

The “Missing Links” in Cancer Treatments

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There are two types of “players” in cancer treatment:

- Those carrying out regulator approved therapies including surgery, chemotherapy, radiation therapy, immunotherapy and similar therapies. Let’s call them the *Cancer Industry*.
- A much, much smaller group who carry out treatments which attack the underlying factors which cause cancer growth. They also may carry out treatments not (yet) approved by regulators.

These classes of treatments are minimally used by the Cancer Industry. Let’s call these treatments **the *Missing Links***.

Surgery guidelines

As a very rough guide:

- 50 % of the time surgery completely removes the cancer and the patient is typically “cured” for about 20 years
- 25 % of the time. There is no evidence of remaining cancer, but in fact there is remaining cancer. The cancer will recur and patients seeking long-term survival require Missing Links treatments. The problem here is that patients won’t know they have remaining cancer until the first recurrence. Patients can get some guidance from cancer statistics. Surgery, for example, for pancreatic and lung cancer is usually unsuccessful in curing cancer. Surgery for skin and breast cancers usually is successful.
- 25 % of the time. There is evidence of cancer remaining after surgery. The cancer will recur and the patients also require Missing Links treatments. These treatments should start ASAP after surgery.

Treatment for cancer is an up to three step process

1. Treat any acute problems
2. Safely minimize the damage caused by the cancer
3. Attack the underlying conditions which promote cancer growth.

Treat acute problems

These could be blockages caused by tumors impinging on vital structures such as the bowel. The patient may require emergency surgery. The Cancer Industry is likely to effectively handle these problems.

Minimize the damage

Absolutely the best treatment is to surgically remove the (single) tumor. Successful surgery results in the patient being free from this cancer for a very long time- often for about 20 years. Surgery provides long-term survival for about half of the people receiving it. Chemotherapy is effective particularly for non-solid tumors and for a few rare solid tumors. Side effects from high dose treatment can be severe, permanent and sometimes fatal. Radiation is sometimes effective with small local tumors. Side effects with high dose radiation can also be severe and permanent. Note that people who have had cancer are at increased risk of suffering from a recurrence of the current cancer and of another cancer.

The net effect is that conventional cancer treatment will result in long-term survival with early stage cancer when surgery removes all cancer and when the patient has a cancer where non-surgical treatment is effective.

This adds up to the Cancer Industry providing long-term survival for modestly over 50 % of patients.

The “Missing Links”

When conventional treatment fails, these therapies are the best option for seeking long-term survival.

There are two classes of treatment:

□ Therapies which attack the underlying factors which promote cancer growth. There are many such therapies, ranging from supplementing with vitamin D to correcting pancreatic enzyme deficiency.

Common sense suggests that a cancer which keeps growing is sooner or later going to overwhelm conventional treatment. The winning strategy is therefore to slow down or stop the body from generating more cancer. These treatments may be required for long-term use, which excludes the use of toxic treatments.

□ Therapies not (yet) approved by regulators. It may take perhaps 15 years and many millions of dollars to get a new therapy past the regulators. A new therapy announced today is most unlikely to be available within the lifetime of people with metastatic cancer.

New therapies might be available in countries such as Mexico with less restrictive regulation than in the USA, Europe and similar countries.

They might also be accessed as “off label” uses of a product sold for other purposes. For example, the anti-histamine drug Cimetidine is also a very useful cancer drug.

Oncologists do not use unapproved therapies. They are not allowed to. Those that do may lose their licence and perhaps be criminally prosecuted.

Nor do they make much effort to attack the factors which promote cancer growth. Some may suggest strategies such as eating a “good” diet and treating vitamin D deficiency. Both are good ideas, but usually not nearly enough to make a big difference to outcomes.

Note also that if the cancer hasn't been "cured" as described above, then the cancer is a chronic disease. Chronic diseases require chronic treatment i.e. they need to be attacked indefinitely and ideally every day ¹

The Ames "Missing Link" Protocols

Dr Ames has long experience providing "**Missing Link**" treatments within the limitations of the U.S. regulatory system. Now based in Mexico, he has the freedom to provide more of these treatments. Both authors spend a lot of time evaluating new treatments and consulting with knowledgeable colleagues. We are expert in these "Missing Link" treatments. These include:

□ *Therapies attacking the underlying causes of cancer growth*

Examples

Urine Therapy and Urine Fasting

Orgone Accumulators according to Wilhelm Reich, M.D.

The CC cream

Pancreatic rectal proenzymes

Intravenous Vitamin C at 200 grams a day

Intravenous ozone

Approximately 4 liters of distilled water daily

Wm Hoff Breathing

Broad based correction of inadequate nutrition

Correction of specific nutritional deficiencies such as vitamin D, magnesium, zinc and selenium

CBD and THC (oral)

Elimination of toxic heavy metals such as mercury and cadmium.

Elimination of poison chemicals

Anti-cancer nutrients such as curcumin and olive oil.

Immune stimulants such as 1,3 1,6 beta glucans (ideally starting the day after diagnosis)

A low-moderate protein ketogenic diet having a ratio of 1 part protein, 3.5 parts fat, and 0.3 part carbohydrate (real olive oil being the primary oil)

Other helpful treatments such as exercise and stress reduction

Oxygenation therapies. These treat inadequate supply-a "nutritional" deficiency. They are based on the research of Otto Warburg ², Nobel Prize winner in Physiology in 1931. He concluded that cancer grows well in poorly oxygenated tissues, so improved oxygenation will inhibit cancer growth. More recently, Thomas Seyfried has reached the same conclusion. This includes ozone therapy, which converts to oxygen in the body. Additional oxygen supply from breathing exercises such as yoga, Buteyko breathing and Wim Hof breathing. Also hyperbaric oxygen therapy (HBO). In our view, Hof breathing and HBO are the best. HBO is inconvenient and modestly expensive. Hof breathing costs no money but takes about 15 minutes per day to do the exercise. One of us (DM) has experienced extraordinary health benefits with Hof breathing. This must translate into improved cancer outcomes.

□ *Unapproved therapies (which may ultimately be approved)*

¹ For example, take eye drops every day for glaucoma, take insulin for Type 2 diabetes, etc.

² Find both Warburg and Seyfried on Google and Google Scholar

Examples

Pancreatic proenzymes, with their excellent 100+ year track record.

Avemar. A fermented wheat germ product with an outstanding record for slowing cancer growth

Cimetidine to minimize the probability of circulating tumor cells attaching to artery walls and subsequently forming metastases (start treatment before surgery)

Summary of treatment choices

Table 1 lists treatment goals and preferred treatments for achieving them. Bear in mind that these are very broad generalizations and that *cancer treatments have a wide range of outcomes*. The best results from a low quality treatment may sometimes outperform the worst results from a high quality treatment.

A further confusing factor is *survivorship bias*. If a treatment is effective with, for example, one patient in six, you may well meet the patient who received effective treatment. You are less likely to meet those whose treatment didn't work. You may well falsely conclude that this treatment and/or the treating doctor are a good choice for you.

For example, chemotherapy reputedly extends life, on average, by about 15 %. The best we have seen is about 300 % extra life, the worst about 70 % less life.

A last word

The same general approach is applicable to many other chronic illnesses. There are "Missing Link" treatments for dementia, heart disease, multiple sclerosis and doubtless many other diseases.

Herein is a document explaining the CC cream.

The Cancer Cell (CC) Formula

The Cancer Cell (CC) Formula is an experimental treatment which is currently being researched on cancer, infectious and other diseases. This technology targets cells which do not follow the Krebs metabolic cycle by delivering a lethal dose of minerals (zinc and copper) to those cells. Because cancer cells follow an anaerobic, non-Krebs metabolism, it is predicted to target cancer cells precisely. Normal, healthy cells which follow the Krebs cycle should absorb the minerals that they need and reject the rest. Because bacteria and fungi follow non-Krebs metabolic cycles, the product may also be capable of treating a variety of infections.

The formulation uses highly bioavailable cations through inorganic coordination complexes formed by the coordinate bond formation between an electropositive mineral cation and molecular groups that pose unshared electron pairs. A salicylic acid preparation can enhance transport of free zinc and copper ions systemically through tissue via an artificial superoxide dismutase (SOD) radical.

A topical version has been tested on over 100 volunteer subjects during eight years of informal trials on a variety of diseases. Results reported have been extremely positive. Cancer patients using the topical formulation reported that dead cancer cells were excreted by the body via the skin, stool, or urine. Although many experienced pain and other effects, subjects reported that the effects ended upon conclusion of the treatment. The treatment has also been tested on MRSA and ALS patients with promising results. The product is currently undergoing additional pre-clinical doctor-supervised case studies on several types of diseases.

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The Science

The Krebs cycle, also known as the citric acid cycle or the tricarboxylic acid cycle (TCA cycle), describes the metabolic pathways of the higher-order plants and animals in which available fuels, oxygen, water, and other essentials to life are utilized in an aerobic mode. The metabolic system is a well-documented and familiar process involving the basic steps to produce a “higher” form of life. The protection provided by at least 32 steps in the process provides a system that protects the oxygen-driven plants and animals.

Lower-order organisms are not near as complex in their metabolic pathways as higher-order organisms such as a tree or a human. The cycle followed by organisms such as bacteria and fungi, as well as certain diseased cells in higher-order life forms, follow a less complicated process that allows the disease to multiply at an almost exponential rate in an anaerobic cycle that has far fewer steps. The unique metabolic cycle of cancer cells and their ravenous appetite was first observed by Warburg¹. The disease utilizes all available minerals, sugars, fats, and proteins to fuel the reproduction of cells using the abbreviated anaerobic cycle. The higher the rate of replication, the less oxygen is available for healthy tissues surrounding the disease. Reduced oxygen aids in the fermentation process that is part of the favorable conditions required for the exponential growth of cells and organisms employing the anaerobic cycle, including infections and abnormal cells.

The CC Formula exploits a flaw in the exponential expansion mechanism of the disease organism. Specifically, it exploits the mineral-gathering mechanism of the organism against itself². Lower orders of disease organisms gather the necessary minerals and other building blocks in an amount proportional to their availability in the environment. This differs from the metabolic processes of higher organisms that only gather enough of the elements and building blocks to satisfy the requirements of the Krebs cycle.

Higher organisms will only incorporate minerals and other nutrients at a rate necessary for survival, while lower organisms and certain diseased cells will accumulate minerals in an amount that is toxic. Therefore, providing a high concentration of ionic minerals to a disease area could result in a toxic level of the mineral to disease organisms and allow survival of higher organisms so long as the dosage rate of the ionic minerals is below the toxic level for the higher organism.

The CC Formula uses highly bio-available ionic minerals at a rate that will kill the lower organism without impairing the function of the higher organism. This formulation transports all the minerals systemically to a plant, animal, or human with assistance of an artificial superoxide dismutase (SOD) carrier. The artificial SOD carrier causes the disease-causing cell or organism to uptake an amount of ionic mineral that is toxic which results in death of the disease cell or organism. Additionally, many diseases follow an anaerobic fermentation process which oxygen will impair thereby suggesting a secondary mechanism for destroying the disease. The CC Formula also contains sulfur which may further aid in destroying disease and relief of pain. However, the prime mode of action is the uptake of minerals in a highly biologically available formulation.

The general principle of the CC Formula is rapid entry into the aerobic biological system of a plant or animal using a mineral complex carrier in an ionic form which penetrates and migrates toward an anaerobic disease system if present. The product is capable of penetrating the barrier zone between the aerobic and anaerobic tissues if the disease is internal. Other mineral formulations are not as bioavailable, being unable to pass through cellular tissues as easily as the CC Formula. The unique quality of the formulation is thus its penetration of the membrane and the movement of large amounts of ionic minerals into the disease area.

Diseases have three vulnerable sites that can be attacked by treatment:

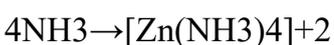
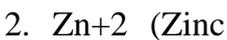
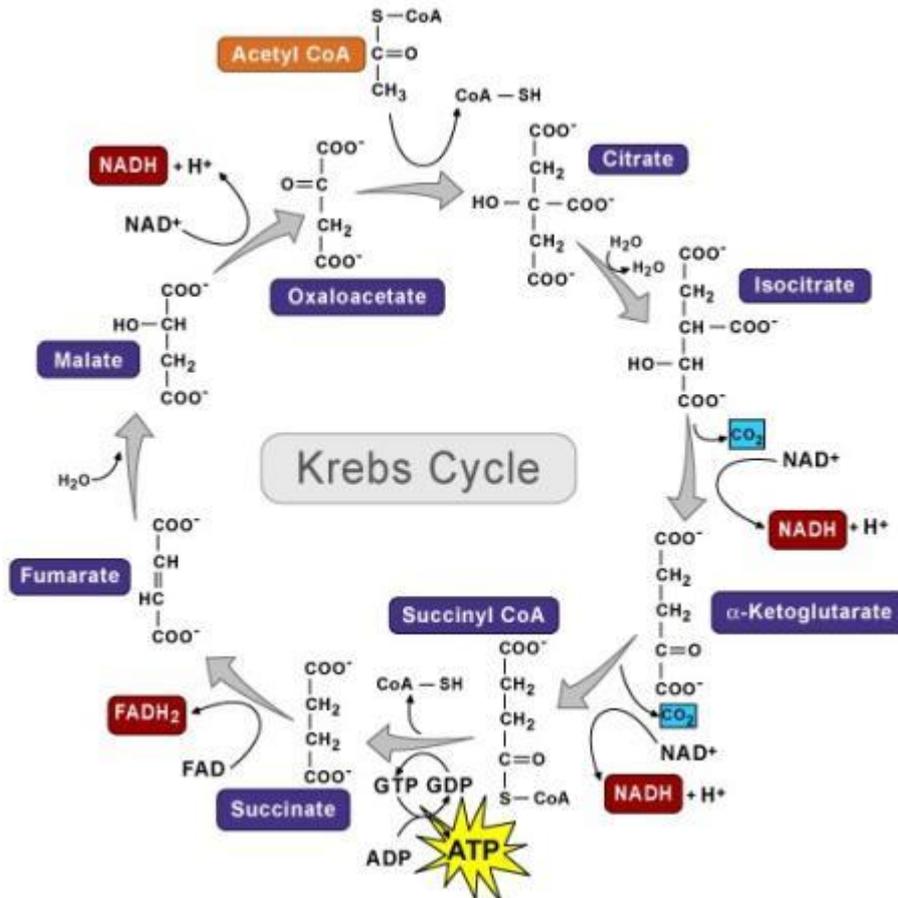
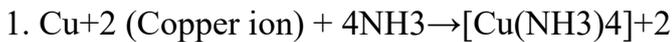
1. Penetrating the outer membrane of the disease,
2. Destroying the internal components that drive the cells metabolism, and
3. Destroying the gene pool that may provide a future defense (resistance) against the introduced substance.

Minerals that are not in the bioavailable form will not be able to eliminate or otherwise disable the disease cells because the minerals cannot pass through the membrane coating the outer surface of the disease cells and/or cannot travel in an extracellular fashion. The bioavailable minerals will attack all of the vulnerable targets in the disease cells because of the systemic capabilities of the formulation. When using the bioavailable formulation, the cell membrane should be easily transversed and possibly ruptured, the inner cell compromised because of the Krebs cycle (aerobic vs. anaerobic) as described above, and the genetic code of the disease cell destroyed by apoptosis. There should be no further deviations from the genetic code to produce new strains that may be resistant to the CC Formula. In fact, there are no known resistances to plant and/or animal disease when the primary source of the product being used is a mineral.

Complex Ion Formation of Mineral Complex Bonds

The complex ions and inorganic coordination complexes are formed by the coordinate bond formation between an electropositive mineral cation (positive) and molecular groups that possess unshared electron pairs (ammonia). Every metal ion has at least one coordination sphere which determines the number of coordinate bonds possible for each mineral atom. The coordinate bonds attract negatively charged ions possessing unshared electron pairs. All cations except those in periodic table Groups IA and IIA exist as complex cations with a definite number of coordinating groups bound to them. The cations use the unshared pair in attempting to fill gaps in the outer electron orbitals where those electron shells are incomplete. The bonds formed between the cation and the unshared pair of electrons are mineral complex bonds.

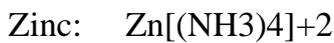
An exemplary compound can be produced as a result of the acid-base reaction when sulfuric acid is combined with ammonia sulfate is ammonia (NH₃). Ammonia is one of the compounds having an unshared pair of electrons that enables mineral complex bond formation between itself and the free cation in solution. The nitrogen atom includes an unshared pair of electrons. Ammonia is very reactive in mineral complex bonding due to its respectively small size, and the unshared pair of electrons. The two hydrogen atoms cannot equalize the charge due to repulsion between the electron pair making ammonia polar. Therefore, for example, ammonia may enter into the following two complexes:



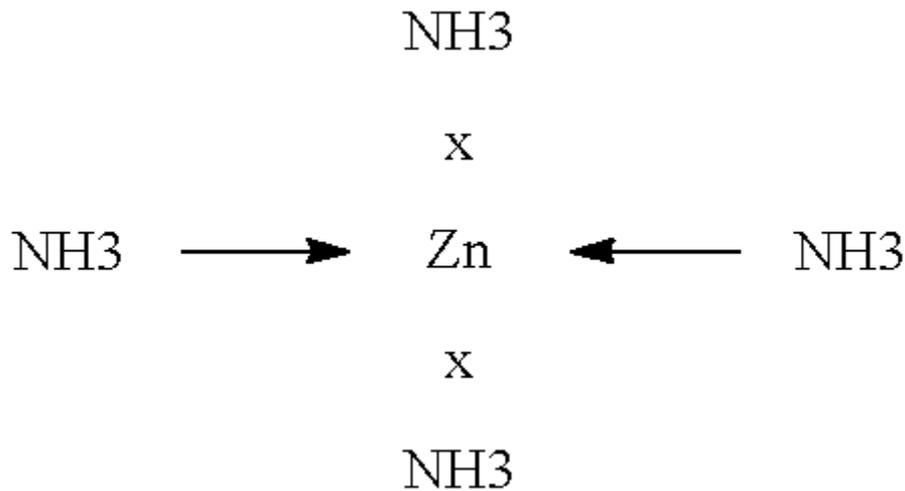
The number of ammonia molecules is double the metallic ion valence, and the valence charge does not change. The unshared pair of electrons forms the mineral complex bonds, the complex system supplying both the unshared electrons. The resulting compound is a plurality of ammonia molecules bonded to a single molecule of ionic mineral forming an encapsulated mineral surrounded by ammonia “mineral complex bonds.” This molecular diagram is shown for purpose of example only and the zinc cation may be substituted by any of the cation ions.

Compounds, including ammonia encapsulating a bioactive mineral cation, is hereinafter referred to as a “mineral complex system.” Additionally, urea may be included in the formulation resulting in mineral complex bonding of the cations with the urea. In this composition, the bioavailable minerals could be formulated with the urea producing a cream containing higher than anticipated mineral content than is normally expected in the formulations.

Examples of the mineral complex compounds are:



As another example, in aqueous solutions without complexing agents, cobalt+2 is the favored state. In the presence of complexing agents such as ammonia, NH_3 , complexes of cobalt+3 have greater stability and are more stable in basic media than acid media. Additionally, compound bonding is



conductive to maintain the abundance of hydrogen ions. The resulting solution has a very low pH reading (at or near zero) because of the combined bonded mineral ions. The CC Formula does not act as a conventional acid because of the stability of the mixture. The pH of the products is not indicative of the expected acid characteristics one might imagine at a pH of 1.0 or below. The solution can only be reduced by non-heat evaporation to a certain volume.

The efficiency of the CC Formula is in direct relation to the amount of free zinc ions. The complex ion and/or inorganic coordination complexes using zinc is prepared by combining and agitating zinc sulfate ($ZnSO_4$) with a mixture of ammonium hydrogen sulfate (NH_4HSO_4) and water. The result is a zinc mineral complex system that has the ability to penetrate through cell membranes without being blocked. The complex has a strong positive charge and is readily accepted into the cell.

Other products containing zinc only produce a limited amount of ionic zinc. Zinc oxide, for example, releases zinc ions depending on the acidity of the product. Zinc sulphate has a weaker bonding structure than does zinc oxide. It generates complex cations and inorganic coordination complexes which allow the ions to act independently without a counter-balance at a cell membrane and can be translocated throughout the body, passing through healthy cells with no effect. Without being processed properly, zinc sulphate will be rejected at the cell membrane and only a small amount of zinc ions will enter the cell, making this method highly ineffective.

The CC Formula uses zinc and copper in a 7:2 ratio. This active ingredient complex can be mixed in a topic cream base which does not interfere with the acidity of the product. Other means of delivering the active ingredients are being researched.

Secondary Active Complex

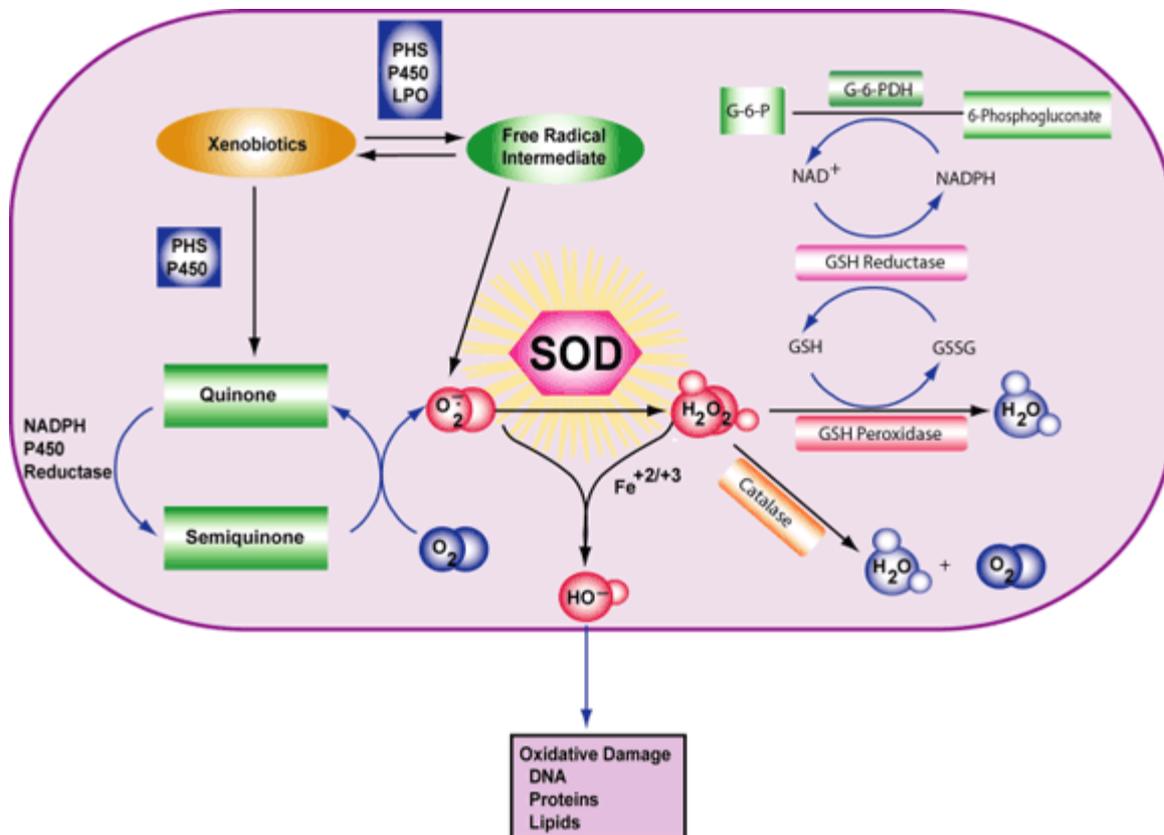
The formulation includes a high level of sulfur which functions as a secondary active complex. This complex can operate synergistically with the mineral complex by accelerating the treatment of the affected cells. The high level of free sulfur can be transported to various locations and may speed reconstitution of damaged tissue affected by the disease. Sulfur is a non-metallic acidic mineral usually consumed as part of a larger compound (zinc, copper, etc.) and is not usually expressed as an aid to the mitigation of disease. However, the benefits of sulfur are well known and the formulation that combines a high-sulfur content (NH_4HSO_4) base with the minerals with radicals that contain sulfur (zinc sulfate, etc.) will provide an abundance of free sulfur that may accumulate in those regions of the human body that require attention. The preferred mineral radical would be a sulfate for that reason but is not necessary for the success of the free sulfur. The benefits of sulfur include boosting the immune system and providing pain relief to targeted cells. The mechanism by which free sulfur produced in this mixture operate similarly to the operative mode of glucosamine sulfate, chondroitin sulfate, and methylsulfonylmethane (MSM).

Superoxide Dismutase (SOD)

Superoxide dismutases (SOD) are essential enzymes that eliminate superoxide radical (O_2^-) and thus protect cells from damage induced by free radicals. The active O_2^- production and low SOD activity in cancer cells may render the malignant cells highly dependent on SOD for survival and sensitive to inhibition of SOD.

The

CC



Formula also contains a mineral complex of ammonia ligands in combination with the zinc and copper forming a Super Oxide Dismutase (SOD) that is a highly effective anti-inflammatory agent and has strong antiviral properties. SOD is an oxygen scavenger that may be effective in renewing tissue damaged by disease, mechanical damage such as cuts, and may even be effective against radiation damage by the Sun. Our artificial SOD has a relatively low molecular weight compared to natural SOD's, which should increase its bioavailability.

A deficiency of cytochrome oxidase is a metabolic defect of cancer cells that causes a blockage of cellular respiration or oxidative energy production. Bioavailable copper and a SOD make copper and zinc available to the cytochrome oxide enzyme that is copper dependent. The process can be exemplified using salicylic acid in the formulation and produce an effect similar to the use of an aspirin to relieve pain where the salicylate combines with the available copper and that residing in the stomach lining and transported to the site of the pain.

The CC Formula, with its bioavailable Cu/Zn SOD, counteracts the effects of overproduction of superoxide by utilizing a mineral complex system which can permeate into the affected tissues and countering of the overproduction of superoxide. A Cu/Zn superoxide dismutase (SOD) is used that neutralizes the debilitating effects suffered by individuals that are producing excessive superoxide causing the symptoms of neural disorders, suggesting that its effects on ALS3 and similar diseases. A patent addressing that particular disease has been submitted. SOD is also known as an anti-inflammatory treatment for traumas it is considered over 3000 times stronger than vitamin C as a nutrient. Thus, a key attribute of the CC Formula is not only its ionic minerals but its SOD, both highly bioavailable.

Mode of Action

As described above, the CC Formula uses ionic mineral complexes that are predicted to be capable of penetrating tissue, benefiting normal cells, and destroying diseased or mutant cells. A Superoxide

Dismutase (SOD) carrier provides for extracellular transport of the ionic minerals systemically throughout the region of topical application. The method of action on disease described herein stems from both the scientific theory (section above) and test results (section below).

The ionic mineral complexes are believed capable of penetrating cell membranes at a rapid pace. The formulation thus may present highly bioavailable minerals to cells. The minerals should be blocked from excess absorption by normal cells following the Krebs cycle, which will not allow entry of an abnormally high concentration of minerals. Instead, the excess minerals should travel through the cells without disrupting normal cell functions. Cells which do not follow the Krebs cycle do not have the regulatory capabilities of the Krebs cycle. These non-normal cells receive an overload of minerals, resulting in mineral toxicity. The process of destruction of the diseased and other non-normal cells is in some cases may be aided by the added effect of oxidation of the anaerobic disease fermentation process. Once the targeted cells die, testing has observed that the body's natural capabilities expel the dead cells through the skin, urine, or feces.

Another mode of action is the effect of the ionic mineral complex on bacteria or other pathogens or saprophytic organisms that surround and act to encapsulate a disease region such as a tumor. Tumors are typically surrounded by a sheath containing the disease (including cancer), immune system cells, bacteria, viruses, and/or other organisms. High numbers of bacteria, etc. have been identified in the protective membrane and may be responsible for the membrane's existence. The bioavailable ionic mineral complexes in the CC Formula are predicted to have antimicrobial properties and be able to freely move among and through cells. These complexes may thus be capable of reaching the interface between the healthy and diseased tissues and destroying the organisms that exist in the protective membrane.

Cancer is typically not recognized as a threat by the immune system of the body. The composition exposes the cancer as a foreign body to the immune system which attacks the cancer, activates the immune response, and causing the body to destroy the cancer and/or expel and/or absorb the cancer. Additionally, in animals without an immune system, the composition will not be able to promote immune response. However, the formulation may have cytotoxic effects that may kill the cancer in immune-resistant hosts.

We believe that building a strong immune system to fight off diseases and an immune system that is challenged by disease will improve effectiveness of the CC Formula. It is important that the proper vitamin, minerals and other support directed at building an immune response be pursued. We also believe that the use of botanicals will support the treatment via use of complementary modes of action.

In summary, when the mineral complex system is introduced into a cell, we predict that the minerals will dissociate from the complex and be highly bioavailable to the cell. These minerals are predicted to kill the cancer, bacteria, and fungi cells through the different modes of action causing degradation of the growth and death of the cancer cells, much like antibodies do to any foreign body during an immune response. Other aids to building the immune response and botanicals can be of assistance in treating the diseases.

Testing

The CC Treatment is considered experimental and has not undergone formal clinical trials. However, there have been extensive informal tests by volunteers on the treatment, as described below. Formal testing on the treatment has been limited. The topical formulation has undergone successful skin

irritation testing⁴ and is currently being laboratory tested against a number of pathogens. The product is also currently being tested by doctors in case studies in several countries as a form of pre-clinical trials on a number of diseases such as skin cancer and MRSA. One physician plans to test an injectable formulation, which might allow a higher rate of effects on internal tumors than is achieved via topical application.

Based on the results of these pre-clinical case studies, it is expected that the topical formulation may enter clinical trials for targeted diseases. Other limited-claim pathways to early markets, such as a disinfectant, are being explored.

Past Testing

The CC formula has gone through years of development, starting with various animals over eight years ago. Over the years of testing and reformulation, numerous informal human studies have shown remarkable successes.

In studies performed using this composition, the bioavailable minerals appeared to have penetrated the sheath which surrounds malignant tumors, destroyed the bacteria, and dissolved the sheath in addition to killing the tumor. This was evidenced in several case studies by rejection of entire tumors from the body in a sheath-like mass which was transported from an internal area of the body through the epidermis. In other cases, patients reported white streaks in their stool and/or white specks in urine, which are hypothesized to be dead cancer cells being expelled.

From studies conducted to date, an area will react to this treatment according to the type of lesion present. Cancer will be detected when a strong reaction takes place at the suspect site. No pronounced reaction will take place if the lesion is not cancerous. If cancer is present, the reaction will be pronounced, with swelling and redness in the area or white cloudy material in urine and/or stools. Tumors may be transported to the surface dead with a bluish color indicative of Cu/Zn abundance. A red rash indicates additional cancer cell being transported. Black scabs and nodules that are typical of toxins indicate their transport to the surface. The swelling and redness will persist, and the skin may develop a boil that may break and be absorbed into the body. Pain may be experienced by patients, particularly when tumors are expelled via the skin. The process from treatment to the final disappearance may take from anywhere from 10 days to several months depending on the location and stage of the tumor and the health of the patient. In nearly all case studies, at the conclusion of treatment, all locations became cancer-free and the skin healed with minimal scarring.

The treatment has also been able to detect locations of skin cancer in some patients. After application of the topical formulation to a known skin cancer location, other locations of previously unknown skin cancer began to present.

Data and public patient testimonials from some of the past testing are available at:

<http://www.cancer-cell-treatment.com/en/testimonials>

Because the CC Treatment has not been approved by any nation's FDA as a pharmaceutical, the product is only available on a limited basis without any medical claims in several countries. Meanwhile, the manufacturer and distributor are exploring regulatory pathways including potential clinical trials in the US and internationally.

Summary

The CC Formula is an experimental product which transports highly bioavailable zinc and copper ions systemically. It is hypothesized that these ions will kill cells, including non-normal cells, bacteria, fungi, and viral cells which do not follow the Krebs metabolic cycle, through a mineral overdose. It is also hypothesized that it will leave unaffected or enhanced those healthy cells which strictly follow the Krebs cycle. Cancer cells, being anaerobic, do not follow the Krebs cycle, nor do most infectious pathogens.

The CC Treatment formulated as a topical cream has undergone informal studies with remarkable success on skin cancer, internal cancer, MRSA, and several other diseases on plants, animals and humans. Currently with international patent filings in place, the CC Formula is now moving into more formal preclinical testing and case studies.

Many in the biopharma industry have discovered immunotherapy technologies which have yielded several compounds that hold promise for cancer sufferers. However, we believe that this potential solution offers a delivery system, non-invasive characteristics, and mode of actions which may eliminate the non-functioning cells associated with many serious diseases.

Appendix 1 - Treatment Protocol

This section provides information for physicians and researchers who are testing the product.

Phases and Duration of Treatment

The length of treatment depends widely on the location and severity of the condition and the strength of the immune system. Phases of the treatment can be considered as follows:

Phase 1) Initial treatment without any reactions (days to weeks)

Phase 2) Reactions increase, showing that the treatment is beginning to work (weeks to months)

Phase 3) Reactions decrease, showing the treatment is nearly complete (days to months)

Phase 4) Maintenance mode. Reactions cease, indicating that the treatment was successful (permanent use of reduced quantity is recommended)

Some skin conditions can be treated in days. Some subjects with internal conditions have treated for as long as four weeks before a noticeable reaction (which shows that the treatment is working) has developed. Some subjects with advanced diseases have used the treatment three times per day until reactions subside. Thereafter use twice each week may help to discover and/or prevent a reoccurrence of the condition.

Possible Expected Reactions

Users of the CC Treatment with cancer, infections, or other abnormal cells should expect reactions. These are signs that the treatment is working.

- ⑩ Redness, stinging, itching, crusting, and/or scabbing of the skin
- ⑩ Small black and/or red “pinpoint” spots (some with white halos around them),
- ⑩ Skin nodules of various sizes colors,

- ⑩ Bowel and/or urine incontinence and/or white cloudy material in urine and/or stools
- ⑩ Itchy foot bottoms
- ⑩ Unusual body and/or stool/urine odors
- ⑩ Metallic taste in the mouth
- ⑩ Flu-like symptoms
- ⑩ Mild to severe pain.
- ⑩ Mild to extreme fatigue (depending upon seriousness of condition, age, and strength of the immune system)
- ⑩ Sensitivity to direct sunlight.

All of these conditions should resolve themselves with no residual effect or scarring.

These effects indicate that the treatment is working and that the body is expelling the dead disease cells. Users should not stop treatment because of the effects listed above. Treatment should not be stopped until after these effects stop.

Directions for Application

Shake vigorously before each application. Using a wooden or plastic applicator or a clean hand, liberally and evenly apply approximately a 0.5 mm thick (light) coating of the product over the affected area. As a minimum treatment, apply once and cover with a non-allergenic bandage for three days. For “maximum treatment”, apply three (3) times each day until any reactions subside and two (2) times each week thereafter if desired. Allow the formula to be absorbed into the skin naturally; it is not necessary to “rub” it into the skin; it should be completely absorbed within twenty (20) minutes. Do not rinse or wash the treated area or shower for at least two (2) hours. Do not use a metal applicator or allow metal to contact the material. Store this product out of direct sunlight at 40F-90F.

Warnings and Indications

Keep out of eyes and sensitive membranes; this formula may contain a lower Ph than normal topical preparations and if you have sensitive skin, do a patch test on your arm for 2 to 4 hours. Do not use this formula if you are pregnant or on children under 12 years of age. Avoid contact with eyes and mucous membranes. If you do get the product in your eyes, rinse thoroughly with water. Do not swallow or use internally.

Ingredients

Water, Cetearyl Alcohol, Dicyetyl Phosphate, Shea Butter, Dimethyl Isosorbide, Caprylic/Capric Triglyceride, Ammonium Sulfate, Ceteth-10 Phosphate, Zinc Sulfate, Cetyl Alcohol, Sodium Hyaluronate, Farnesol, Copper Sulfate, Phenyl Dimethicone, Citric Acid, Sodium Hydroxide, Silver Citrate. All ingredients are classified as Generally Regarded as Safe (“GRAS”).

Area of Application

The area of application can be different for each disease that is being treated. A general application to the location or region of the infection, non-normal cells, or cancer is applied as described in the directions. Additionally, lymph node areas that serve the diseased area should also receive

applications of the CC Formula. This will help treat the surrounding area and help the immune system remove infection and non-normal cells that may have possibly migrated to the lymph system.

Complementary Treatments

Mitigation includes the prevention of diseases, and includes the use of the above methods of administering doses of the bioavailable minerals with other supplements such as vitamins and botanicals to provide a healthy body. It is important to understand that the bioavailable minerals can act independently, but for the best results in the most difficult cases include the use of vitamins and botanicals for support in the mitigation effort. For example, high doses of vitamin C (1000 up to 10,000 mg) are recommended along with other vitamins to provide an integrated internal defense against further spread. Botanicals such as Graviola are also recommended.

During treatment with the CC Formula, it is important to also build the immune system. Treatments with radiation and chemotherapy may adversely impact the immune system, the only real defense that the body has against cancer. The treatments do kill cancer, but the fine line between the elimination of the cancer and destruction of the immune system becomes critical, especially for individuals whose immune systems have been challenged to a large extent before. The highly bioavailable minerals of this formula maintain and boost the immune system. However, other immune reinforcements should also be used in conjunction with it.

Minerals are also important in normal physiology, including digestion, brain function, and physical exertion, and performance of the minerals is dependent on the synergistic relationship with vitamins and botanicals. Vitamins act in a synergistic fashion and are not necessary but are used in a support mode. An integrated system of bioavailable minerals, vitamins, botanicals, and amino acids contribute to the total health of an individual along with water exercise, rest, etc.

Elemental zinc accumulates in different portions of the body and is used on as needed basis by different bodily regions for general health and maintenance of the body. Additionally, zinc cations are utilized by the cells of the body to combat specific diseases.

Urea or carbamide is an organic compound with the chemical formula $\text{CO}(\text{NH}_2)_2$, Urea serves an important role in the metabolism of nitrogen-containing compounds by humans and animals. For example, urea breaks down the hydrophobic bonds of cancer cells when injected into and/or around cancers. The watery structure surrounding the cancer breaks and the cancer cells are unable to feed, and the cells become unprotected and exposed to attack by the body's immune system. The immune system then attacks the cancer cells. Urea also forms mineral complex bonds much like the ammonia that aid in increasing the bioavailability of the minerals. The addition of the urea in the CC Formula provides for a two-prong attack, and is also a factor in transporting the cations as mineral complex bonds throughout the system.

Appendix 2 - Information for Test Subjects

This information is intended for patients who volunteer to participate in physician-supervised case studies.

Part A – Patient Instructions

Directions for Use

Using a wooden or plastic applicator or a clean hand, liberally and evenly apply approximately a 0.5 mm thick (light) coating of the product over the affected area. As a minimum treatment, apply once and cover with a non-allergenic bandage for three days. For maximum treatment, apply three (3) times each day until any reactions subside and two (2) times each week thereafter if desired. Allow the formula to be absorbed into the skin naturally; it is not necessary to rub it into the skin; it should be completely absorbed within twenty (20) minutes. Do not rinse or wash the treated area or shower for at least two (2) hours. Do not use a metal applicator or allow metal to contact the material. Do not let the product contact any jewelry. Store this product out of direct sunlight at 60oF-80oF.

Warnings and Indications

This formula is not approved by the FDA or any other government entity. Keep out of eyes and sensitive membranes. For external use only; do not swallow or use internally. If you have sensitive skin, do a patch test on your arm for 2 to 4 hours. Do not use this formula if you are pregnant or on children under 12 years of age. If you are taking prescription drugs, read the information which accompanied those drugs to ensure that there are no contraindications of the ingredients, listed below, to those drugs; if in doubt, ask your doctor/caregiver. For External Use Only.

Possible Expected Reactions

Users of the CC Treatment with cancer, infections, or other abnormal cells should expect reactions. These are encouraging signs that the treatment is working. Please read this entire section before you begin treatment, so you know what to expect.

- ⑩ Redness, stinging, itching, crusting, and/or scabbing of the skin
- ⑩ Small black and/or red “pinpoint” spots (some with white halos around them),
- ⑩ Skin nodules of various sizes colors,
- ⑩ Bowel and/or urine incontinence and/or white cloudy material in urine and/or stools
- ⑩ Itchy foot bottoms
- ⑩ Unusual body and/or stool/urine odors
- ⑩ Metallic taste in the mouth
- ⑩ Flu-like symptoms
- ⑩ Mild to severe pain.
- ⑩ Mild to extreme fatigue (depending upon seriousness of condition, age, and strength of the immune system)
- ⑩ Sensitivity to direct sunlight.

All of these conditions should resolve themselves with no residual effect or scarring.

These effects indicate that the treatment is working and that the body is expelling the dead disease cells. Users should not stop treatment because of the effects listed above. Treatment should not be stopped until after these effects stop.

Part B - Frequently Asked Questions

Does the product provide a permanent cure for any medical condition?

The manufacturer does not believe, nor does it claim that this product is a permanent cure to any medical condition or disease. The treatment is not considered a permanent “cure” for any disease as it is possible that the removal of existing cellular tumors or other non-productive cells does not preclude the possibility of a future return of new mutated cells or tumors. Therefore, it is possible and even probable that re-treatments may be indicated.

Non-clinical trials have indicated that the product impacts several types of viral, bacterial and/or non-typical cell related conditions. However, these diseases may return, and the manufacturer recommends a continuing “maintenance program” of treatment by applying the formula twice per week to various parts of the body.

What is the dosage and length of treatment?

The length of treatment depends widely on the location and severity of the condition and the strength of the immune system. Phases of the treatment can be considered as follows:

Phase 1) Initial treatment without any reactions (days to weeks)

Phase 2) Reactions increase, showing that the treatment is beginning to work (weeks to months)

Phase 3) Reactions decrease, showing the treatment is nearly complete (days to months)

Phase 4) Maintenance mode. Reactions cease, indicating that the treatment was successful (permanent use of reduced quantity is recommended)

Some skin conditions can be treated in days. Some subjects with internal conditions have treated for as long as four weeks before a noticeable reaction (which shows that the treatment is working) has developed. Some subjects with advanced diseases have used the CC Treatment three times per day until reactions subside. Thereafter use twice each week may help to discover and/or prevent a reoccurrence of the condition.

What kinds of reactions might I expect?

Reactions are expected and indicate that the treatment is working. See part A above for a list of possible expected reactions. These reactions indicate that your body is expelling the dead disease cells.

Treatment should not be stopped until after these effects stop.

If you are taking prescription drugs, read the information which accompanied those drugs to ensure that there are no contraindications of the ingredients, listed below, to those drugs; if in doubt, ask your doctor or pharmacologist.

Are there any “unexpected” side effects?

Because the manufacturer has not yet conducted full clinical trials, it cannot identify side effects which could be attributed solely to the formula, except for the expected reactions described above. The manufacturer had a few reports of stiffness of the joints and/or muscle soreness.

Is there any pain or discomfort involved with the use of this formula?

While many users experience no discomfort, the risk of discomfort or moderate pain due to the use of the formula is possible, depending on the severity of the affliction of mutated cells present in the skin or body. A few subjects have experienced extreme pain, however there is limited experience with all types of diseases and severe pain may only be typical with certain diseases.

Users have observed that the disease cells are typically killed and expelled by the body, either via the skin, urine, or feces. Subjects have experienced ulcerations and moderate to severe pain where tumors have come through the skin to be expelled after tumor cells were killed by the treatment. In most cases, this left no noticeable scars.

Should I discuss the CC Treatment with my doctor?

Yes, you should discuss this with your doctor before beginning the CC Treatment and throughout the treatment period. If you have a reaction which is not on the list above of expected reactions, talk to your doctor. If you experience pain during treatment, your doctor may be able to help you manage the pain.

This information is not intended to replace a one-on-one relationship with a qualified healthcare professional and is not intended as medical advice. In case of questions, contact your physician or the CC Treatment Support Network, www.cancer-cell-treatment.com. If any instructions which you receive from this paper or web site conflict with those from your physician, your physician's instructions should always be followed.

What are the ingredients?

Ingredients: Water, Cetearyl Alcohol, Dicapryl Phosphate, Shea Butter, Dimethyl Isosorbide, Caprylic/Capric Triglyceride, Ceteth-10 Phosphate, Cetyl Alcohol, Sodium Hyaluronate, Zinc Sulfate, Ammonium Sulfate, Farnesol, Phenyl Dimethicone, Copper Sulfate, Citric Acid, Sodium Hydroxide, Silver Citrate. All ingredients are Generally Regarded as Safe ("GRAS").

Can I overdose or over use the formula?

No clinical trials have been performed yet with this treatment. The manufacturer has conducted several years of non-clinical trials with the formula. No subjects reported any adverse effects from liberal and/or long-term use of the formula.

How do I apply and use the formula?

Do not touch or expose the material to metal, as this will reduce its effectiveness. So do not use a metal spoon and do not let the cream contact jewelry. Using a wooden or plastic applicator or a clean finger or hand, liberally and evenly apply approximately a 0.5-mm thick (light) coating of the formula over the affected area. As a minimum treatment, apply once and cover with a non-allergenic bandage for three days. For maximum treatment, apply three (3) times each day until any reactions subside and two (2) times each week thereafter. Allow the formula to be absorbed into the skin naturally; it is not necessary to rub it into the skin. It should be completely absorbed within twenty (20) minutes. Do not rinse or wash the treated area or shower for at least two (2) hours.

The cream should be applied topically (on the skin) as close to the area of concern as possible; in cases of internal diseases, it is recommended that a larger (uncovered) area in the region be treated.

In the case of skin lesions, it is suggested that you place the ingredients directly on the lesion and cover it with a non-allergenic bandage.

Are there any restrictions regarding who may use this formula?

Do not use this formula if you are allergic to copper, zinc, or any of the ingredients. Do not use this formula if you are pregnant or on children under 12 years of age. This treatment or procedure may involve unknown risks to the subject (or to the embryo or fetus if the subject is or may become pregnant) which are currently unforeseeable.

How does the formula get to internal parts of my body?

The ionic minerals are highly bioavailable and can penetrate the skin. Users have reported that the formula is systemic (affecting the region where applied and potentially the entire body). Systemic therapies employ carrier agents which travel through the body's fluids and can affect cells throughout the body.

Is the product approved as a medicine by any government agencies?

The CC Formula is still in the experimental or pre-clinical stage. The manufacturer has not applied for approval as a drug in any country. Thus those distributing the product are prohibited from claiming that it treats or cures any disease and no such claims may be made on the label.

The risk of sickness or serious illness due to the use of this formula is considered minimal by the manufacturer, because all ingredients are considered Generally Regarded as Safe ("GRAS") under United States 40 CFR 180.1001 entitled the "Exemption from the Requirements of a Tolerance." The key mineral components in the formulation are considered nutritional elements for plants and animals. There have been no adverse effects reported by any of the over 100 of users during over eight years of non-clinical trials. You can see testimonials of many of these volunteers at www.cancer-cell-treatment.com

The concentrations of each ingredient in the skin cream are below the maximum permissible levels established by the European Union for cosmetics. Thus is it considered safe for application to the skin. The product has successfully passed formal skin irritation and microbial testing.

Some of the ingredients are concentrated minerals that are readily expelled from the body when assimilated in excess of the normal daily nutritional requirements. More research is required to develop a complete understanding of all of the possible benefits and consequences of the use of this formula.

What is the difference between your formula and other mineral compounds that are on the market?

This formula contains a patent-pending technology which makes its key ingredients much more bioavailable than others. The manufacturer believes that this will deliver minerals directly into non-typical cells which adversely impact the health of humans, other animals, and plants. These minerals are pharmaceutical-grade, balanced, ionic minerals which have been combined with a unique delivery technology "Mineral Complex System".

Should I refrigerate the container?

Store this product out of direct sunlight at 60O Fahrenheit - 80 O Fahrenheit or 15.5 O Celsius - 26.7 O Celsius. Do not refrigerate or freeze.

Will the formula stain or discolor clothing?

Possibly; there have been instances where users reported discolored clothing and/or cloth.

How long do I wait, after applying the formula, before I can shower or bathe?

For maximum absorption, do not shower or bathe for at least two hours after applying the treatment.

Should I take nutritional supplements while using this product?

Users are encouraged to follow a diet with no refined sugar and to take probiotics on a daily basis. However all supplements should be approved by your doctor.

Part C - Boosting the Immune System

When undergoing the CC Treatment, it is recommended to boost the immune system using a combination of botanicals, vitamins and minerals directed by your doctor or care provider for these reasons:

- 1) A strong immune system will complement the formula, so doctors should do whatever they can do to strengthen the immune system, such as via nutrition.
- 2) The formula can harm beneficial bacteria in the digestive system, so patients on the formula should take probiotic supplements.

Vitamin and Mineral Supplements

The use of Bioavailable Minerals or BAMs will greatly improve general health, but not all minerals can be processed into a BAM. Therefore, mineral supplements will be necessary in traditional forms to meet minimum daily requirements when boosting the strength of the immune system. It is true that the daily allowances for both vitamins and minerals can be obtained through a healthy diet, but when an individual's immune system is compromised, and they are facing some major disease, supplementing the food intake is vital to the mitigation of the disease.

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Missing Links Table

Table 1. List of the most appropriate treatments for achieving cancer survivor goals

Goal	Main appropriate treatments
Survive acute problems	Surgery
Improve surgery efficacy	Pre-surgery treatment ³
Extend life up to a few extra years	Chemo, RT, Immunotherapy
Extend life for 5-10 years	“ Easy” Missing Links treatments

³ Examples include taking Cimetidine to minimize the risk of cancer cells in the blood attaching to artery walls and forming metastases. Using the time waiting for surgery to boost immune status.

Long term survival –

early stage cancer

late stage cancer

No significant side effects

surgery

Surgery, Missing Links

Aggressive Missing Links treatments

Missing Link treatments, and usually