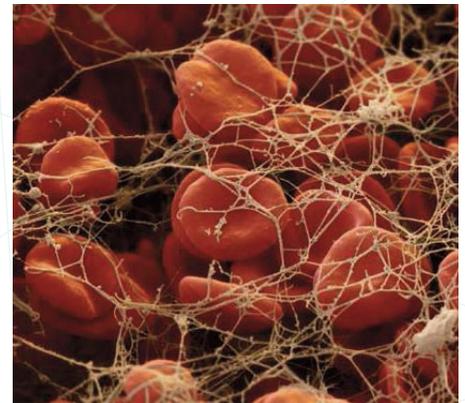
## How Cancer Growth becomes Uncontrolled

The RNA/DNA in its simplest terms looks like a 6-foot long sideways Z. Imagine that you compress this Z to a millionth of a millimeter. On the outside wall of this compressed Z shaped DNA strand are joints where the apoptosis (cell death) switch resides. The oxidative stress (free radicals) resulting from incomplete combustion of toxins keeps hitting the outside wall of the RNA/DNA and finally destroys the apoptosis switch and it stays on forever. The result is uncontrolled growth of the cell.



## How Cancer Hides from the Immune System

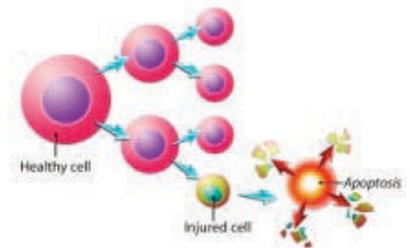
When the immune system is suppressed, it allows the 75 million cancer cells to travel through the connective tissue, collagen and blood giving it the only thing it needs to survive – time. It could be two weeks or two months, but if you give a cancer cell time, it will coat itself 15 times with fibrinogen and phlegm from your blood. This now allows the coated cancer cell to go undetected by the immune system as it is recognized as “self”, not an abnormal cell. The immune system only kills that which is “not self”. This is the first way cancer hides from your immune system.



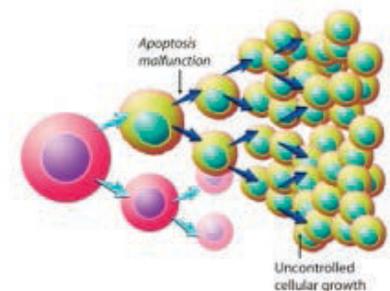
## Creation of Onco-cells

When a normal cell death cycle occurs, one healthy cell dies and two new ones replace it. One cell has an immediate apoptosis (cell division) switch and dies immediately. The other cell becomes an identical replacement of the original cell and lives its normal life cycle. In abnormal apoptosis, where the switch is damaged half way through their death cycle, they start making bad copies of themselves. This creates uncontrolled reproduction of these abnormal cells which have no apoptosis switch. These cells are called oncocells. When the oncocells are born, they enter connective tissue and, normally, the immune system detects it as not belonging and kills it. But when the immune system is suppressed, they have time to coat themselves with fibrinogen and phlegm, and the body does not recognize them as “not self” so it leaves the cells alone. Since the fibrinogen and phlegm are very sticky, the coated cells begin to stick together and form a colony. Normally, the body sees it and says “that’s growing too fast” and the immune system sends out Pac Men, macrophages, to split it up.

### Normal Cell Division



### Cancer Cell Division



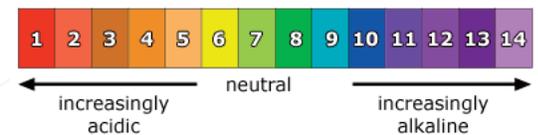


## Role of Progenitor Cryptocides

The reason the macrophages do not attack this formed colony is the second way cancer hides from the immune system – Progenitor Cryptocides. This is a bacterium that is always found in cancer. It is a cancer microbe and member of the streptococcus family. A sac is formed around this community of cells with fluid and bacteria and viruses. In a pregnant female, the fetus and eggs are coated with Human Chorionic Gonadotrophin (HCG), which protects the fetus and “hides” it from immune system attack. Remember, the fetus is “not self”, it is only half of the same RNA/DNA of the mother. Progenitor Cryptocides releases a chemical, which is an absolute lookalike mirror for HCG. To summarize, tumors that form inside the body are in a sac of bacteria that releases a chemical that fools the immune system into thinking that it is “self” and it does not attack it when it grows in size. This HCG-mirrored chemical coats the outside wall of the sac surrounding the colony and hides it from the immune system. You now have a tumor.

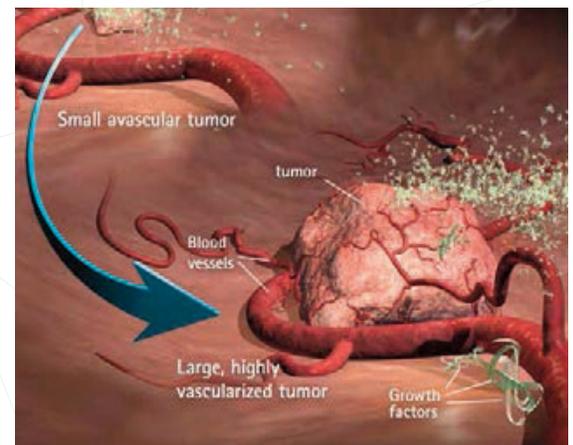
## Role of pH

When blood comes into a cancer cell, glucose combustion occurs, but it also burns up all of the nutrients in the blood and spews debris back into the blood. What is released is the most acidic single particle that exists within the body: Hydrogen plus ions (H+). They have a pH of 2.1–2.4 (normal pH in the body is 6.5 to 7.5). This H+ release makes the microenvironment around the tumor extremely acidic, which causes the healthy neighboring cells to die and become food for the tumor. Cancer cells can only survive in this



## Tumor and Angiogenesis

A tumor is a huge “oven” burning glucose (sugar) from your blood through glycolysis. The cancer cells now look for a smooth muscle wall to attach to in order to get a good blood supply. It drills a little hole through the muscle to the nearest blood vessel. This is the first step in angiogenesis, reaching out to the arteries and veins and pulling in a blood supply to feed the colony. Remember, cancer needs glucose to survive. A healthy cell only has two glucose receptor sites, but an onco-cell has 23 or more. Therefore, the cancer cells are getting all the blood sugar.<sup>3</sup>



## Conclusion

Remember, cancer is a 12 year progression with tumor formation in approximately year eight. The purpose of understanding The Cascade Timeline is to find imbalances and weaknesses in the body during those first seven years BEFORE the growth of a tumor. The body has a much greater chance at returning to a balanced state if the abnormal cells are detected within those first seven years rather than battling a tumorous state. Once a tumor forms in the body, it doubles in size every 90 days for four years. It eventually gets big enough that the total amount of blood being diverted to the tumor causes multiple organ failures. The nutrients are taken out of the blood by the tumor, making it deficient for the rest of the body. There is no cure for cancer. The only cure for cancer is prevention.



## THE PRODUCTS EXPLAINED BELOW PROVIDE SUPPORT FOR THE

DIFFERENT ASPECTS OF THE CASCADE TIMELINE: SPECIFIC SYSTEM SUPPORT FROM NATURA 101-901 FORMULAS NATURA 101-901 are proprietary Chinese herbal formulations and are targeted for each of the different systems of the body. At any given time within The Cascade Timeline, an individual may need support for a specific system that tests imbalanced. Therefore, testing EVERYONE for Natura 101-901 provides a service to your patients in helping to detect these imbalances BEFORE it becomes chronic and more difficult to reverse. It could indicate the presence of a bacterium, inflammation or compromised cellular integrity. This simple step of testing the Natura formulas could prove invaluable in your patient's future health status. Note that the needs can vary dramatically from 1-17 capsules per day dependent upon their place in the timeline.



- Natura 101: Respiratory system including lung, nasopharyngeal, throat and esophagus
- Natura 201: Digestive system including liver, gallbladder, cystic duct, stomach, intestines and pancreas
- Natura 301: Urinary system including kidney, penis, cervix and bladder
- Natura 401: Ductless glands including breast, prostate, ovary, testis, thyroid and adrenal
- Natura 501: Blood system
- Natura 601: Lymphatic system
- Natura 701: Motor system including bone, muscle, skin
- Natura 801: Central Nervous system including brain, spinal cord and nerves
- Natura 901: All Systems Tumor Regression

**NATURA 101-901** were developed by Asia's most respected cancer physician, Dr. Huang Chuan Gui. Dr. Huang's family has made Chinese herbal medicines for cancer for more than 1,000 years in more than 100 countries on over 500,000 patients. Over 4,000 cases of patients in China were clinically analyzed where the efficacy was tracked resulting in an average effectiveness rate of 83.5%. (Analysis's available upon request.)

### SUPPORT AND INCREASE IMMUNE SYSTEM FUNCTION

All of us have 75 million cancer cells in our body at any given time, which are kept in check by a well working immune system. Think of it as a see-saw: if the immune system is depressed, the number of cancer cells increases.



**NONI** (*Morinda Citrifolia*) increases NK (natural killer) cell production as well as having many other properties (such as anti-inflammatory, analgesic, detoxification, immune support and increasing energy & sense of well-being). Noni also helps with new cell generation.

**ECOMER** is an alkylglycerol formula derived from specially processed shark liver oil. It has 37 clinical trials over 50 years of data. Ecomer supports the immune system by regulating the white blood count, red blood count, platelets and antibodies in the blood. Ecomer also detoxifies mercury by encapsulating it throughout the body, carrying it through the kidneys with no damage and is excreted in the urine.

### DETOXIFICATION INSIDE AND OUTSIDE OF CELLS

When toxins cross the cell's membrane, the mitochondria tries to burn the toxins, but gets incomplete combustion. Debris builds up in the cells.

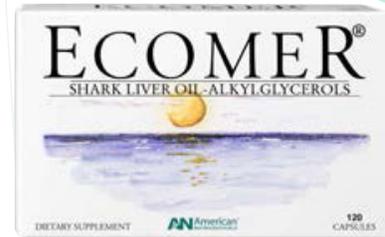
**ESSENTIAL DETOX** aids in the assimilation of nutrients and excretion of toxins. This Tibetan herbal formula is a powerful daily detoxifier of heavy metals, parasites and environmental pollutants. It has also been shown extremely effective as an anti-viral.

**SOD SUPPORT** naturally increases your production of SOD (super oxide dismutase). SOD is an antioxidant our bodies make and acts as the intracellular "garbage man", enabling the body to dump toxins from within the cell. SOD also increases energy and boosts the immune system.

### ANTIOXIDANT TO PREVENT CELLULAR DAMAGE AND BAD REPLICATION

Before oxidation damages the RNA/DNA apoptosis switch and starts to make "bad copies" of itself, you need to increase antioxidant activity at the cellular level.

**VITALITY C** is a Vitamin C powder that has a neutral pH and can be taken in high doses without stomach upset. Vitamin C is a powerful antioxidant to protect cellular damage. Vitality C contains 4 Grams of Vitamin C and 2 Grams of GMS-Ribose Complex per teaspoon. It also utilizes four unique uptake pathways to allow for superior assimilation.





## REMOVE FIBRIN IN BLOOD AND STRIP CANCER CELLS

When the immune system is suppressed, a cancer cell will coat itself with fibrinogen and phlegm. If a cancer cell is given time to coat itself, your immune system sees it as “self” and bypasses the destruction that would normally occur.

**NUTRIZYME** is a proteolytic enzyme formula capable of stripping the fibrin coating from the cancer cell and thus “unmasking” and allowing its detection by the normal immune system response to attack. Nutrizyme has a double enteric coating so it will not be broken down in the stomach as it has added anti-carcinogens (Venus Fly Trap and Shiitake Mushroom) to aid the immune system.



## CELL DEATH THROUGH PRODUCTION OF HYDROGEN PEROXIDE

A tumor is a huge oven burning glucose (glycolysis). The cancer cells need that sugar from your blood. Remember, cancer cells have 23 or more receptor sites for glucose, while a normal healthy

**VITALITY C** vitamin C powder has a glucose factor attached to it, which causes cancer cells to love this molecule and suck it into their cell. Because of the absence of catalase, it breaks down the hydrogen plus ions into hydrogen peroxide and causes cancer cell death from the inside.



## SHIFT THE MICROCELLULAR ENVIRONMENT PH TO ALKALINE

When glucose is combusted inside the tumor, hydrogen plus ions (H+) are released. They are the most acidic single particle that exists within the body. It produces such as acidic environment that all of the neighboring healthy cells surrounding the tumor die. Tumors only survive in this acidic

**PH BALANCER PLUS** shifts the body’s pH from the acidic to an alkaline environment using Cesium Chloride (Ce) and Rubidium Chloride (Rb). The hydrogen ions released from the tumor attach to the Ce and Rb and are excreted in the urine. Alkalinizing has to be done at the cellular level, not just in the saliva and urine. This then creates an alkaline environment that not only allows the neighboring healthy cells to survive, but, more importantly, that the cancer cells cannot survive.



## STOP BLOOD SUPPLY TO TUMOR (ANTI-ANGIOGENESIS)

In angiogenesis, the cancer cells reach out to arteries and veins to pull in a blood supply for the colony. Remember, the cancer cells/tumor needs the glucose (sugar) in our blood in order to live.

**V-STATIN** is a natural product from bind weed that aids in cutting off the blood supply to tumors.





**Note: This document is intended for health professionals only and is for educational and research purposes. The statements have not been evaluated by the Food and Drug Administration. We make no recommendations for treatment or diagnosis.**

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